

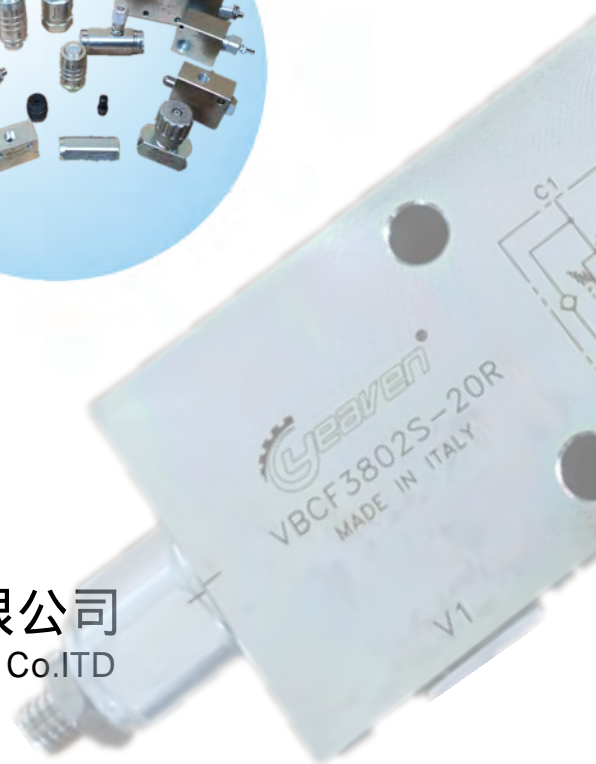


YEA VEN 雅文 意大利

液 压 阀
 手 动 阀
 单 向 阀
 液 控 单 向 阀
 平 衡 阀
 电 磁 阀
 溢 流 阀
 管 路 防 爆 阀
 节 流 阀
 流 量 控 制 阀
 行 程 阀
 分 流 集 流 阀
 手 动 泵
 手 动 换 向 阀
 球 阀
 不 锈 钢 阀
 不 锈 钢 手 动 泵



 **HUGO** 上海华歌实业有限公司
 SHANGHAI HUGO IND Co.LTD





上海华歌实业有限公司主营欧美液压与润滑产品，公司创办于2000年，经过10余年的发展，现已成为国内主要的液压与润滑进口产品专业服务商之一，在业内汇聚了良好的口碑。

本公司拥有欧洲多家著名公司中国区总代理权，多年来与国外供应商保持着良好的合作关系。所经营产品种类广泛，主要包括：液压、润滑、机床高压冷却、液控阀门、气动马达、开关/传感器、传动产品、水泵等。以上产品广泛应用在工程机械、普通机械、机床、船舶港口、矿山、冶金、煤矿、建筑、石化、能源等领域，所有产品均符合欧盟CE认证或ISO标准。

公司以丰富的行业经验和专业的技术储备为依托，秉承“质量精优、服务专业、经营诚信”的经营理念，竭力打造成为国内一流的进口流体产品技术服务商与贸易商。

About HUGO

Shanghai Hugo IND Co. LTD mainly manages European and American hydraulic and lubrication products, established in 2000. After more than 10 years development, now Hugo has become a professional service provider of imported hydraulic and lubrication products in China. Hugo gathered a good reputation in this field.

Hugo has got the authority reseller right in China from a number of well-known European companies. In the past years Hugo maintained good relations with foreign suppliers. Our product category is widespread, mainly include: Hydraulic, Lubrication, High pressure cooling system for machine tool, Hydraulic control valves, Pneumatic motor, Switch/Sensor, Transmission products, Water hydraulic pumps, etc. The above products are widely used in engineering machinery, general machinery, machine tools, shipping and port, mining, metallurgy, construction, petrochemical, energy and other fields. All products meet the European Union CE or ISO standards.

Hugo with rich experience and professional technology as the backing, we admire the business philosophy of "High quality, Professional service, Business integrity". Hugo devotes to be a domestic first-class technical service providers and traders for import fluid products.



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VALVOLE A INSERTO

INSERT VALVES 插入式阀

Valvole a inserto per il controllo della portata, di sicurezza anti rottura tubo e di regolazione della velocità di discesa degli attuatori.

Flow control valves, Hose burst valves, Descent Speed control valves pressure compensated.

流量控制阀、管路防爆阀、带压力补偿控制阀





选型

ORDERING CODE

01

02

VUI

01	单向阀 (球面密封) (CHECK VALVES - BALL TYPE)		VUI
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340

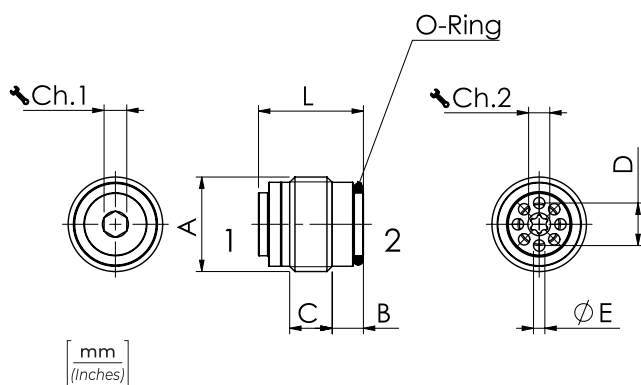
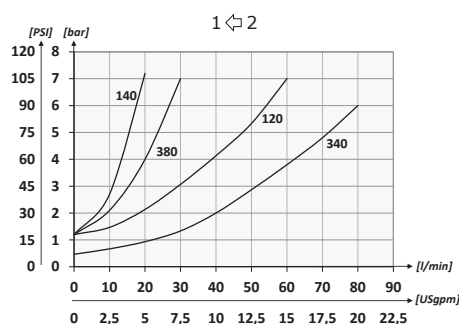
液压符号 HYDRAULIC CIRCUIT



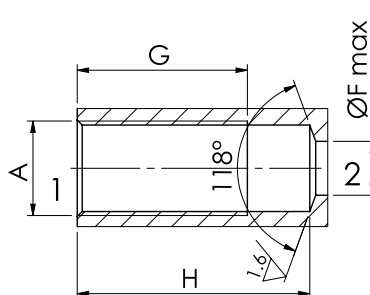
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	Oil temperature	-20°C +80°C -4°F +176°F
环境温度	Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量		0,25 cm ³ /min - 5 gocce/min
Max leakage		0,015 in ³ /min - 5 drops/min
开启压力	- Cracking pressure	0,5 bar - 7.25 PSI

性能曲线 PERFORMANCES



插孔图 (CAVITY)



根据需要可以从该阀
的两个方向之一安装

IT'S POSSIBLE
TO INSTALL THE VALVE
IN BOTH DIRECTIONS

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	CH.1	CH.2	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	O-RING	重量 APPROX WEIGHT kg-lbt
VUI140	BSPP 1/4	20 (5.3)	350 (5075)	5,5 (0.22)	6 (0.24)	6 (0.24)	1,3 (0.05)	7 (0.28)	28 (1.10)	31 (1.22)	17 (0.67)	3	Torx T15	4 (35)	9 x 1	0,01 (0.022)
VUI380	BSPP 3/8	30 (7.9)			7,5 (0.30)	7,5 (0.30)	2 (0.08)	9 (0.35)	31 (1.22)	34 (1.34)	18,5 (0.73)	4	Torx T15	6 (53)	10,82 x 1,78	0,018 (0.040)
VUI120	BSPP 1/2	50 (13.2)			7 (0.28)	8,5 (0.34)	10 (0.39)	2,5 (0.10)	12 (0.47)	35 (1.38)	38 (1.50)	6	5	10 (88)	14 x 1,78	0,033 (0.073)
VUI340	BSPP 3/4	80 (21.1)			8 (0.31)	12,5 (0.49)	14 (0.55)	3 (0.12)	16 (0.63)	41 (1.61)	45 (1.77)	8	8	20 (177)	18,72 x 2,62	0,07 (0.16)



选型

ORDERING CODE

01

02

VUC

01	单向阀 (锥型密封) (CHECK VALVES - POPPET TYPE)		VUC
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380

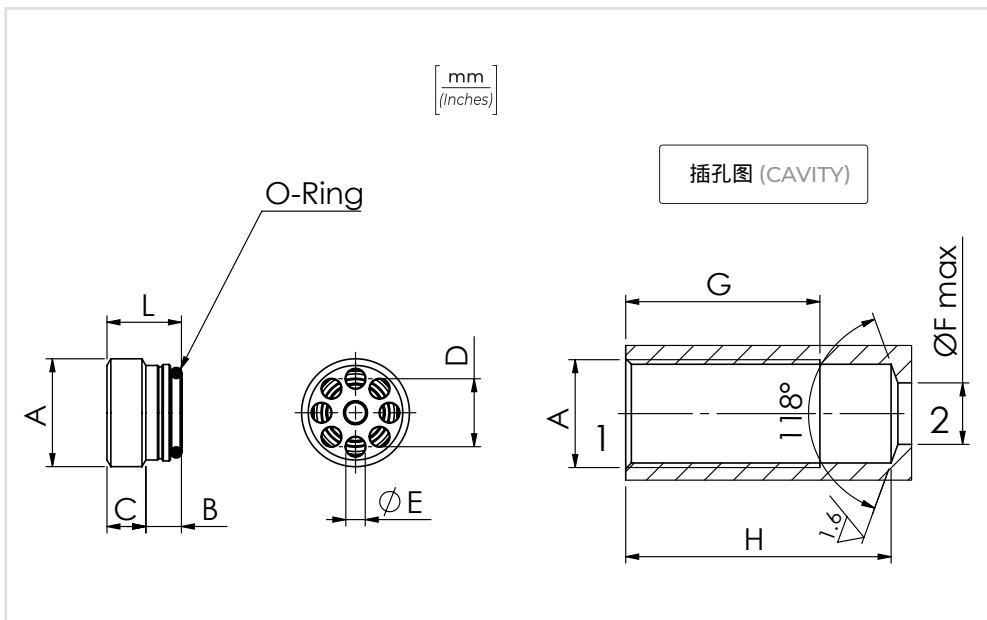
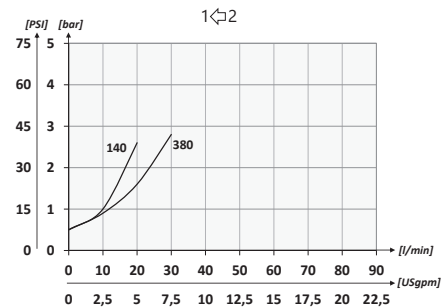
液压符号 HYDRAULIC CIRCUIT



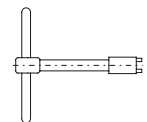
技术参数 TECHNICAL DATA

矿物油 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
最大泄露量 Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min
开启压力 - Cracking pressure	0,5 bar - 7.25 PSI

性能曲线 PERFORMANCES



TOOL



(DIMENSIONS)

TOOL'S TYPE	TYPE	kg) WEIGHT (lb)
61700003	VUC120	0,15 (0.33)
61700031	VUC340	0,18 (0.40)

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	O-Ring	重量 APPROX WEIGHT kg-lbt
VUC140	BSPP 1/4	20 (5.3)	350 (5075)	4 (0.16)	5 (0.20)	7 (0.28)	2,2 (0.94)	7 (0.28)	22 (0.87)	24 (0.94)	9 (0.35)	6 (53)	9 x 1	0,01 (0.022)
VUC380	BSPP 3/8	30 (7.9)		5,5 (0.22)	6 (0.24)	10,5 (0.41)	3 (0.12)	9 (0.35)	27 (1.06)	29 (1.14)	11,5 (0.45)	6 (53)	10,82 x 1,78	



选型

ORDERING CODE

01

VUP

02

01	单向阀 (平面密封) (CHECK VALVES - DISK TYPE)		VUP
02	规格 (SIZE)	BSPP 1/2	120
		BSPP 3/4	340

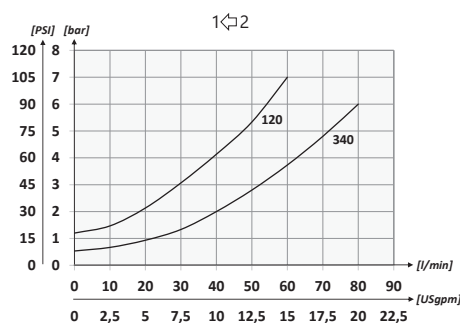
液压符号 HYDRAULIC CIRCUIT



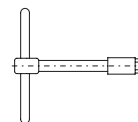
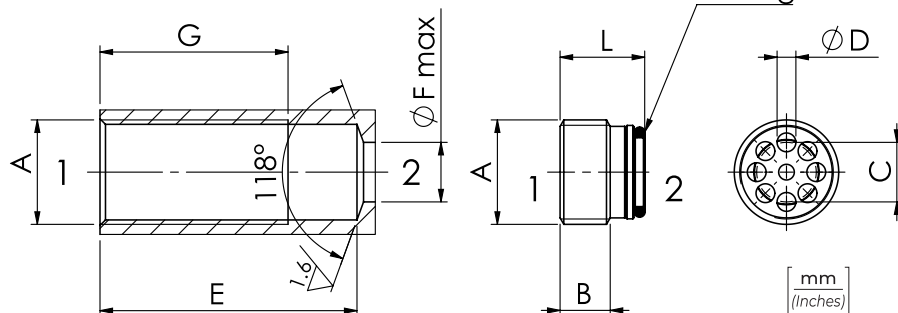
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min
开启压力	- Cracking pressure	0,5 bar - 7.25 PSI

性能曲线 PERFORMANCES



插孔图 (CAVITY)



工具
TOOL

规格
(DIMENSIONS)

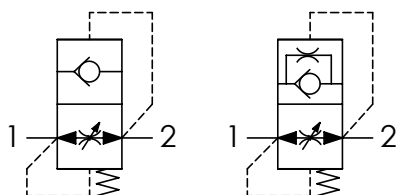
工具代号 TOOL'S TYPE	配套型号 TYPE	重量 kg) WEIGHT (lb)
61700003	VUP120	0,15 (0.33)
61700030	VUP340	0,18 (0.40)

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	L	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	O-Ring	重量 APPROX WEIGHT kg-lbt
VUP120	BSPP 1/2	60 (15.9)	350 (5075)	10 (0.39)	12 (0.47)	4 (0.16)	32 (1.26)	12 (0.47)	29 (1.14)	16,1 (0.63)	10 (88)	14 x 1,78	0,02 (0.044)
VUP340	BSPP 3/4	80 (21.1)		10,5 (0.41)	16 (0.63)	4,75 (0.19)	37 (1.46)	16 (0.63)	33 (1.30)	20,2 (0.80)	20 (177)	18,72 x 2,62	0,043 (1.12)

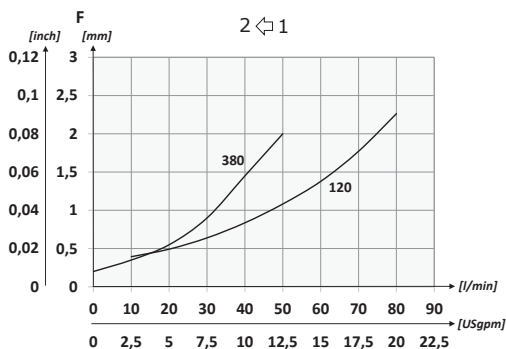


液压符号 HYDRAULIC CIRCUIT



带节流孔
(WITH ORIFICE)

参数F设置曲线 SETTING "F"



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量		0,25 cm ³ /min - 5 gocce/min
Max leakage		0,015 in ³ /min - 5 drops/min

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	Ch.	紧固扭矩(Nm) MAX FITTING TIGHTENING TORQUE (lbt in)	胶管接头端紧固扭矩(m) MAX TIGHTENING TORQUE FOR HOSE (lbt in)	重量 APPROX WEIGHT kg-lbt
VUBA380T10	BSPP 3/8	50 (13.2)	315 (4568)	M16 x 1,5	11 (0.43)	10 (0.39)	22	70 (50)	20 (15)	0,044 (0.097)
VUBA380T12				M18 x 1,5		12 (0.47)	22		40 (30)	
VUBA380T15				M22 x 1,5	13 (0.51)	15 (0.59)	24	85 (65)	70 (50)	0,060 (0.13)
VUBA120T15	BSPP 1/2	80 (21.1)					27			0,077 (0.17)

选型

ORDERING CODE

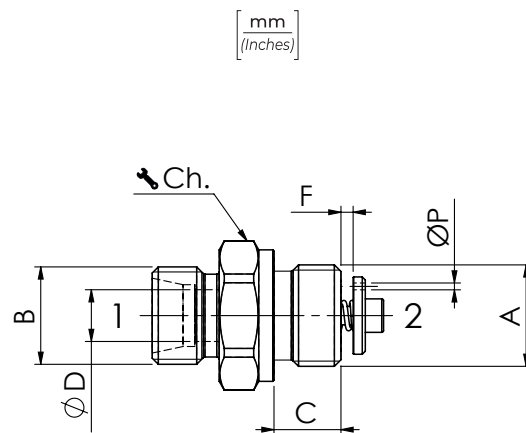
01	02	03	04	05
VUBA				

01	防爆阀 (DIN HOSE BURST VALVES)			VUBA
02	规格 (SIZE)	BSPP 3/8		380
		BSPP 1/2		120
03	规格 (SIZE)	Tubo Ø 10 (For Ø 10 pipe)		T10
		Tubo Ø 12 (For Ø 12 pipe)		T12
		Tubo Ø 15 (For Ø 15 pipe, only for VUBA120)		T15
04	设置 (SETTING)	例如设置0.7mm (Example: setting 0.7 mm) F 0,7		F__
		不需要则省略 (Omit if not required)		
05	平面节流孔 (ORIFICE ON FLAT POPPET)	例如孔1.5mm (Example: hole 1,5 mm) P 1,5		P__
		不需要则省略 (Omit if not required)		

如详细订货号缺货, 则该阀出厂时不会做其它设置, 螺母未拧紧。

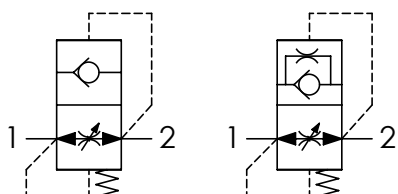
为正确使用该阀, 需要使用者对该阀做好标定。

If omitted this value, the valves are supplied without factory setting and nuts are not tightened. For the correct operating it is needed a calibration of the valve made by final installer.





液压符号 HYDRAULIC CIRCUIT



带节流孔
(WITH ORIFICE)

选型

ORDERING CODE

01	02	03	04
VUBA			

01	(HOSE BURST VALVES)		VUBA
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	设置 (SETTING)	例如设置0.7mm (Example: setting 0.7 mm) F 0,7	F__
		不需要则省略 (Omit if not required)	
04	平面节流孔 (ORIFICE ON FLAT POPPET)	例如孔1.5mm (Example: hole 1,5 mm) P 1,5	P__
		不需要则省略 (Omit if not required)	

如详细订货号缺省, 则该阀出厂时不会做其它设置, 螺母未拧紧。

为正确使用该阀, 需要使用者对该阀做好标定。

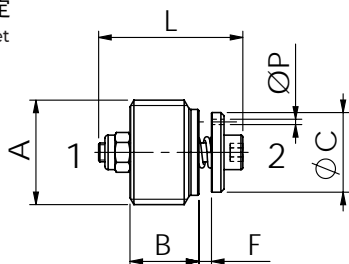
If omitted this value, the valves are supplied without factory setting and nuts are not tightened. For the correct operating it is needed a calibration of the valve made by final installer.

F参数根据需求设定

F setting on request

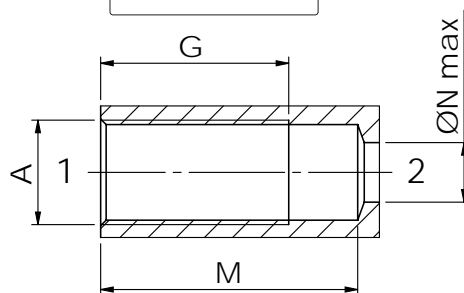
节流孔根据需求设定

Orifice on flat poppet
on request



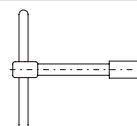
[mm]
[Inches]

插孔图 (CAVITY)



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量		0,25 cm ³ /min - 5 gocce/min
Max leakage		0,015 in ³ /min - 5 drops/min



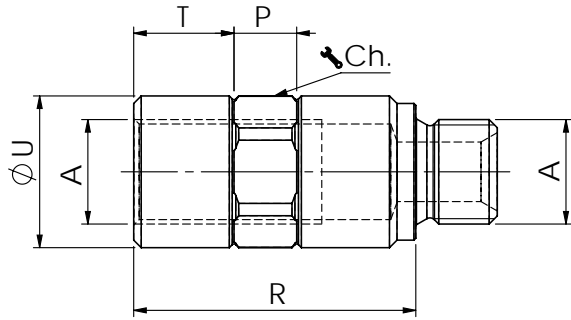
工具 TOOL

规格 Dimensions

工具型号 Tool's Type	配套型号 Type	重量 Weight kg-lbt
61700001	VUBA140	0,12 (0.27)
61700002	VUBA380	0,13 (0.29)
61700003	VUBA120	0,15 (0.33)
61700004	VUBA340	0,18 (0.40)

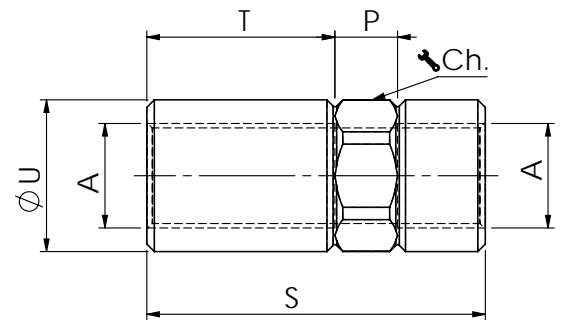
技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	G	H	L	M	N	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 APPROX WEIGHT kg-lbt
VUBA140	BSPP 1/4	25 (6.6)	350 (5075)	8,2 (0.32)	10,4 (0.41)	8 (0.31)	25 (0.98)	2,5 (0.10)	19 (0.75)	35 (1.38)	7 (0.28)	2 (1.5)	0,008 (0.017)
VUBA380	BSPP 3/8	50 (13.2)		11 (0.43)	12,7 (0.50)	10 (0.39)	30 (1.18)	3,25 (0.13)	23 (0.90)	41 (1.61)	9,5 (0.37)	3 (2.5)	0,014 (0.030)
VUBA120	BSPP 1/2	80 (21.1)		13 (0.51)	15 (0.59)	11,5 (0.45)	33 (1.30)	4 (0.16)	29 (1.14)	46 (1.81)	12 (0.47)	4 (3)	0,025 (0.055)
VUBA340	BSPP 3/4	150 (39.6)		18 (0.71)	18 (0.71)	14,5 (0.57)	42 (1.65)	5,2 (0.20)	34 (1.34)	55 (2.17)	16 (0.63)	10 (7.5)	0,054 (0.12)
VUBA100	BSPP 1	180 (47.5)		20 (0.79)	26 (1.02)	19 (0.75)	48 (1.89)	7 (0.28)	40 (1.57)	63 (2.48)	22 (0.87)	12 (9)	0,1 (0.22)



接口 HOUSINGS M/F

型号 TYPE	A	R	P	T	U	Ch.	重量 APPROX WEIGHT kg-lbt
61100087	BSPP 1/4	39 (1.53)	10 (0.39)	13 (0.51)	20.5 (0.80)	19	0.07 (0.16)
61100088	BSPP 3/8	45 (1.77)	10 (0.39)	16 (0.63)	24.5 (0.96)	22	0.10 (0.22)
61100089	BSPP 1/2	52 (2.05)	10 (0.39)	19 (0.75)	29.5 (1.16)	27	0.17 (0.37)
61100090	BSPP 3/4	61 (2.40)	12 (0.47)	23 (0.90)	35.5 (1.32)	32	0.26 (0.57)
61100091	BSPP 1	67 (2.63)	15 (0.59)	25.5 (1)	44.5 (1.75)	41	0.4 (0.88)

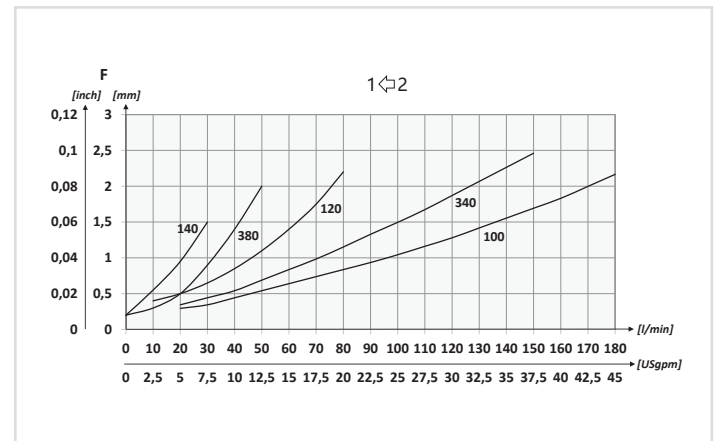


接口 HOUSINGS F/F

型号 TYPE	A	S	P	T	U	Ch.	重量 APPROX WEIGHT kg-lbt
61100092	BSPP 1/4	48 (1.89)	10 (0.39)	13 (0.51)	20.5 (0.80)	19	0.09 (0.20)
61100093	BSPP 3/8	54 (2.13)	10 (0.39)	30 (1.18)	24.2 (0.95)	22	0.11 (0.24)
61100094	BSPP 1/2	73 (2.87)	10 (0.39)	46.5 (1.83)	29.2 (1.14)	27	0.20 (0.44)
61100095	BSPP 3/4	74 (2.91)	12 (0.47)	44 (1.73)	35.5 (1.32)	32	0.27 (0.59)

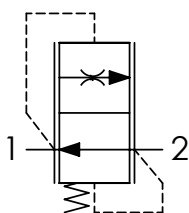
设置 SETTING mm	流量 (l/min) - Flow rate (USgpm) 误差 Tolerance ± 10%				
	VUBA140	VUBA380	VUBA120	VUBA340	VUBA100
0	0	0	0	0	0
0,1	3,0 (0,8)	3,0 (0,8)	4,0 (1,1)	9,0 (2,4)	3,5 (0,9)
0,2	6,0 (1,6)	6,0 (1,6)	8,0 (2,1)	18,0 (4,8)	7,0 (1,8)
0,3	9,3 (2,5)	10,0 (2,6)	12,7 (3,3)	25,3 (6,7)	12,0 (3,2)
0,4	12,7 (3,3)	14,0 (3,7)	17,3 (4,6)	32,7 (8,6)	17,0 (4,5)
0,5	16,0 (4,2)	18,0 (4,8)	22,0 (5,8)	40,0 (10,6)	22,0 (5,8)
0,6	17,0 (4,5)	20,5 (5,4)	26,5 (7,0)	48,5 (12,8)	27,5 (7,3)
0,7	18,0 (4,8)	23,0 (6,1)	31,0 (8,2)	57,0 (15,0)	33,0 (8,7)
0,8	19,2 (5,1)	25,0 (6,6)	34,0 (9,0)	61,7 (16,3)	39,0 (10,3)
0,9	20,3 (5,4)	27,0 (7,1)	37,0 (9,8)	66,3 (17,5)	45,0 (11,9)
1	21,5 (5,7)	29,0 (7,7)	40,0 (10,6)	71,0 (18,7)	51,0 (13,5)
1,1	22,3 (5,9)	30,0 (7,9)	42,5 (11,2)	77,0 (20,3)	53,5 (14,1)
1,2	23,0 (6,1)	31,0 (8,2)	45,0 (11,9)	83,0 (21,9)	56,0 (14,8)
1,3	23,7 (6,2)	32,3 (8,5)	47,7 (12,6)	88,7 (23,4)	60,7 (16,0)
1,4	24,3 (6,4)	33,7 (8,9)	50,3 (13,3)	94,3 (24,9)	65,3 (17,2)
1,5	25,0 (6,6)	35,0 (9,2)	53,0 (14,0)	100,0 (26,4)	70,0 (18,5)
1,6	25,4 (6,7)	36,4 (9,6)	55,8 (14,7)	106,0 (28,0)	72,4 (19,1)
1,7	26,0 (6,9)	37,0 (9,8)	58,6 (15,5)	111,0 (29,3)	74,8 (19,7)
1,8	26,3 (7,0)	38,7 (10,2)	61,4 (16,2)	116,0 (30,6)	77,2 (20,4)
1,9	26,7 (7,0)	40,3 (10,6)	64,2 (16,9)	120,0 (31,7)	79,6 (21,0)
2	27,0 (7,1)	42,0 (11,1)	67,0 (17,7)	124,0 (32,7)	82,0 (21,6)

F设置曲线 SETTING "F"





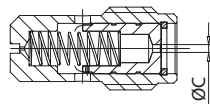
液压符号 HYDRAULIC CIRCUIT



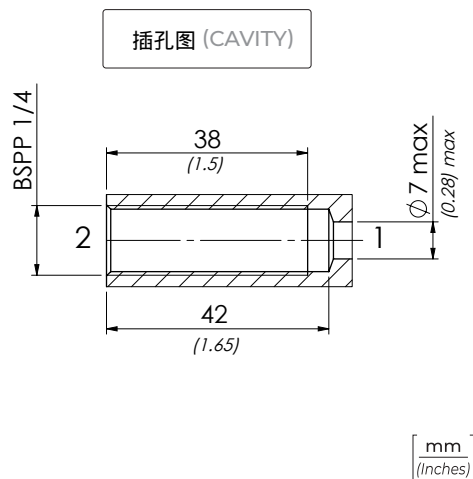
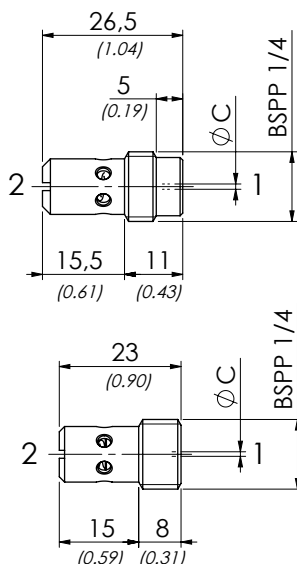
型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 APPROX WEIGHT kg-lbt
VCC140	15 (3.96)	250 (3625)	4 (3)	0,014 (0.031)

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		



型号(TYPE)	Ø C
VCC1401	1 (0.04)
VCC1402	1,2 (0.05)
VCC1403	1,5 (0.06)
VCC1404	1,7 (0.07)
VCC1405	1,9 (0.07)
VCC1406	2,1 (0.08)
VCC1407	2,3 (0.09)
VCC1408	2,4 (0.09)
VCC1409	2,7 (0.11)
VCC14010	2,8 (0.11)
VCC14011	3,1 (0.12)
VCC14012	3,3 (0.13)
VCC14015	5 (0.20)

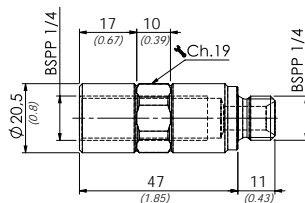


选型 ORDERING CODE

01	02	03
VCC140		

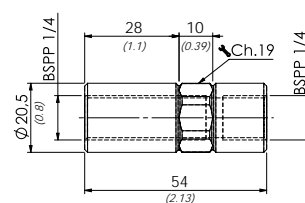
01	定量补偿流量阀 (FIXED FLOW CONTROL VALVES - PRESSURE COMPENSATED)	VCC140
02	100bar±10% 下控制流量值 (CONTROLLED FLOW AT 100 BAR ± 10 %)	1 l/min (0.26 USgpm) 1
		2 l/min (0.53 USgpm) 2
		3 l/min (0.79 USgpm) 3
		4 l/min (1.06 USgpm) 4
		5 l/min (1.32 USgpm) 5
		6 l/min (1.58 USgpm) 6
		7 l/min (1.85 USgpm) 7
		8 l/min (2.11 USgpm) 8
		9 l/min (2.38 USgpm) 9
		10 l/min (2.64 USgpm) 10
		11 l/min (2.90 USgpm) 11
		12 l/min (3.17 USgpm) 12
		15 l/min (3.96 USgpm) 15
03	系列 (VERSION)	L = 26,5 (1.02)
		L = 23 (0.90) C

型号 TYPE 61100160



Peso Approx (Approx weight)
0,09 kg (0.20 lb)

型号 TYPE 61100159



Peso Approx (Approx weight)
0,09 kg (0.20 lb)

选型

ORDERING CODE

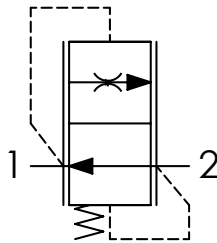
01

02

VCC380



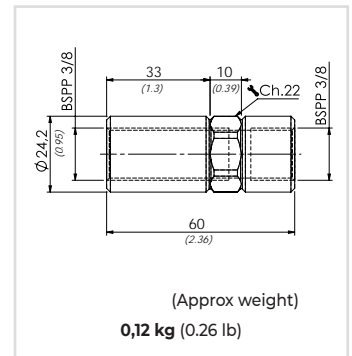
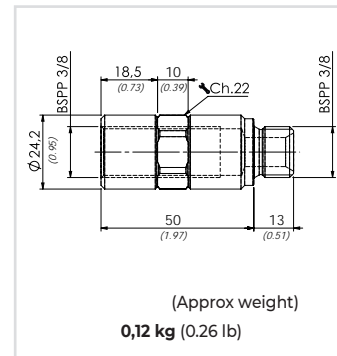
液压符号 HYDRAULIC CIRCUIT



01	定量补偿流量阀 (FIXED FLOW CONTROL VALVES - PRESSURE COMPENSATED)	VCC380
02	100bar±10% 下控制流量值 (CONTROLLED FLOW AT 100 BAR ± 10 %)	1 l/min (0.26 USgpm) 1
		2 l/min (0.53 USgpm) 2
		3 l/min (0.79 USgpm) 3
		4 l/min (1.06 USgpm) 4
		5 l/min (1.32 USgpm) 5
		6 l/min (1.58 USgpm) 6
		7 l/min (1.89 USgpm) 7
		8 l/min (2.11 USgpm) 8
		9 l/min (2.38 USgpm) 9
		10 l/min (2.64 USgpm) 10
		11 l/min (2.90 USgpm) 11
		12 l/min (3.17 USgpm) 12
		16 l/min (4.22 USgpm) 16
		18 l/min (4.75 USgpm) 18

型号 TYPE
61100162

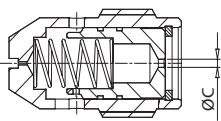
型号 TYPE
61100161



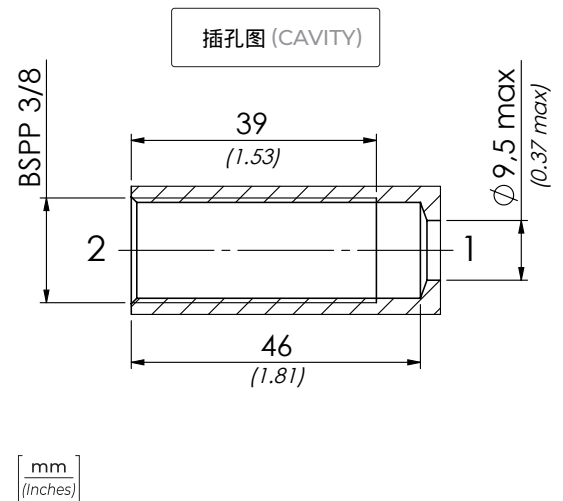
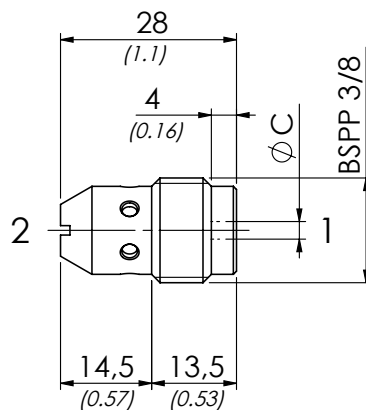
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 APPROX WEIGHT kg-lbt
VCC380	18 (4.8)	250 (3625)	6 (4.5)	0,024 (0.053)

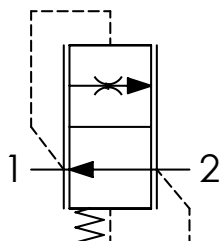


型号 (TYPE)	Ø C
VCC3801	0,6 (0.02)
VCC3802	1,4 (0.06)
VCC3803	1,7 (0.07)
VCC3804	2 (0.08)
VCC3805	2,3 (0.09)
VCC3806	2,6 (0.10)
VCC3807	2,8 (0.11)
VCC3808	3,1 (0.12)
VCC3809	3,3 (0.13)
VCC38010	3,5 (0.14)
VCC38011	3,7 (0.15)
VCC38012	4 (0.16)
VCC38016	5 (0.12)
VCC38018	5,5 (0.22)





液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

选型

ORDERING CODE

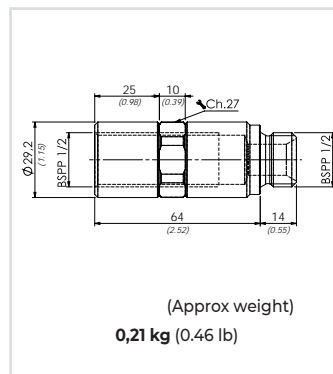
01

VSC120

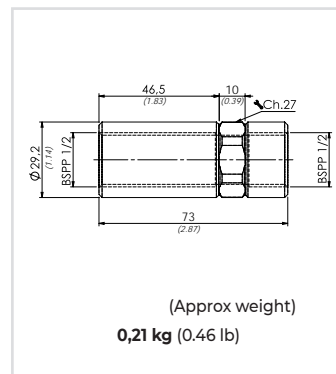
02

01	定量补偿流量阀 (FIXED FLOW CONTROL VALVES - PRESSURE COMPENSATED)		VSC120
02	100bar±10% 下控制流量值 (CONTROLLED FLOW AT 100 BAR ± 10 %)	9 l/min (2.38 USgpm)	9
		12 l/min (3.17 USgpm)	12
		15 l/min (3.96 USgpm)	15
		17 l/min (4.49 USgpm)	17
		21 l/min (5.54 USgpm)	21
		25 l/min (6.60 USgpm)	25
		27 l/min (7.1 USgpm)	27
		32 l/min (8.45 USgpm)	32
		35 l/min (9.24 USgpm)	35
		40 l/min (10.56 USgpm)	40
		47 l/min (12.4 USgpm)	47

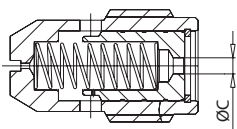
型号 TYPE
61100033



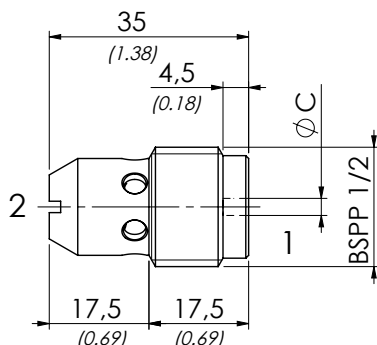
型号 TYPE
61100094



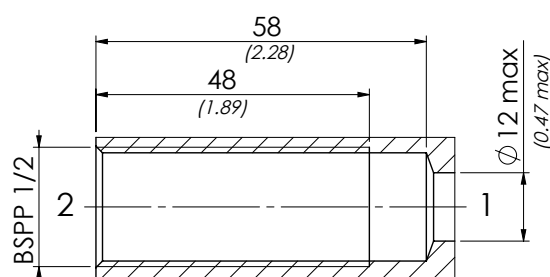
型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 APPROX WEIGHT kg-lbt
VCC120	47 (12.4)	250 (3625)	10 (7.5)	0,050 (0.11)



型号 (TYPE)	Ø C
VSC1209	2 (0.08)
VSC12012	2,5 (0.10)
VSC12015	3 (0.12)
VSC12017	3,2 (0.13)
VSC12021	3,5 (0.14)
VSC12025	4 (0.16)
VSC12027	4,2 (0.17)
VSC12032	4,5 (0.18)
VSC12035	5 (0.20)
VSC12040	5,5 (0.22)
VSC12047	6 (0.24)



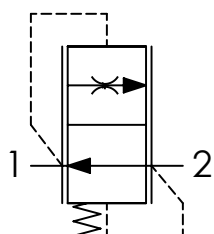
插孔图 (CAVITY)



[mm
(Inches)]

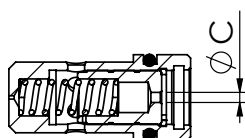


液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



型号 (TYPE)	Ø C
VSCR61	1 (0.04)
VSCR62	1,2 (0.05)
VSCR63	1,5 (0.06)
VSCR64	1,7 (0.07)
VSCR65	1,9 (0.07)
VSCR66	2,1 (0.08)
VSCR67	2,3 (0.09)
VSCR68	2,4 (0.09)
VSCR69	2,7 (0.11)
VSCR610	2,8 (0.11)
VSCR611	3,1 (0.12)
VSCR612	3,3 (0.13)

选型

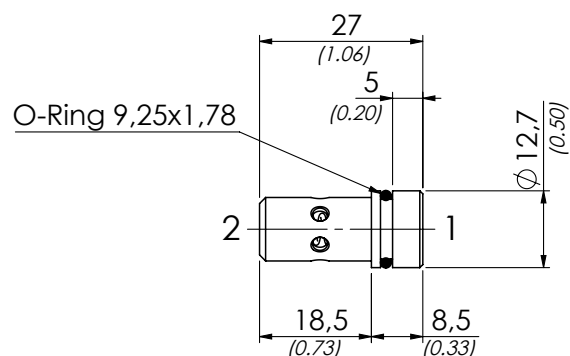
ORDERING CODE

01

02

VSCR6

01	定量补偿流量阀 (FIXED FLOW CONTROL VALVES - PRESSURE COMPENSATED)	VSCR6
02	100bar±10% 下控制流量值 (CONTROLLED FLOW AT 100 BAR ± 10 %)	1 l/min (0.26 USgpm) 1
		2 l/min (0.53 USgpm) 2
		3 l/min (0.79 USgpm) 3
		4 l/min (1.06 USgpm) 4
		5 l/min (1.32 USgpm) 5
		6 l/min (1.58 USgpm) 6
		7 l/min (1.85 USgpm) 7
		8 l/min (2.11 USgpm) 8
		9 l/min (2.38 USgpm) 9
		10 l/min (2.64 USgpm) 10
		11 l/min (2.90 USgpm) 11
		12 l/min (3.17 USgpm) 12

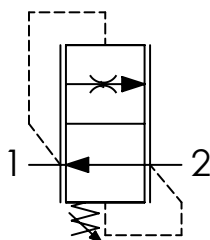


mm
(Inches)

型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VSCR6	12 (3.20)	250 (3625)	0,012 (0.026)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Ambient temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器）		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

选型

ORDERING CODE

01	02	03	04
VRD			

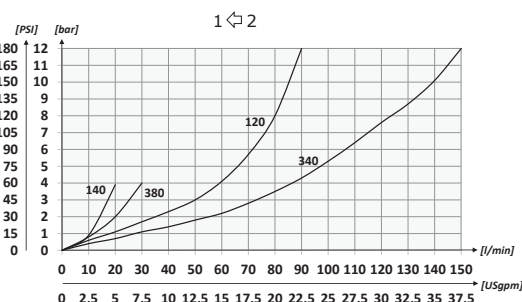
01	可调补偿流量阀 (ADJUSTABLE FLOW CONTROL VALVES - PRESSURE COMPENSATED)						VRD	
02	规格 (SIZE)	BSPP 1/4					140	
		BSPP 3/8					380	
		BSPP 1/2					120	
		BSPP 3/4					340	
03	50bar 下控制流量值 (CONTROLLED FLOW AT 50 BAR)	A	B	C	D	E	F	
		l/min-USgpm						
		1,4/4,2 (0,37/1,11)	2,4/7,8 (0,63/2,06)	3,8/9 (1/2,38)	6/13,4 (1,58/3,54)	8,6/17,5 (2,27/4,62)	12,2/24 (3,22/6,34)	VRD140
		1,7/3,7 (0,45/0,98)	3/5,5 (0,79/1,45)	5/10,5 (1,32/2,77)	10/18 (2,64/4,75)	16,5/25,4 (4,36/6,71)	19,5/33 (5,15/8,71)	VRD380
		15,5/23,8 (4,09/6,28)	19,7/32,5 (5,20/8,58)	22,8/38,4 (6,02/10,14)	32/51,4 (8,45/13,57)	40,5/71,6 (10,69/18,9)	-	VRD120
		39,8/57,1 (10,51/15,07)	45,2/68,2 (11,93/18)	63,2/83,3 (16,68/21,99)	67/107 (17,69/28,25)	105/151 (27,72/39,86)	-	VRD340
04	设定 (SETTING)	例如F设定15mm (EXAMPLE: SETTING 15 MM) F 15 流量误差 ± 10% (TOLERANCE OF SETTING FLOW RATE ± 10%)						F__
		* 不需要则省略 (OMITTED IF NOT REQUIRED)						

如详细订货号缺省，则该阀出厂时不会做其它设置，螺母未拧紧。

为正确使用该阀，需要使用者对该阀做好标定。

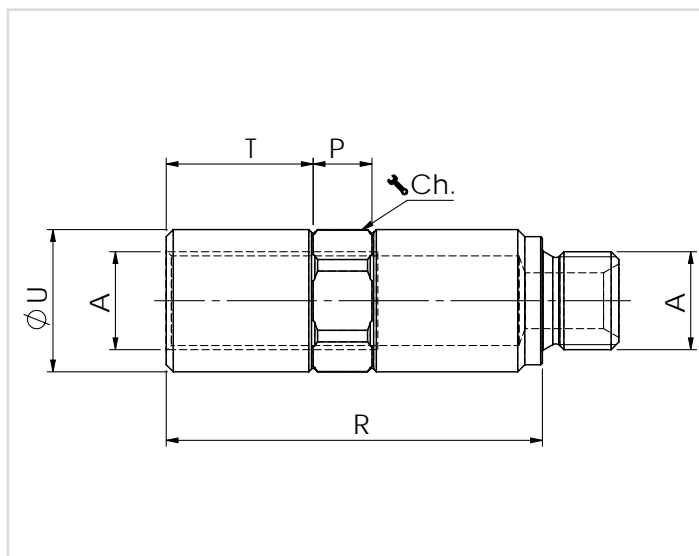
If omitted this value, the valves are supplied without factory setting and nuts are not tightened. For the correct operating it is needed a calibration of the valve made by final installer.

性能曲线 PERFORMANCES



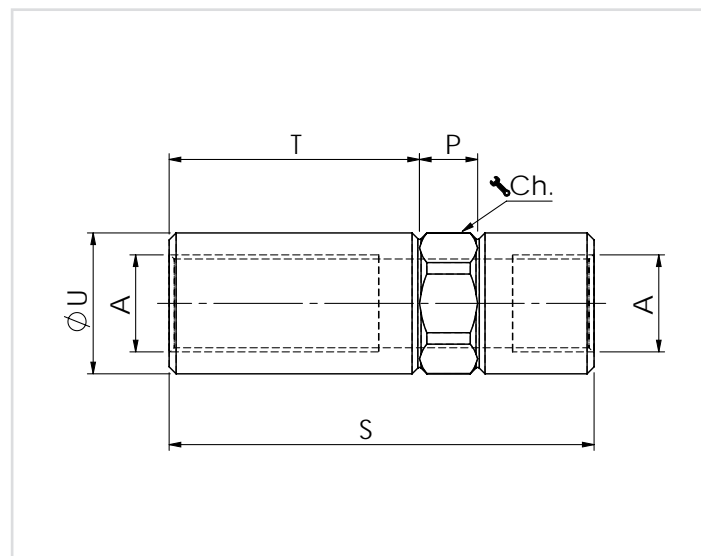
技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	T	G	L	M	R	S	重量 APPROX WEIGHT kg-lbt	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft
VRD140	BSPP 1/4	20 (5.3)	300 (4350)	10 (0.39)	33 (1.30)	53 (2.09)	6 (0.24)	7 (0.28)	13,5 (0.53)	39 (1.54)	10 (0.39)	57 (2.24)	66 (2.60)	0,013 (0.029)	6 (4.5)
VRD380	BSPP 3/8	35 (9.2)		12,5 (0.49)	36 (1.42)	60 (2.63)	5 (0.20)	9,5 (0.37)	15,5 (0.61)	45 (1.77)	14 (0.55)	64 (2.52)	73 (2.87)	0,024 (0.053)	8 (6)
VRD120	BSPP 1/2	65 (17.2)		16 (0.63)	39 (1.54)	63 (2.48)	7 (0.28)	12 (0.47)	16 (0.63)	51 (2.01)	18 (0.71)	69 (2.72)	81 (3.19)	0,037 (0.082)	12 (9)
VRD340	BSPP 3/4	150 (39.6)		20 (0.79)	50 (1.97)	81 (3.19)	10 (0.39)	16 (0.63)	21 (0.83)	62 (2.44)	23 (0.91)	87 (3.43)	99 (3.90)	0,079 (0.18)	15 (11.25)



接口 HOUSING M/F

型号 TYPE	A	R	P	T	U	Ch.	重量 APPROX WEIGHT kg-lbt
61100057	BSPP 1/4	57 (2.24)	10 (0.39)	22 (0.87)	20.5 (0.81)	19	0.11 (0.16)
61100058	BSPP 3/8	64 (2.52)	10 (0.39)	25 (0.98)	24.5 (0.96)	22	0.14 (0.20)
61100059	BSPP 1/2	69 (2.71)	10 (0.39)	28 (1.10)	29.5 (1.16)	27	0.24 (0.30)
61100060	BSPP 3/4	87 (3.42)	12 (0.47)	36 (1.42)	35.5 (1.40)	32	0.34 (0.48)



接口 HOUSING F/F

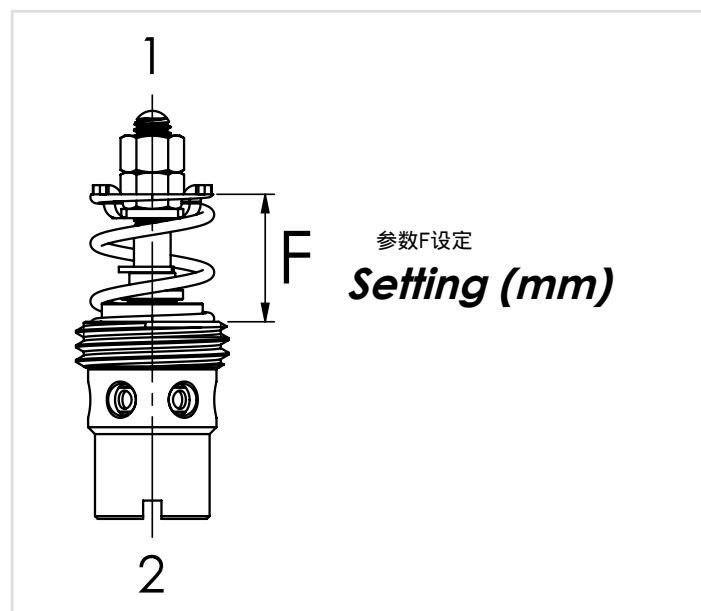
型号 TYPE	A	S	P	T	U	Ch.	重量 APPROX WEIGHT kg-lbt
61100051	BSPP 1/4	66 (2.60)	10 (0.39)	38 (1.50)	20.5 (0.81)	19	0.11 (0.16)
61100052	BSPP 3/8	73 (2.87)	10 (0.39)	43 (1.69)	24.5 (0.96)	22	0.12 (0.20)
61100053	BSPP 1/2	81 (3.19)	10 (0.39)	50.5 (1.99)	29.5 (1.16)	27	0.20 (0.33)
61100054	BSPP 3/4	99 (3.90)	12 (0.47)	57 (2.24)	35.5 (1.40)	32	0.29 (0.50)

设定 SETTING mm	F _—	VRD140 流量 (l/min) - Flow rate (Usgpm)					
		A	B	C	D	E	F
10		1,4 (0,37)	2,4 (0,63)	3,8 (1,00)	6 (1,58)	8,6 (2,27)	12,2 (3,22)
9		1,9 (0,50)	3,1 (0,82)	4,7 (1,24)	7,6 (2,01)	10,3 (2,72)	15,4 (4,07)
8		2,1 (0,55)	3,8 (1,00)	5,6 (1,48)	8,9 (2,35)	12 (3,17)	18,6 (4,91)
7		3,3 (0,87)	5,9 (1,56)	7,2 (1,90)	10,6 (2,80)	13,1 (3,46)	18,8 (4,96)
6		4,2 (1,11)	7,8 (2,06)	9 (2,38)	13,4 (3,54)	17,5 (4,62)	24 (6,34)

设定 SETTING mm	F _—	VRD340 流量 (l/min) - Flow rate (Usgpm)				
		A	B	C	D	E
23		39,8 (10,51)	45,2 (11,93)	63,2 (16,68)	67 (17,69)	105 (27,72)
22		42,1 (11,11)	48 (12,67)	65,7 (17,34)	69,7 (18,40)	112,5 (29,70)
21		45,1 (11,91)	51,8 (13,68)	68 (17,95)	76,6 (20,22)	119 (31,42)
20		47 (12,41)	54,9 (14,49)	70,7 (18,66)	81,9 (21,62)	126,2 (33,32)
19		50,2 (13,25)	58,1 (15,34)	73,4 (19,38)	90,1 (23,79)	133,7 (35,30)
18		51,8 (13,68)	62,3 (16,45)	77,1 (20,35)	95 (25,08)	140,2 (37,01)
17		54,5 (14,39)	64,8 (17,11)	80,2 (21,17)	101 (26,66)	145,4 (38,39)
16		57,1 (15,07)	68,2 (18,00)	83,3 (21,99)	107 (28,25)	151 (39,86)

设定 SETTING mm	F _—	VRD380 流量 (l/min) - Flow rate (Usgpm)					
		A	B	C	D	E	F
15		1,7 (0,45)	3 (0,79)	5 (1,32)	10 (2,64)	16,5 (4,36)	19,5 (5,15)
14		2,3 (0,61)	3,8 (1,00)	6,2 (1,64)	13 (3,43)	20 (5,28)	23,4 (6,18)
13		2,6 (0,69)	4,7 (1,24)	8,2 (2,16)	15,6 (4,12)	22 (5,81)	26,9 (7,10)
12		3 (0,79)	5,2 (1,37)	9,4 (2,48)	16,6 (4,38)	23,5 (6,20)	29,8 (7,87)
11		3,7 (0,98)	5,5 (1,45)	10,5 (2,77)	18 (4,75)	25,4 (6,71)	33 (8,71)

设定 SETTING mm	F _—	VRD120 流量 (l/min) - Flow rate (Usgpm)				
		A	B	C	D	E
20		15,5 (4,09)	19,7 (5,20)	22,8 (6,02)	32 (8,45)	40,5 (10,69)
19		17 (4,49)	21,7 (5,73)	25,8 (6,81)	35,4 (9,35)	44,3 (11,70)
18		18 (4,75)	24,3 (6,42)	28 (7,39)	38,7 (10,22)	49,3 (13,02)
17		19,4 (5,12)	26,2 (6,92)	31,2 (8,24)	41,8 (11,04)	54,8 (14,47)
16		20,4 (5,39)	28,1 (7,42)	33,5 (8,84)	44 (11,62)	59,2 (15,63)
15		21,6 (5,70)	29,2 (7,71)	34,2 (9,03)	46,2 (12,20)	62,9 (16,61)
14		22,6 (5,97)	31 (8,18)	36,1 (9,53)	49,2 (12,99)	67,7 (17,87)
13		23,8 (6,28)	32,5 (8,58)	38,4 (10,14)	51,4 (13,57)	71,6 (18,90)



选型

ORDERING CODE

01

VS

02

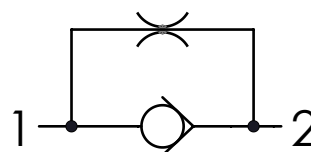
380

03



01	(CHECK VALVES WITH LEAKAGE)		VS
02	(SIZE)	BSPP 3/8	380
03	(GAPS)	2 tagli (2 gaps)	2T
		4 tagli (4 gaps)	4T

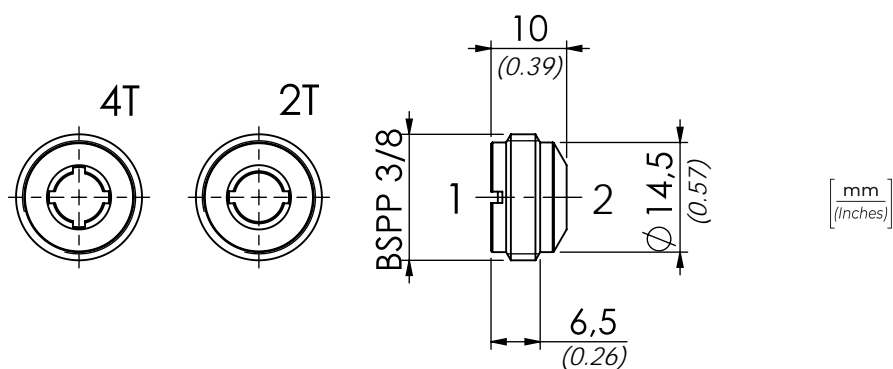
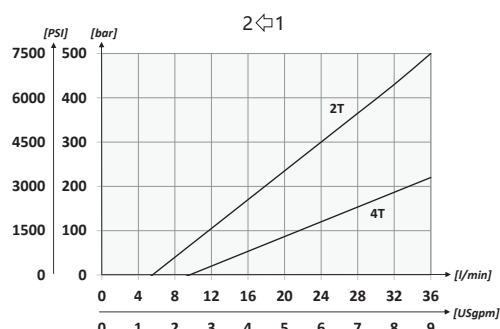
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线 PERFORMANCES



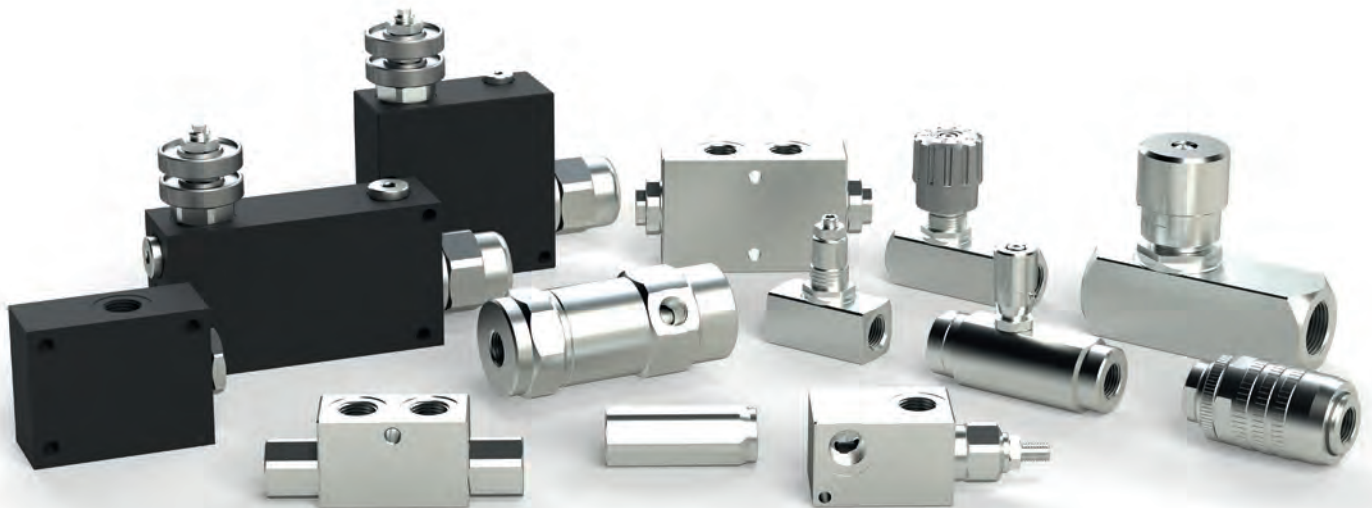
技术参数 TECHNICAL CHARACTERISTICS

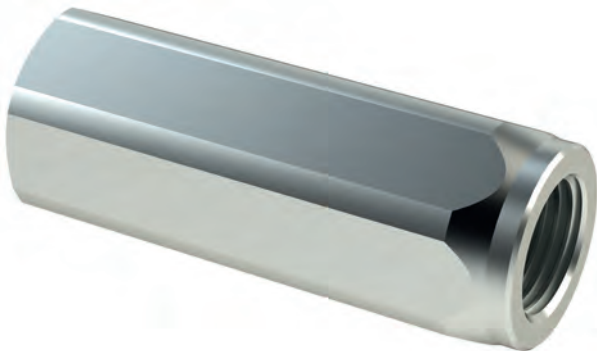
型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 APPROX WEIGHT kg-lbt
VS380	35 (9.2)	500 (7250)	6 (4.5)	0,01 (0.022)

管路阀 IN-LINE VALVES

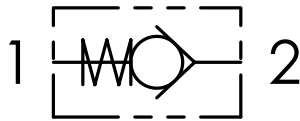
单向流量控制阀，双向流量控制阀，流量控制阀，流量控制压力补偿阀，流量分配器，行程阀，液控单向阀，双向液控单向阀，双向溢流阀，溢流阀和顺序阀

Unidirectional flow control valves, bidirectional flow control valves, flow control valves pressure compensated, flow dividers, end-stroke valves, single or double acting pilot check valves, double cross direct acting relief valves, direct acting relief valves and sequence valves.





液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量		0,25 cm ³ /min - 5 gocce/min
Max leakage		0,015 in ³ /min - 5 drops/min

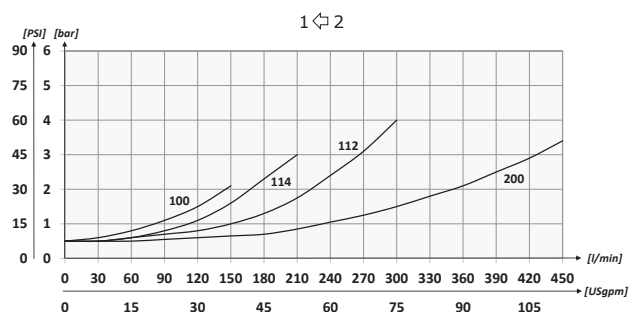
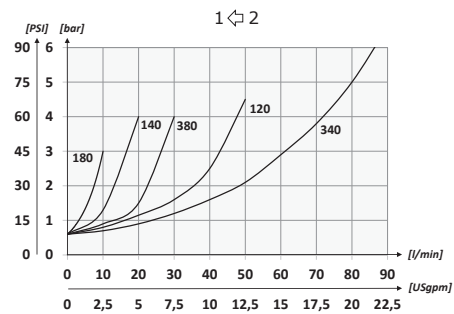
选型

ORDERING CODE

01	02	03	04
VUR			

01	单向阀 管式阀 (F/F CHECK HOUSING VALVES)		VUR
02	规格 (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112
03	密封 (SEALING)	球密封 VUR180/140/380/120 e molla 1 bar (Ball sealing only for VUR180/140/380/120 and spring 1 bar)	SF
		Tenuta a cono (Poppet sealing)	SP
04	开启压力 (SPRING)	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)	3
		4,5 bar (65.25 PSI)	4,5
		6 bar (87 PSI)	6
		10 bar (145 PSI) Solo versione 120 (Only 120 version)	10

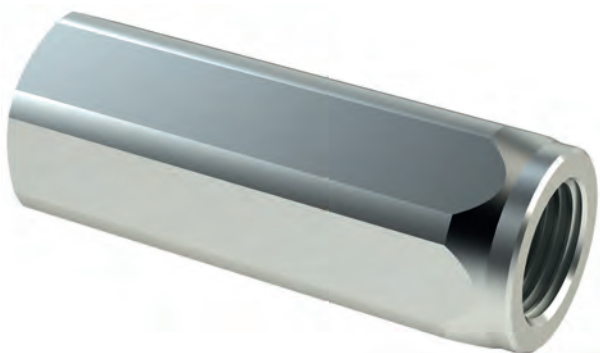
性能曲线



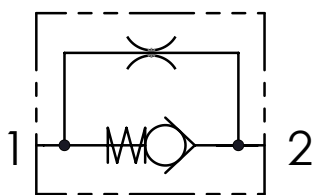
技术参数

TECHNICAL CHARACTERISTICS

类型 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	L	Ch.	重量 (kg) APPROX WEIGHT (lbt)
VUR180	BSPP 1/8	5 (1.3)	400 (5800)	47 (1.85)	14	0,05 (0.11)
VUR140	BSPP 1/4	15 (4.0)		55 (2.17)	19	0,10 (0.22)
VUR380	BSPP 3/8	30 (7.9)		65 (2.56)	24	0,18 (0.40)
VUR120	BSPP 1/2	50 (13.2)		75 (2.95)	27	0,23 (0.50)
VUR340	BSPP 3/4	90 (23.8)		86,5 (3.41)	35	0,45 (1)
VUR100	BSPP 1	150 (39.6)	350 (5075)	110 (4.33)	41	0,73 (1.6)
VUR114	BSPP 1-1/4	200 (52.8)		123 (4.84)	54	1,5 (3.3)
VUR112	BSPP 1-1/2	300 (79.2)		138 (5.43)	59	1,85 (4.07)
VUR200	BSPP 2	430 (113.5)	250 (3625)	145 (5.71)	69	2,7 (6)

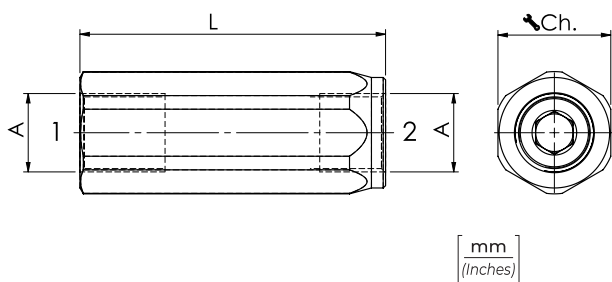


液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		



技术参数 TECHNICAL CHARACTERISTICS

类型 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	L	Ch.	重量 (kg) APPROX WEIGHT (lb)
VUR180-H	BSPP 1/8	5 (1.3)	400 (5800)	47 (1.85)	14	0,05 (0.11)
VUR140-H	BSPP 1/4	15 (4.0)		55 (2.17)	19	0,10 (0.22)
VUR380-H	BSPP 3/8	30 (7.9)		65 (2.56)	24	0,18 (0.40)
VUR120-H	BSPP 1/2	50 (13.2)		75 (2.95)	27	0,23 (0.50)
VUR340-H	BSPP 3/4	90 (23.8)		86,5 (3.41)	35	0,45 (1)
VUR100-H	BSPP 1	150 (39.6)	350 (5075)	110 (4.33)	41	0,73 (1.6)
VUR114-H	BSPP 1-1/4	200 (52.8)		123 (4.84)	55	1,5 (3.3)
VUR112-H	BSPP 1-1/2	300 (79.2)		138 (5.43)	60	1,85 (4.07)
VUR200-H	BSPP 2	430 (113.5)	250 (3625)	145 (5.71)	70	2,7 (6)

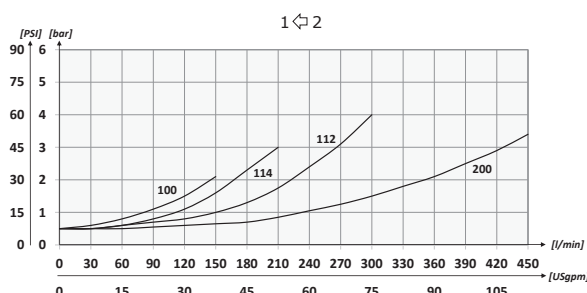
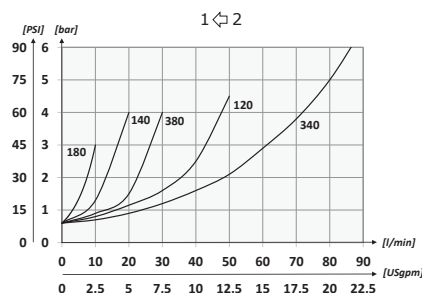
选型

ORDERING CODE

01	02	03	04	05
VUR		SP		

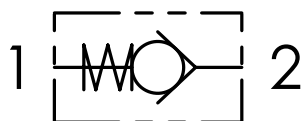
01	VALVOLE UNIDIREZIONALI F/F A COLONNETTA CON FORO DI STROZZATURA (F/F CHECK HOUSING VALVES WITH RESTRICTION HOLE)	VUR
02	规格 (SIZE)	BSPP 1/8 180
		BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120
		BSPP 3/4 340
		BSPP 1 100
		BSPP 1-1/4 114
		BSPP 1-1/2 112
		BSPP 2 200
03	密封 (SEALING)	Tenuta a cono (Poppet sealing) SP
04	开启压力 (SPRING)	1 bar Standard (14.5 PSI) 1
		3 bar (43.5 PSI) 3
		4,5 bar (65.25 PSI) 4,5
		6 bar (87 PSI) 6
		10 bar (145 PSI) Solo versione 120 (Only 120 version) 10
05	阻尼孔 (RESTRICTION HOLE)	阻尼孔尺寸.如: VUR380SP1 con foro Ø 1,5 mm Cod. VUR380SP1-1,5 State the hole diameter. Example: VUR380SP1-1,5 with Ø 0,06 in hole Cod. VUR380SP1-1,5

性能曲线



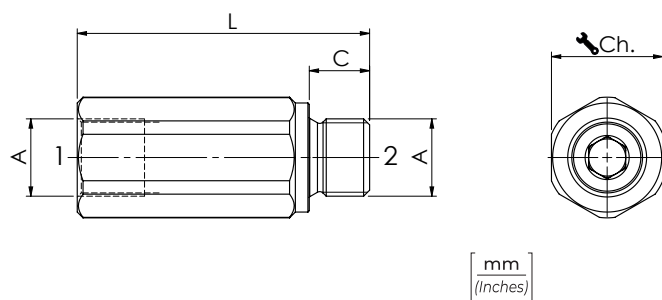


液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量		0,25 cm ³ /min - 5 gocce/min
Max leakage		0,015 in ³ /min - 5 drops/min



技术参数

TECHNICAL CHARACTERISTICS

类型 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE (bar) (PSI)	L	C	Ch.	重量 APPROX WEIGHT kg-lbt
VMF140	BSPP 1/4	15 (4)	400 (5800)	50 (1.96)	11 (0.43)	19 (0.75)	0,08 (0.18)
VMF380	BSPP 3/8	30 (8)		63 (2.48)	13 (0.51)	24 (0.94)	0,16 (0.35)
VMF120	BSPP 1/2	50 (13)		70 (2.75)	14 (0.55)	27 (1.06)	0,20 (0.44)
VMF340	BSPP 3/4	90 (23)		82 (3.23)	17 (0.67)	35 (1.38)	0,39 (0.86)
VMF100	BSPP 1	150 (40)	350 (5075)	100,5 (3.95)	19 (0.75)	41 (1.61)	0,63 (1.38)

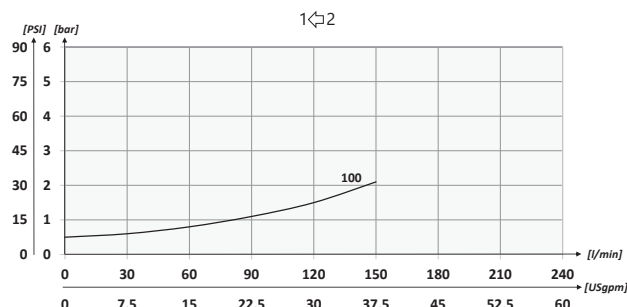
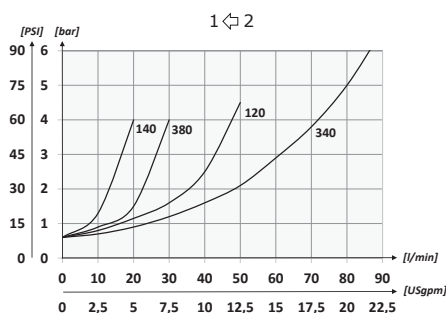
选型

ORDERING CODE

01	02	03	04
VMF			

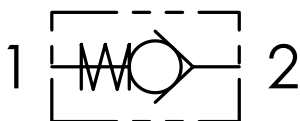
01	单向阀 (M/F CHECK HOUSING VALVES)		VMF
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	密封 (SEALING)	球密封 (Ball sealing only for VMF140/380/120 and spring 1 bar)	SF
		锥阀 (Poppet sealing)	SP
04	弹簧开启压力 (SPRING)	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)	3
		4,5 bar (65 PSI)	4,5
		6 bar (87 PSI)	6
		10 bar (145 PSI)	仅120版本 (Only 120 version)

性能曲线

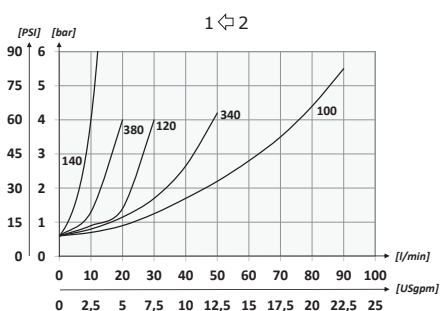




液压符号 HYDRAULIC CIRCUIT



性能曲线



选型

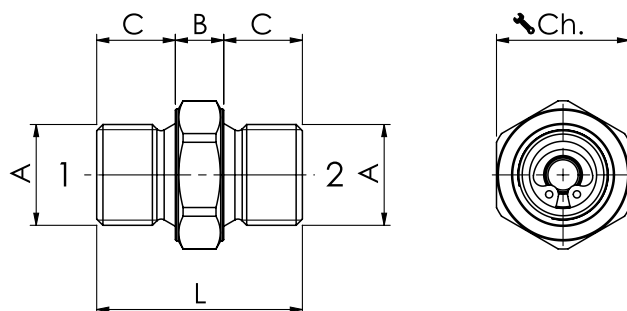
ORDERING CODE

01	02	03	04
VUN			

01	单向阀 (M/M CHECK VALVES)	VUN
02	规格 (SIZE)	BSPP 1/4
		140
		BSPP 3/8
		380
		BSPP 1/2
03	密封 (SEALING)	BSPP 1/2
		120
		BSPP 3/4
04	弹簧开启压力 (SPRING)	BSPP 3/4
		340
		BSPP 1
05	球密封 (Ball sealing only for VUN140/380/120 and spring 1 bar)	100
		球密封 VUN140/380/120 e molla 1 bar
		SF
		锥阀 (Poppet sealing)
		SP
06	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)
		3
		4,5 bar (65.25 PSI)
		4,5
07	6 bar (87 PSI)	6

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm ³ /min - 5 gocce/min
		0,015 in ³ /min - 5 drops/min



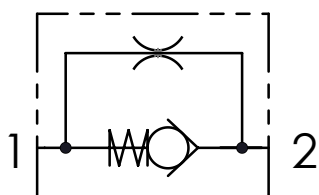
[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

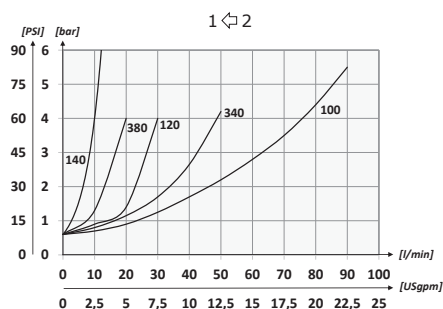
型号 CODE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	L	B	C	Ch.	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 (kg) APPROX WEIGHT (lbt)
VUN140	BSPP 1/4	5 (1.3)	500 (7250)	29 (0.28)	7 (1.27)	11 (0.43)	19	40 (29.50)	0,03 (0.066)
VUN380	BSPP 3/8	15 (4)		34 (1.34)	8 (0.31)	13 (0.51)	22	70 (51.60)	0,05 (0.01)
VUN120	BSPP 1/2	30 (7.9)		44 (1.73)	16 (0.63)	14 (0.55)	27	85 (62.7)	0,11 (0.24)
VUN340	BSPP 3/4	50 (13.2)		50 (1.97)	16 (0.63)	17 (0.67)	32	160 (118)	0,18 (0.40)
VUN100	BSPP 1	90 (23.8)		57 (2.24)	19 (0.75)	19 (0.75)	41	300 (221.3)	0,32 (0.71)



液压符号 HYDRAULIC CIRCUIT



性能曲线



选型

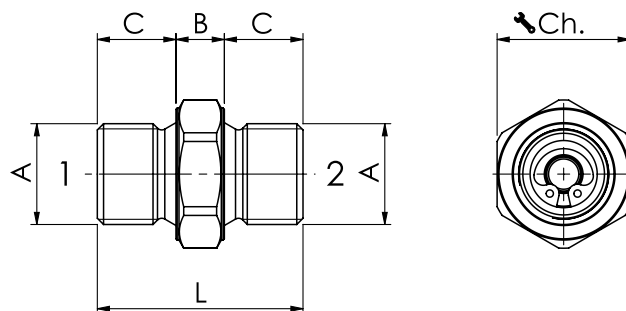
ORDERING CODE

01	02	03	04	05
VUN		SP		

01	单向节流阀 (M/M CHECK VALVES WITH RESTRICTION HOLE)	VUN
02	规格 (SIZE)	BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120
		BSPP 3/4 340
		BSPP 1 100
03	密封 (SEALING)	锥阀 (Poppet sealing) SP
04	弹簧开启压力 (SPRING)	1 bar Standard (14.5 PSI) 1
		3 bar (43.5 PSI) 3
		4,5 bar (65.25 PSI) 4,5
		6 bar (87 PSI) 6
05	节流孔 (RESTRICTION HOLE)	节流孔 : VUN380SP1 con foro Ø 1,5 mm Cod. VUN380SP1-1,5 State the hole diameter Example: VUN380SP1-1,5 with Ø 0,06 in hole Cod. VUN380SP1-1,5

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm³/min - 5 gocce/min 0,015 in³/min - 5 drops/min



[mm
(Inches)]

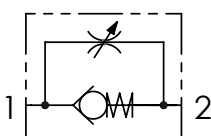
技术参数 TECHNICAL CHARACTERISTICS

型号 CODE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	L	B	C	Ch.	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 (kg) APPROX WEIGHT (lbt)
VUN140-H	BSPP 1/4	5 (1.3)	500 (7250)	29 (0.28)	7 (1.27)	11 (0.43)	19	40 (29.50)	0,03 (0.066)
VUN380-H	BSPP 3/8	15 (4)		34 (1.34)	8 (0.31)	13 (0.51)	22	70 (51.60)	0,05 (0.01)
VUN120-H	BSPP 1/2	30 (7.9)		44 (1.73)	16 (0.63)	14 (0.55)	27	85 (62.7)	0,11 (0.24)
VUN340-H	BSPP 3/4	50 (13.2)		50 (1.97)	16 (0.63)	17 (0.67)	32	160 (118)	0,18 (0.40)
VUN100-H	BSPP 1	90 (23.8)		57 (2.24)	19 (0.75)	19 (0.75)	41	300 (221.3)	0,32 (0.71)



球阀只用于 **VURF 140/380/120**
BALL SEALING ONLY FOR VURF 140/380/120

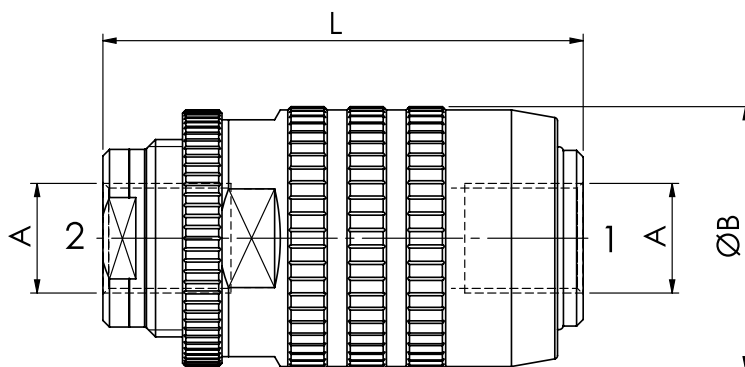
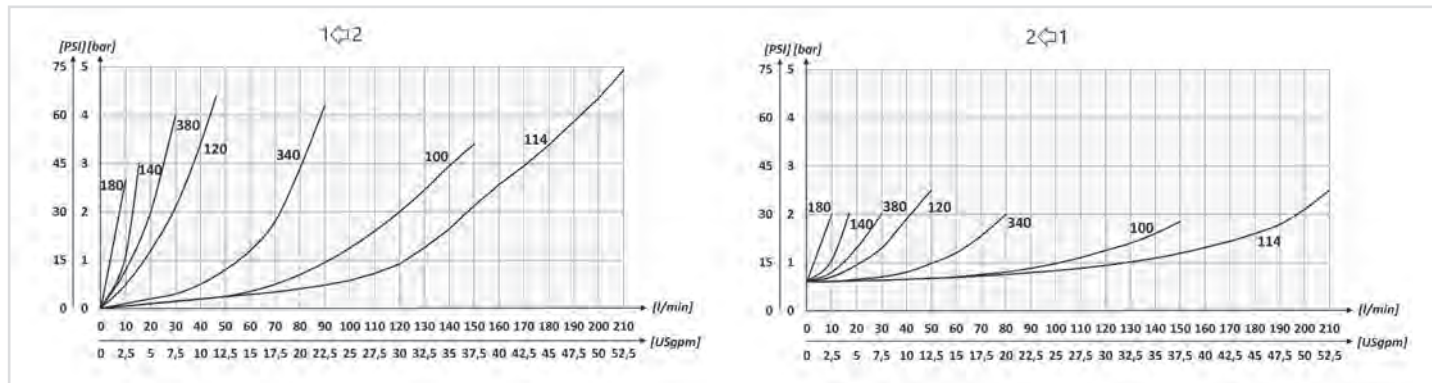
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



[mm]
[inches]

选型 ORDERING CODE

01

02

VURF

01	单向节流阀 (UNIDIRECTIONAL FLOW CONTROL VALVES)	VURF
02	规格 (SIZE)	BSPP 1/8
		BSPP 1/4
		BSPP 3/8
		BSPP 1/2
		BSPP 3/4
		BSPP 1
		BSPP 1-1/4

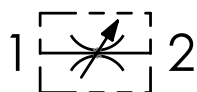
技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE (PSI)	B	L	重量 APPROX WEIGHT kg-lbt
VURF180	BSPP 1/8	5 (1,3)	350 (5075)	25 (0.98)	48 (1.89)	0,12 (0.26)
VURF140	BSPP 1/4	15 (4)		34 (1.34)	62 (2.44)	0,28 (0.6)
VURF380	BSPP 3/8	30 (7.9)		39 (1.54)	73 (2.87)	0,46 (1.01)
VURF120	BSPP 1/2	45 (11.9)		44 (1.73)	83 (3.27)	0,66 (1.45)
VURF340	BSPP 3/4	85 (22.4)	300 (4350)	54 (2.13)	102 (4.02)	1,10 (2.42)
VURF100	BSPP 1	150 (39.6)	250 (3625)	65 (2.56)	124,5 (4.90)	1,9 (4.20)
VURF114	BSPP 1-1/4	200 (52.8)		75 (2.95)	144 (5.67)	2,95 (6.32)



液压符号 HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

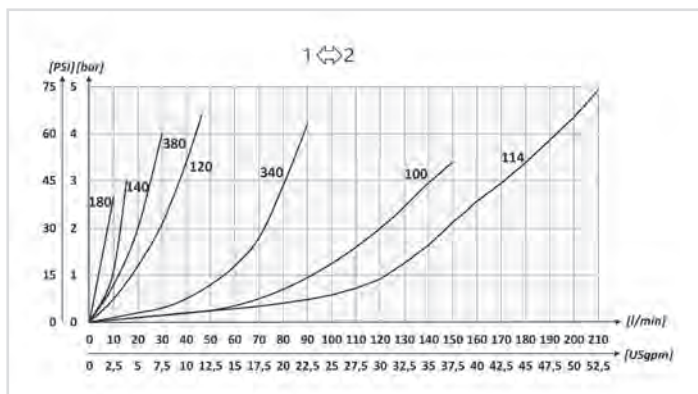
VBRF

01	双向节流阀 (BIDIRECTIONAL FLOW CONTROL VALVES)		VBRF
02	规格 (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114

技术参数 TECHNICAL DATA

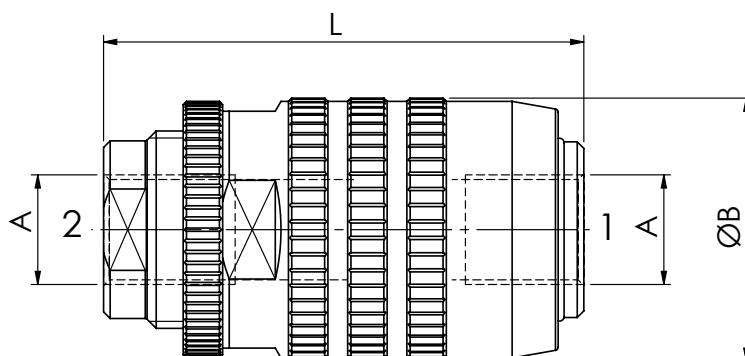
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



技术参数 TECHNICAL CHARACTERISTICS

TIPO TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	L	重量 APPROX WEIGHT kg-lbt
VBRF180	BSPP 1/8	5 (1,3)	350 (5075)	25 (0.98)	48 (1.89)	0,12 (0.26)
VBRF140	BSPP 1/4	15 (4)		34 (1.34)	62 (2.44)	0,28 (0.6)
VBRF380	BSPP 3/8	30 (7.9)		39 (1.54)	73 (2.87)	0,45 (1)
VBRF120	BSPP 1/2	45 (11.9)		44 (1.73)	83 (3.27)	0,63 (1.4)
VBRF340	BSPP 3/4	85 (22.4)	300 (4350)	54 (2.13)	102 (4.02)	1,06 (2.33)
VBRF100	BSPP 1	150 (39.6)	250 (3625)	65 (2.56)	124,5 (4.90)	1,8 (4)
VBRF114	BSPP 1-1/4	200 (52.8)		75 (2.95)	144 (5.67)	2,78 (5.96)



[mm
(Inches)]



铸铝手柄
DIE CAST ALUMINIUM HANDKNOB

铝材滚花手柄
TURNED ALUMINIUM HANDKNOB

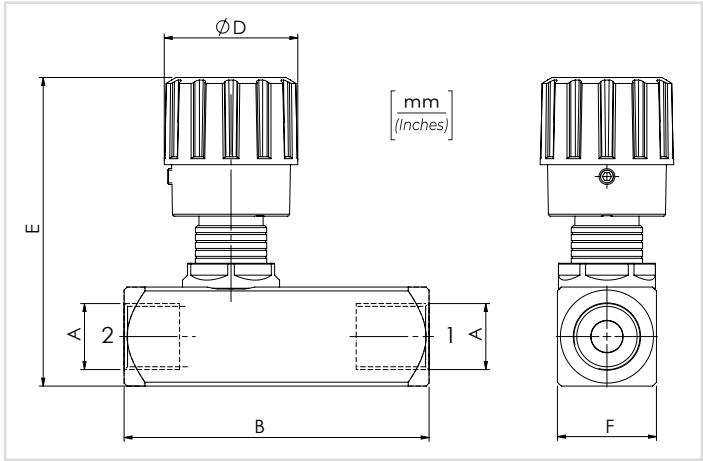


BSPP STU140 - STU380 - STU120

BSPP STU180 - STU340 - STU100 - STU114 - STU112

技术参数 TECHNICAL DATA

矿物油 - Mineral oil ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity 15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数
Max contamination index with filter ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature -20°C +80°C -4°F +176°F
环境温度 - Environment temperature -20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)
It is necessary a filter use to protect the valve (advised filtration 15 µm)



技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	D	E	F	重量 APPROX WEIGHT kg-lbt
STU180	BSPP 1/8	10 (2.6)	400 (5800)	58 (2.28)	20 (0.79)	53 (2.09)	20 (0.79)	0,19 (0.42)
STU140	BSPP 1/4	15 (4)		66 (2.60)	30 (1.18)	71,5 (2.81)	25 (0.98)	0,34 (0.75)
STU380	BSPP 3/8	30 (7.9)		77 (3.03)				0,36 (0.80)
STU120	BSPP 1/2	50 (13.2)		91 (3.58)	33 (1.30)	72 (2.83)	30 (1.18)	0,60 (1.3)
STU340	BSPP 3/4	80 (21.1)		112,5 (4.43)	42 (1.65)	94 (3.70)	40 (1.57)	1,33 (3)
STU100	BSPP 1	150 (39.6)		141 (5.55)		99 (3.90)	45 (1.77)	1,83 (4.03)
STU114	BSPP 1-1/4	200 (52.8)	350 (5075)	155 (6.10)	53 (2.09)	121,5 (4.78)	55 (2.17)	3,1 (6.8)
STU112	BSPP 1-1/2	300 (79.2)		168 (6.61)		131,5 (5.18)	65 (2.56)	4,5 (10)

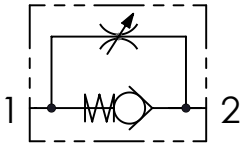
选型

ORDERING CODE

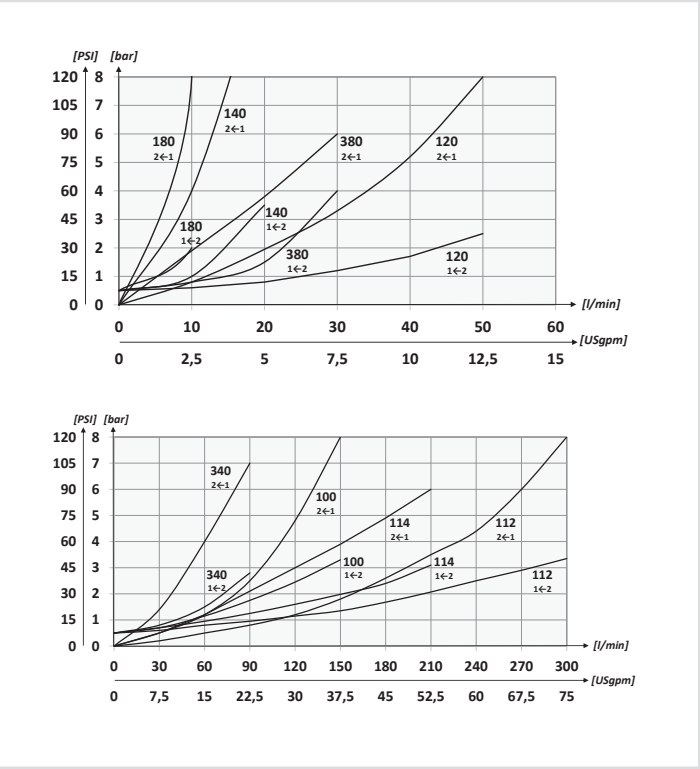
01	02
STU	

01	单向节流阀 (UNIDIRECTIONAL FLOW CONTROL VALVES)	STU
02	规格 (SIZE)	BSPP 1/8 180
		BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120
		BSPP 3/4 340
		BSPP 1 100
		BSPP 1-1/4 114
	球阀只用于 STU180/140/380/120 Ball sealing only for STU180/140/380/120	BSPP 1-1/2 112

液压符号 HYDRAULIC CIRCUIT



性能曲线



STUF-BSPP 单向节流阀 UNIDIRECTIONAL FLOW CONTROL VALVES



铸铝手柄

DIE CAST ALUMINIUM HANDKNOB

铝材滚花手柄

TURNED ALUMINIUM HANDKNOB



BSPP STUF140 - STUF380 - STUF120



BSPP STUF180 - STUF340 - STUF100 - STUF114 - STUF112

选型

ORDERING CODE

01

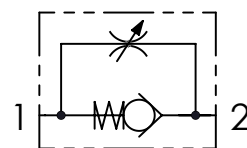
02

STUF

01	单向节流阀 (UNIDIRECTIONAL FLOW CONTROL VALVES)	STUF
02	规格 (SIZE) 球阀只用于 STU180/140/380/120 Ball sealing only for STU180/140/380/120	BSPP 1/8 180
		BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120
		BSPP 3/4 340
		BSPP 1 100
		BSPP 1-1/4 114
		BSPP 1-1/2 112

液压符号

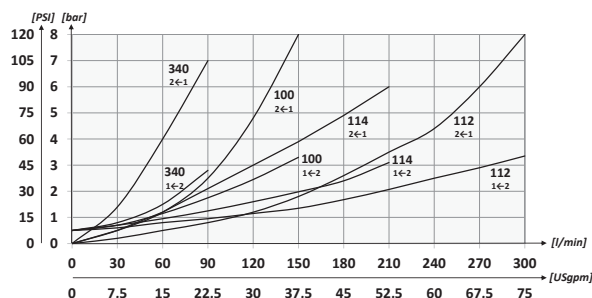
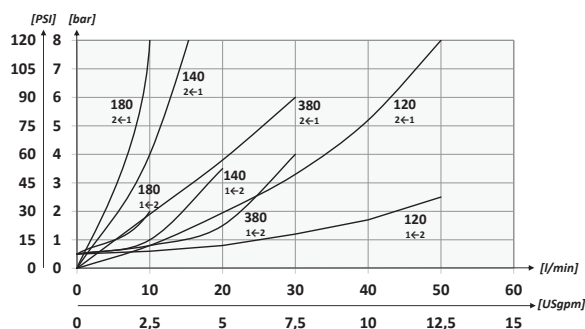
HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



技术参数 TECHNICAL CHARACTERISTICS

TIPO TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	可选 TYPE	重量 APPROX WEIGHT kg-lbt
STUF180	BSPP 1/8	10 (2.6)	400 (5800)	58 (2.28)	M15x1	20 (0.79)	60,5 (2.38)	20 (0.79)	8 (0.31)	5,5 (0.21)	19,5 (0.76)	84100031	0,20 (0.44)
STUF140	BSPP 1/4	15 (4)		66 (2.60)	M20x1	33 (1.30)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,38 (0.84)
STUF380	BSPP 3/8	30 (7.9)		77 (3.03)			81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)		0,40 (0.88)
STUF120	BSPP 1/2	50 (13.2)		91 (3.58)	M25x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100023	0,63 (1.40)
STUF340	BSPP 3/4	80 (21.1)		112,5 (4.43)	M35x1,5		115 (4.53)	45 (1.77)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100024	1,45 (3.2)
STUF100	BSPP 1	150 (39.6)	350 (5075)	141 (5.55)	M45x1,5	53 (2.09)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100030	2 (4.4)
STUF114	BSPP 1-1/4	200 (52.8)		155 (6.10)			147 (5.79)	65 (2.56)					3,3 (7.25)
STUF112	BSPP 1-1/2	300 (79.2)		168 (6.61)									4,7 (10.3)



铸铝手柄

DIE CAST ALUMINIUM HANDKNOB

铝材滚花手柄

TURNED ALUMINIUM HANDKNOB



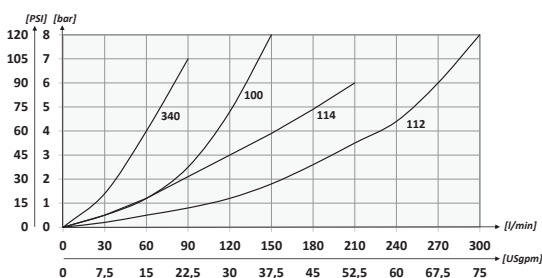
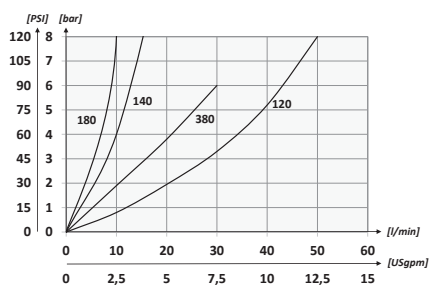
BSPP STB140 - STB380 - STB120

BSPP STB180 - STB340 - STB100 - STB114 - STB112

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器）		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



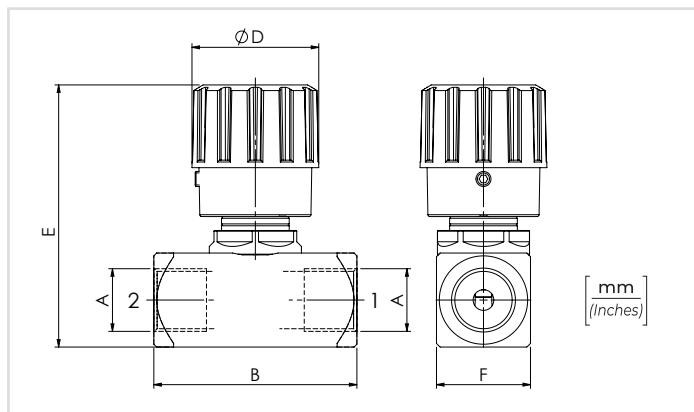
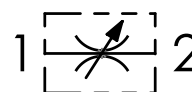
01	02
STB	

选型

ORDERING CODE

01	节流阀 (BIDIRECTIONAL FLOW CONTROL VALVES)		STB
02	规格 (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112

液压符号 HYDRAULIC CIRCUIT



技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	D	E	F	重量 (kg) APPROX WEIGHT (lbt)
STB180	BSPP 1/8	10 (2.6)	400 (5800)	44 (1.73)	20 (0.79)	53 (2.09)	20 (0.79)	0,15 (0.33)
STB140	BSPP 1/4	15 (4)		54 (2.13)	33 (1.30)	71,5 (2.81)	25 (0.98)	0,29 (0.70)
STB380	BSPP 3/8	30 (7.9)		64 (2.52)		72 (2.83)	30 (1.18)	0,26 (0.57)
STB120	BSPP 1/2	50 (13.2)		81 (3.19)	42 (1.65)	94 (3.70)	40 (1.57)	0,45 (1)
STB340	BSPP 3/4	80 (21.1)		102 (4.01)		99 (3.90)	45 (1.77)	1,02 (2.25)
STB100	BSPP 1	150 (39.6)	350 (5075)	53 (2.09)	53 (2.09)	121,5 (4.78)	55 (2.17)	1,38 (3.04)
STB114	BSPP 1-1/4	200 (52.8)				131,5 (5.18)	65 (2.56)	2,2 (4.8)
STB112	BSPP 1-1/2	300 (79.2)						3 (6.6)



铸铝手柄

DIE CAST ALUMINIUM HANDKNOB

铝材滚花手柄

TURNED ALUMINIUM HANDKNOB



BSPP STBF140 - STBF380 - STBF120

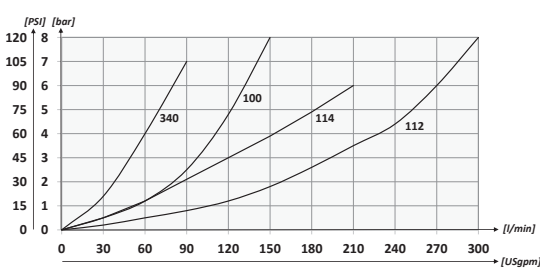
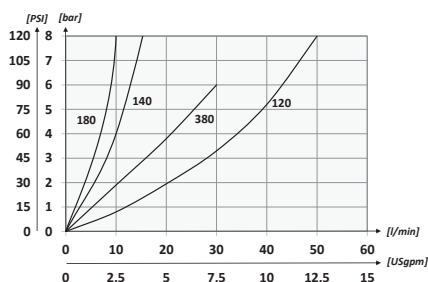
BSPP STBF180 - STBF340 -
STBF100 - STBF114 - STBF112

节流阀

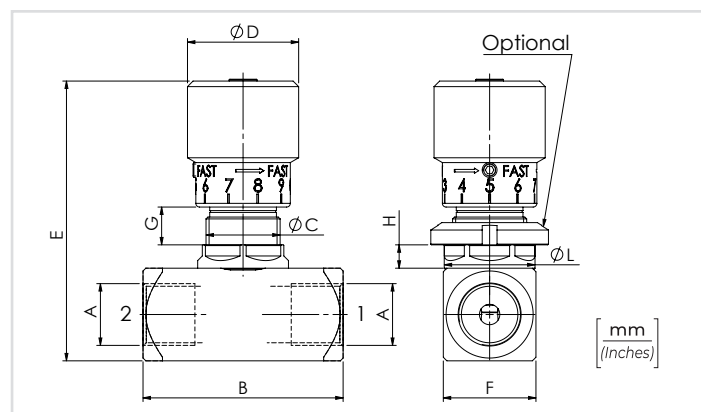
TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



液压符号 HYDRAULIC CIRCUIT



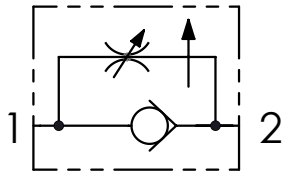
技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	D	E	F	G	H	L	选型 TYPE	重量 (kg) APPROX WEIGHT (lb)
STBF180	BSPP 1/8	10 (2.6)	400 (5800)	44 (1.73)	M15x1	20 (0.79)	60,5 (2.38)	20 (0.79)	8 (0.31)	5,5 (0.22)	19,5 (0.77)	84100031	0,16 (0.36)
STBF140	BSPP 1/4	15 (4)		54 (2.13)	M20x1	33 (1.30)	75 (2.95)	25 (0.98)	7,5 (0.30)	6 (0.24)	24,5 (0.96)	84100022	0,31 (0.68)
STBF380	BSPP 3/8	30 (7.9)		64 (2.52)	M25x1,5		81 (3.19)	30 (1.18)	9 (0.35)	7 (0.28)	29,5 (1.16)	84100023	0,28 (0.62)
STBF120	BSPP 1/2	50 (13.2)		81 (3.19)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.56)	84100024	0,48 (1.06)
STBF340	BSPP 3/4	80 (21.1)		81 (3.19)	M35x1,5		115 (4.53)	45 (1.77)	15,5 (0.61)	8 (0.31)	39,5 (1.56)	84100024	1,13 (2.50)
STBF100	BSPP 1	150 (39.6)	350 (5075)	102 (4.01)	M45x1,5	53 (2.09)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.97)	84100030	1,50 (3.3)
STBF114	BSPP 1-1/4	200 (52.8)					147 (5.79)	65 (2.56)	13,5 (0.53)	10 (0.39)	50 (1.97)		2,37 (5.21)
STBF112	BSPP 1-1/2	300 (79.2)					147 (5.79)	65 (2.56)	13,5 (0.53)	10 (0.39)	50 (1.97)	84100030	3,17 (7)



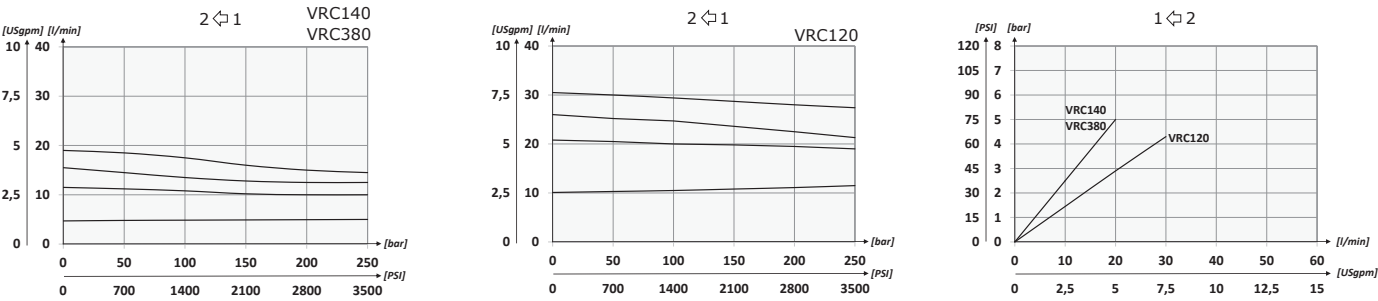
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线

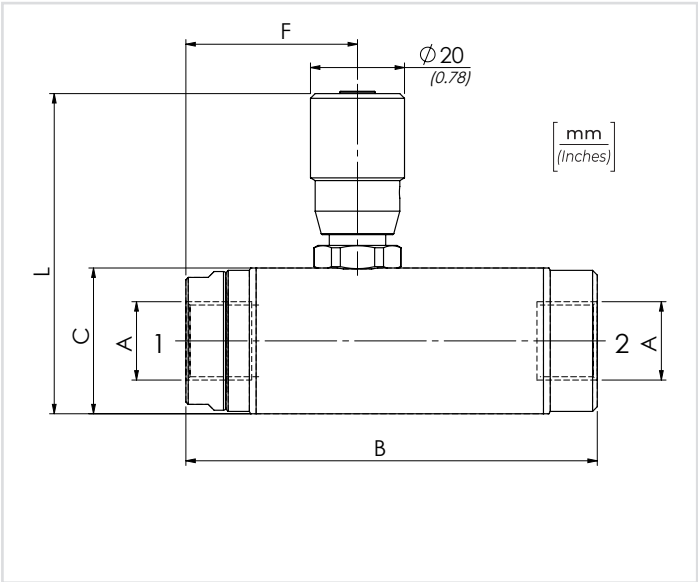


技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	F	L	重量 (kg) APPROX WEIGHT (lb)
VRC140	BSPP 1/4	10 (2.6)	250 (3625)	87,5 (3.44)	31 (1.22)	36,5 (1.44)	68 (2.68)	0,51 (1.12)
VRC380	BSPP 3/8	18 (4.8)		107,5 (4.31)	36 (1.42)	46 (1.81)	73 (2.87)	0,50 (1.10)
VRC120	BSPP 1/2	33 (8.7)						0,76 (1.67)

选型 ORDERING CODE		01 VRC	02
01	流量补偿阀 (2 WAYS FLOW CONTROL VALVES - PRESSURE COMPENSATED)	VRC	
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120

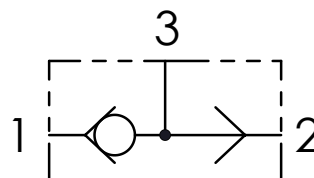




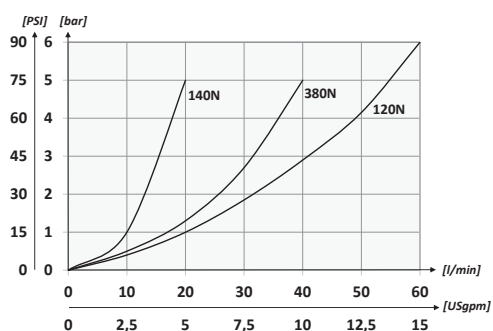
选型	01	02
ORDERING CODE	VUSF	

01	VALVOLE SELETTRICI (LOAD SHUTTLE VALVES)		VUSF
02	规格 (SIZE)	BSPP 1/4	140N
		BSPP 3/8	380N
		BSPP 1/2	120N

液压符号 HYDRAULIC CIRCUIT

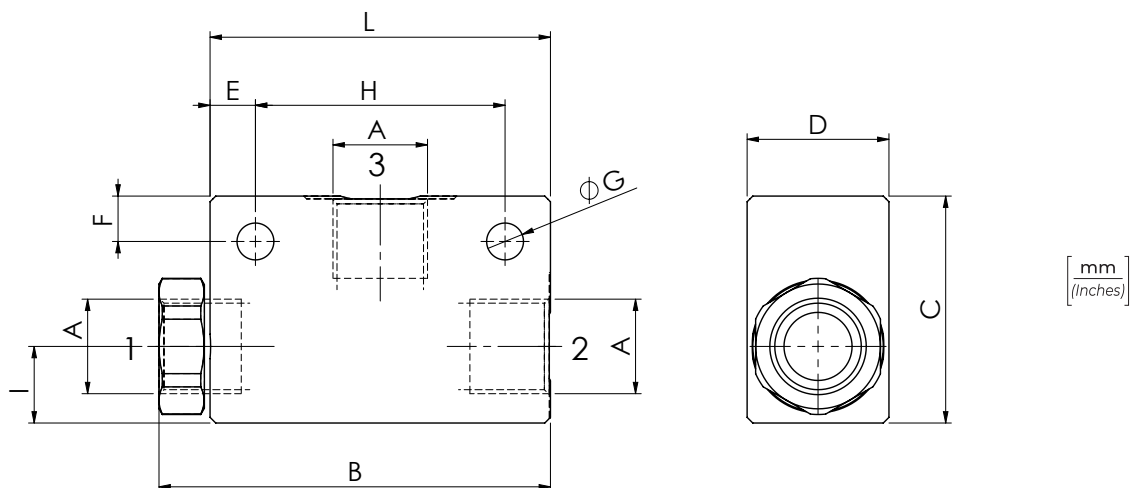


性能曲线



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

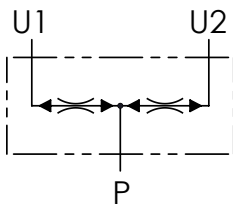


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	重量 APPROX WEIGHT kg-lbt
VUSF140N	BSPP 1/4	20 (5.3)	350 (5075)	57,3 (2.26)	35 (1.38)	25 (0.98)	9 (0.35)	8 (0.31)	6,5 (0.26)	34 (1.34)	12 (0.47)	52 (2.05)	0,29 (0.65)
VUSF380N	BSPP 3/8	40 (10.6)		69 (2.72)	40 (1.57)		8 (0.31)			44 (1.73)	13,5 (0.53)	60 (2.36)	0,37 (0.81)
VUSF120N	BSPP 1/2	60 (15.8)		73,8 (2.90)	50 (1.97)	35 (1.38)	10 (0.39)	10 (0.39)	8,5 (0.33)	45 (1.79)	18 (0.71)	65 (2.56)	0,71 (1.56)



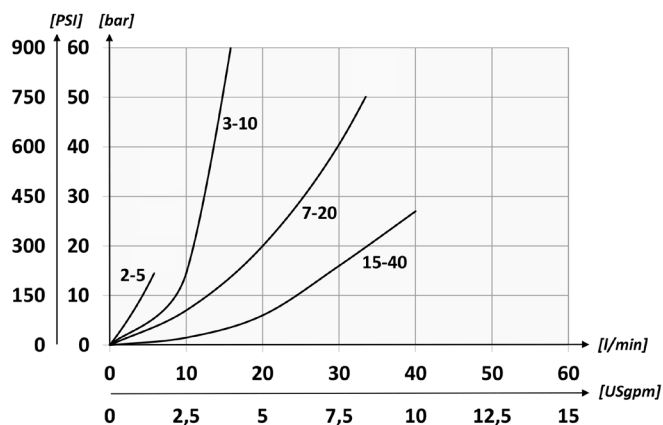
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	ISO 4406:1999 Classe 19/17/14	
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



技术参数 TECHNICAL CHARACTERISTICS

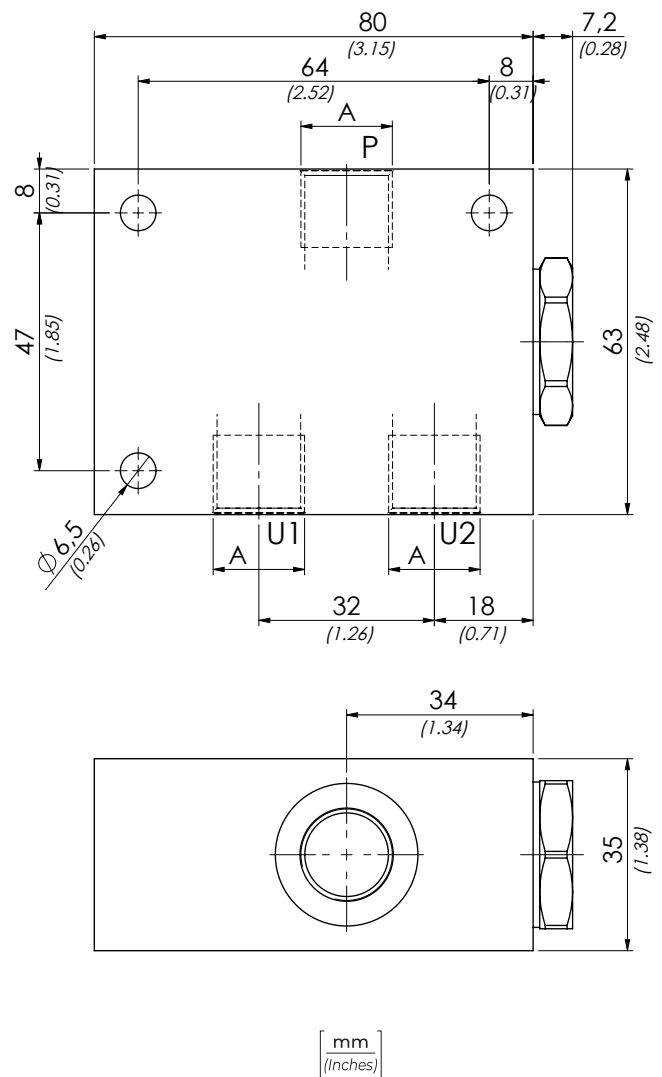
型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
DRF10	40 (10.6)	250 (3625)	0,52 (1.14)

选型

ORDERING CODE

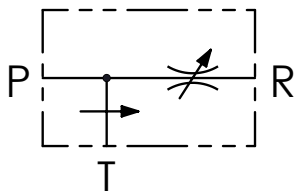
01	02	03	04
DRF10			

01	分流集流阀 (FLOW DIVIDER/COMBINER VALVES)	DRF10
02	进口流量 INLET FLOW RANGE (USGPM)	2-5 (0.5-1.3) 1
		3-10 (0.8-2.6) 2
		7-20 (1.8-5.2) 3
		15-40 (3.9-10.4) 4
03	P口 (PORT P)	BSPP 3/8 380
		BSPP 1/2 120
04	油口U1/U2 (PORT U1/U2)	BSPP 3/8 380
		BSPP 1/2 规格120





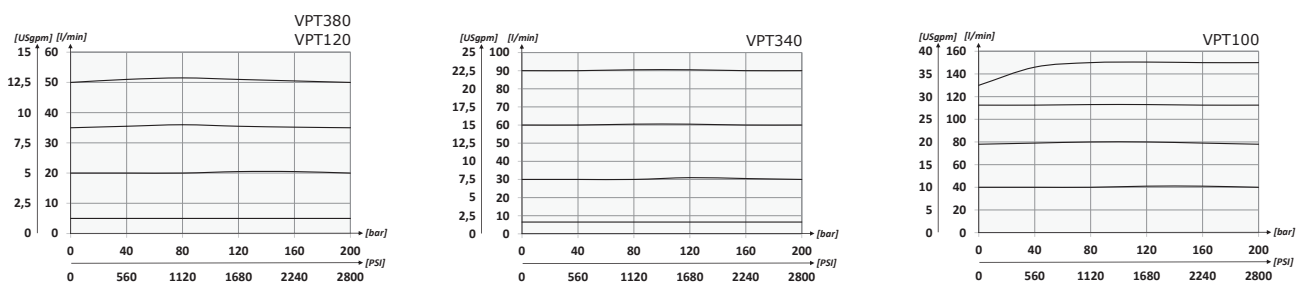
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



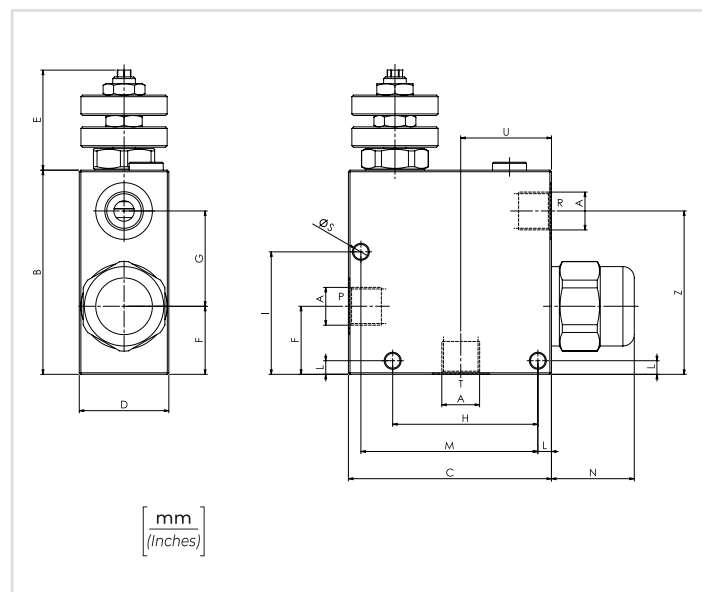
技术参数 TECHNICAL CHARACTERISTICS

规格 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	M	N	S	U	Z	重量 (kg) APPROX WEIGHT (lb)
VPT380	BSPP 3/8	50 (13.2)	250 (3625)	90 (3.54)	89,5 (35.24)	39,5 (15.55)	47,5 (1.87)	30 (1.18)	42 (1.65)	64 (2.52)	54 (2.13)	6 (0.24)	78 (3.07)	36,5 (1.44)	6,5 (0.26)	40 (1.57)	/	1,39 (3.06)
VPT120	BSPP 1/2	90 (23.8)																1,37 (3.02)
VPT340	BSPP 3/4	150 (39.6)		110 (4.33)	110 (4.33)	50 (1.97)	49,5 (1.95)	35 (1.38)	50 (1.97)	88 (3.46)	63,5 (2.50)	8,5 (0.33)	100 (3.70)	34,7 (1.37)	8,5 (0.33)	44 (1.73)	/	1,94 (4.28)
VPT100	BSPP 1	240 (63.4)					52,5 (2.07)	47 (1.85)	/	/	/	10 (0.39)	/	36,5 (1.44)	8,5 (0.33)	44 (1.73)	87 (3.45)	2,05 (4.52)

选型	01	02	03
ORDERING CODE	VPT		V
三通流量控制阀 (3 WAYS FLOW CONTROL VALVES - PRESSURE COMPENSATED, EXCEEDING FLOW TO TANK)			VPT
02	规格 (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	设置 (SETTING)	手轮 (Hand wheel)	V

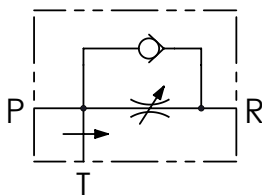
最大流量 MAX FLOW USGPM

50 L/MIN CON 30 L/MIN IN R (13,3 USGPM WITH 8 USGPM IN R)	380
80 L/MIN CON 50 L/MIN IN R (21,3 USGPM WITH 13,3 USGPM IN R)	120
150 L/MIN CON 80 L/MIN IN R (40 USGPM WITH 21,3 USGPM IN R)	340
240 L/MIN CON 150 L/MIN IN R (64 USGPM WITH 40 USGPM IN R)	100





液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

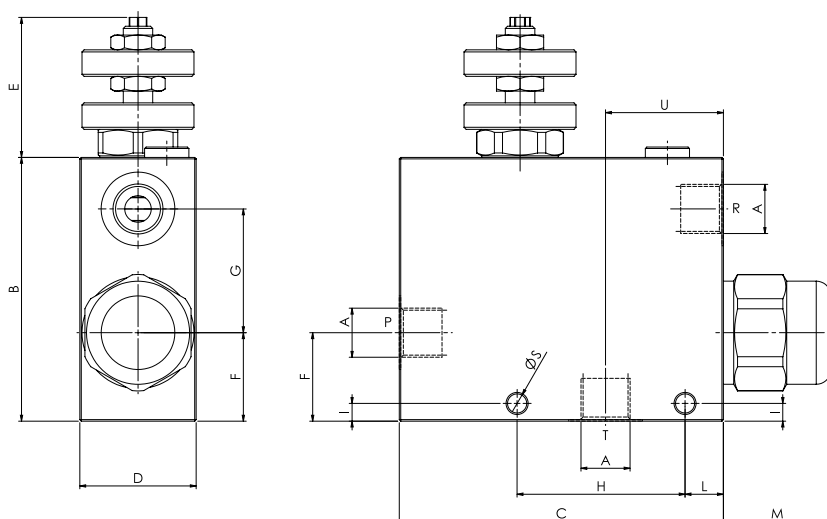
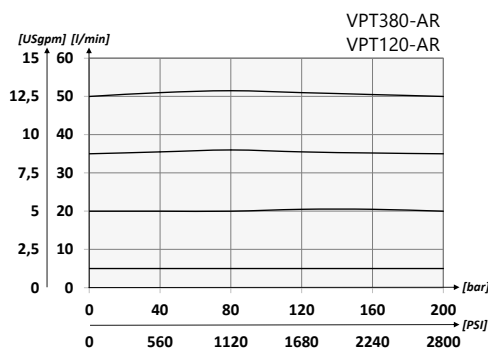
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

选型	01	02	03	04
ORDERING CODE	VPT		V	AR
01	三通单向流量控制阀 3 WAYS FLOW CONTROL VALVES - PRESSURE COMPENSATED, EXCEEDING FLOW TO TANK AND CHECK VALVE FOR FREE REVERSE FLOW			VPT
02	规格 (SIZE)	BSPP 3/8		380
		BSPP 1/2		120
03	设置 (SETTING)	设置 (Hand wheel)		V
04	Con valvola di ritegno per flusso inverso 带单向阀功能			AR

最大大流量 L/MIN - MAX FLOW USGPM

50 L/MIN CON 30 L/MIN IN R (13,3 USGPM WITH 8 USGPM IN R)	380
80 L/MIN CON 50 L/MIN IN R (21,3 USGPM WITH 13,3 USGPM IN R)	120

性能曲线

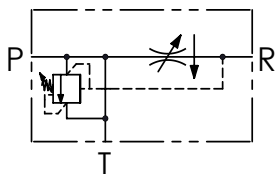
[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

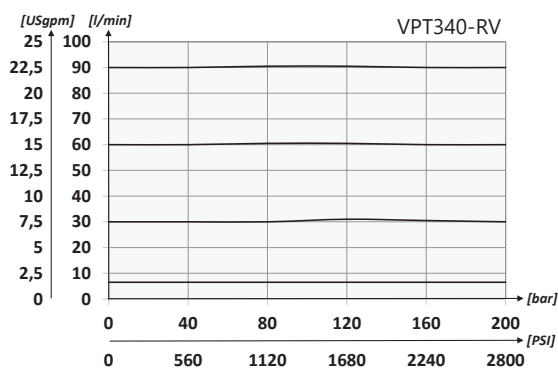
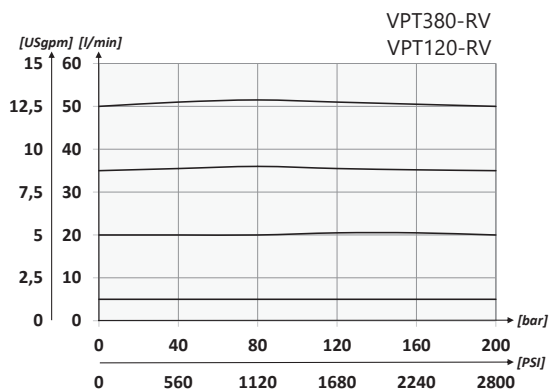
型号 CODE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	M	S	U	重量 APPROX WEIGHT kg-lbt
VPT380-AR	BSPP 3/8	50 (13.2)	250 (3625)	89,5 (3.52)	110 (4.33)	39,5 (15.55)	47,5 (1.87)	30 (1.18)	42 (1.65)	57 (2.24)	6 (0.24)	13 (0.50)	36,5 (1.44)	6,5 (0.26)	40 (1.57)	1,60 (3.52)
VPT120-AR	BSPP 1/2	90 (23.8)														1,61 (3.54)



液压符号 HYDRAULIC CIRCUIT



性能曲线



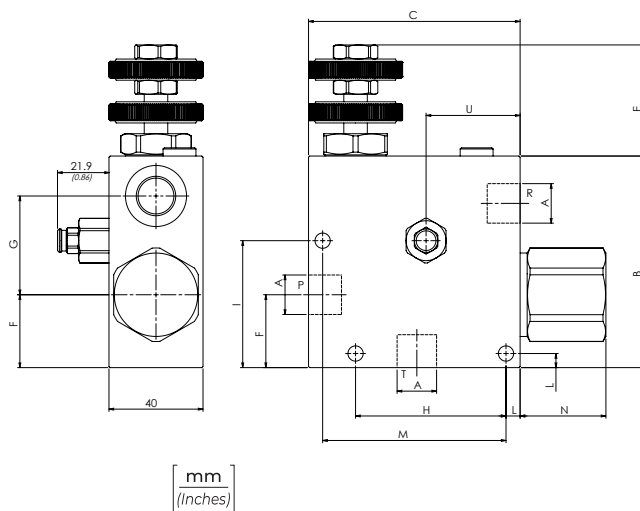
选型

ORDERING CODE

	01	02	03	04
	VPT		V	RV
01	三通流量控制阀（带溢流功能） (3 WAYS FLOW CONTROL VALVES - PRESSURE COMPENSATED, EXCEEDING FLOW TO TANK AND RELIEF VALVE)			VPT
02	规格 (SIZE)	BSPP 3/8	380	
		BSPP 1/2	120	
		BSPP 3/4	340	
03	设置 (SETTING)	手轮 (Hand wheel)	V	
04	溢流阀调压范围 - Relief valve (10/250 bar - 145/3625 PSI)			RV

最大流量 L/MIN - MAX FLOW USGPM

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
80 l/min con 50 l/min in R (21,3 USgpm with 13,3 USgpm in R)	120
150 l/min con 80 l/min in R (40 USgpm with 21,3 USgpm in R)	340



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	M	N	S	U	重量 (kg) APPROX WEIGHT (lb)
VPT380-RV	BSPP 3/8	50 (13.2)	250 (3625)	90 (3.54)	90 (3.54)	40 (1.57)	47,5 (1.87)	31 (1.22)	42 (1.65)	64 (2.52)	54 (2.13)	6 (0.24)	78 (3.07)	36,5 (1.44)	6,5 (0.26)	40 (1.57)	1,15 (2.54)
VPT120-RV	BSPP 1/2	90 (23.8)		110 (4.33)	110 (4.33)	50 (1.97)	49,5 (1.95)	35 (1.38)	50 (1.97)	88 (3.46)	63,5 (2.50)	8 (0.31)	94 (3.70)	34,7 (1.37)	8,5 (0.33)	44 (1.73)	1,94 (4.28)
VPT340-RV	BSPP 3/4	150 (39.6)		110 (4.33)	110 (4.33)	50 (1.97)	49,5 (1.95)	35 (1.38)	50 (1.97)	88 (3.46)	63,5 (2.50)	8 (0.31)	94 (3.70)	34,7 (1.37)	8,5 (0.33)	44 (1.73)	1,94 (4.28)



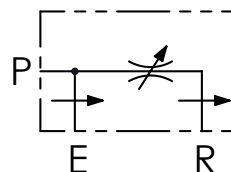
选型

ORDERING CODE

01	02	03
VPP		V

01	三通流量控制阀 (3 WAYS FLOW CONTROL VALVES - PRESSURE COMPENSATED, EXCEEDING FLOW TO PRESSURE)		VPP
02	规格 (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
03	设置 (SETTING)	手轮 (Hand wheel)	V

液压符号 HYDRAULIC CIRCUIT

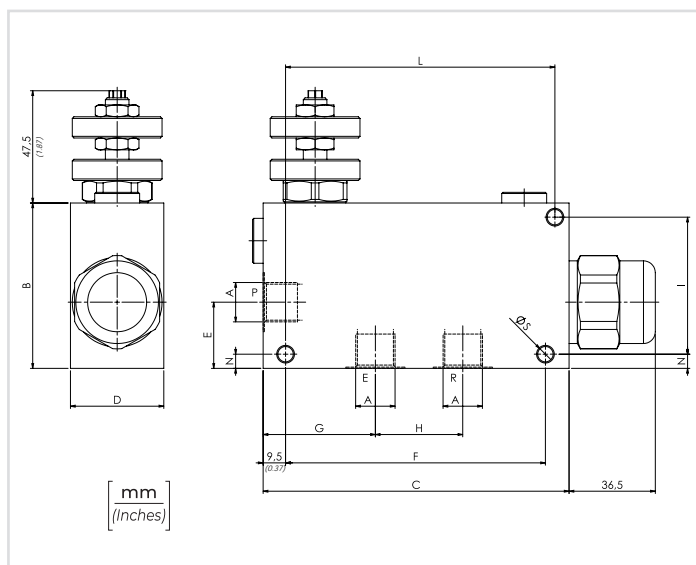


最大参数 TECHNICAL DATA

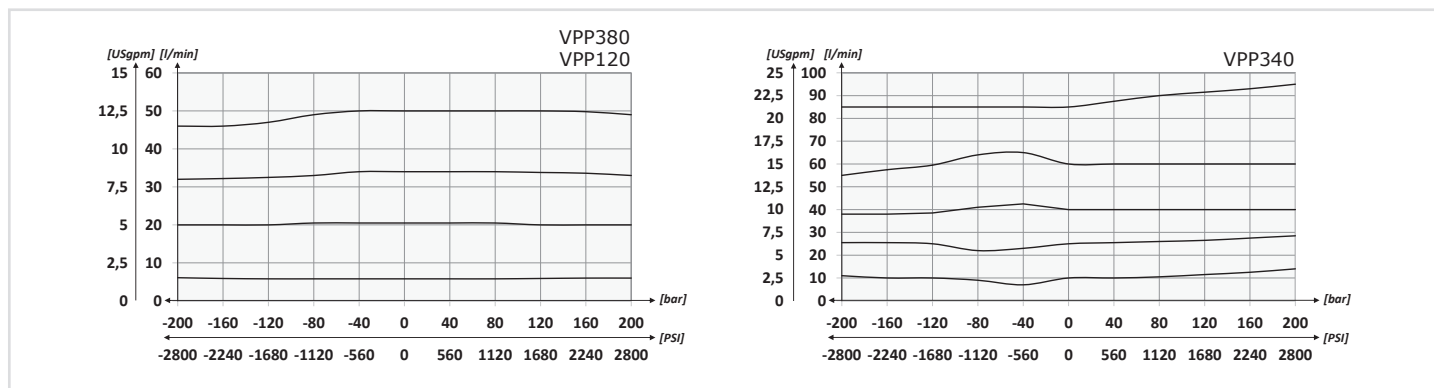
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

最大流量 L/MIN - MAX FLOW USGPM

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
90 l/min con 50 l/min in R (24 USgpm with 13,3 USgpm in R)	120
150 l/min con 80 l/min in R (40 USgpm with 21,3 USgpm in R)	340

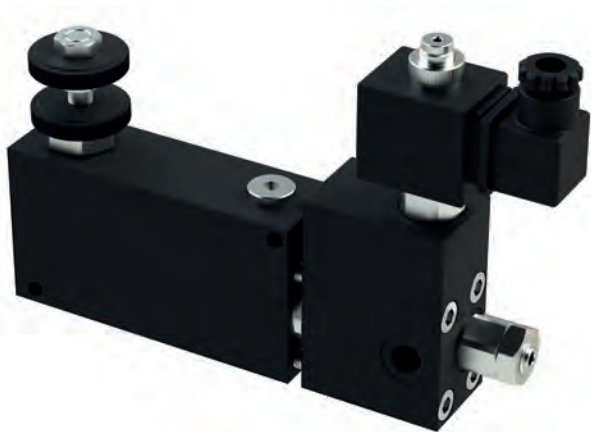


性能曲线



技术参数 TECHNICAL CHARACTERISTICS

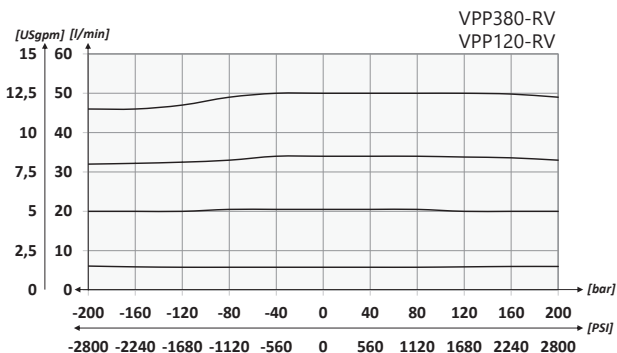
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	N	S	重量 (kg) APPROX WEIGHT (lbt)
VPP380	BSPP 3/8	50 (13.2)	250 (3625)	70 (2.76)	129,5 (50.98)	39,5 (15.55)	28 (1.10)	110 (4.33)	47 (18.70)	37 (1.46)	58 (2.28)	114 (4.49)	6 (0.24)	6,5 (0.26)	1,54 (3.39)
VPP120	BSPP 1/2	90 (23.8)													1,52 (3.35)
VPP340	BSPP 3/4	150 (39.6)		90 (3.54)	155 (6.10)	50 (1.97)	35 (1.38)	/	57 (2.24)	44 (1.73)	74 (2.91)	135 (5.31)	8 (0.31)	8,5 (0.33)	2,48 (5.46)



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线



01 02 03 04 05 06 07

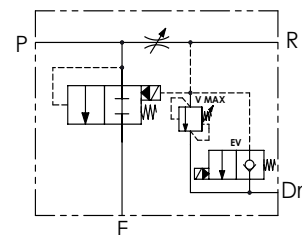
选型

ORDERING CODE

VPP	V	RV				
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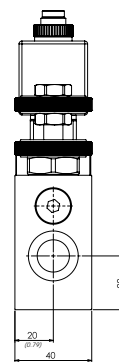
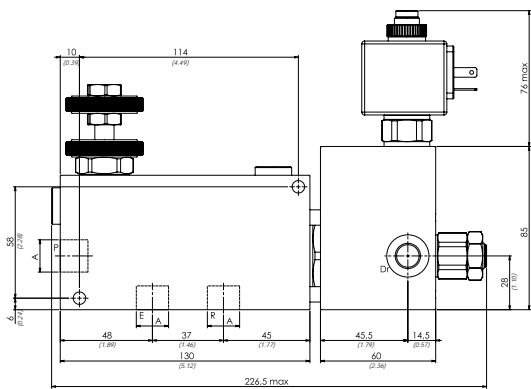
01	三通流量控制阀（带电磁溢流阀） 3 WAYS FLOW CONTROL VALVES - PRESSURE COMPENSATED, EXCEEDING FLOW TO PRESSURE, RELIEF VALVE AND ELECTRICAL UNLOADER VALVE				VPP
02	规格 (SIZE)	BSPP 3/8			380
		BSPP 1/2			120
03	设置 (SETTING)	手柄 (Hand wheel)			V
04	溢流阀 (Relief valve)				RV
05	溢流阀压力设定 (RELIEF VALVE) V MAX	不设定 (Plug)			0
		VMD1NC1	弹簧 (Spring) 10/40 bar (145/580PSI)		1
		VMD1NC2	弹簧 (Spring) 20/110 bar (290/1595 PSI)		2
		VMD1NC3	弹簧 (Spring) 30/210 bar (435/3045 PSI)		3
		VMD1NC4	弹簧 (Spring) 40/350 bar (580/5075 PSI)		4
06	电磁阀 (ELECTRICAL VALVE) EV	不设定 (Plug)			0
		EVC7 (Normally closed) 常闭			C
		EVA7 (Normally open) 常开			A
		EVE7 (Normally closed + Emergency) 常闭+紧急控制			E
07	线圈 (COIL) EV	不含 (Without coil)			
		12 V (DC)			12
		24 V (DC)			24
		220 V (RAC)			220

液压符号 HYDRAULIC CIRCUIT



最大流量 L/MIN - MAX FLOW USGPM

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
90 l/min con 50 l/min in R (24 USgpm with 13,3 USgpm in R)	120

[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

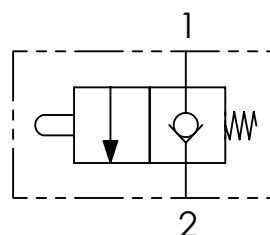
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 APPROX WEIGHT WITHOUT VALVES (lb)
VPP380-RV	BSPP 3/8	50 (13.2)	250 (3625)	2,25 (4.97)
VPP120-RV	BSPP 1/2	90 (23.8)		



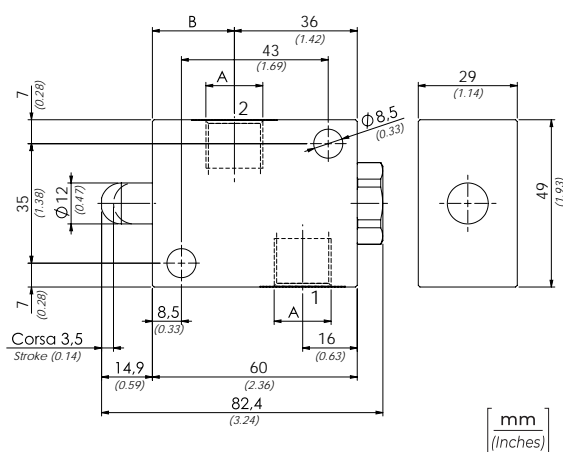
选型	01	02
ORDERING CODE	FCM	

01	常闭 行程阀 (NORMALLY CLOSED END - STROKE VALVES)	FCM
02	规格 (SIZE)	BSPP 1/4 140N
		BSPP 3/8 380N
		BSPP 1/2 120N

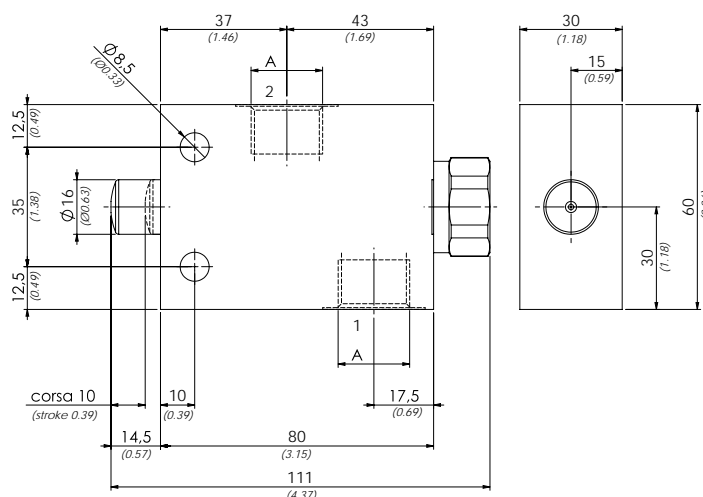
液压符号 HYDRAULIC CIRCUIT



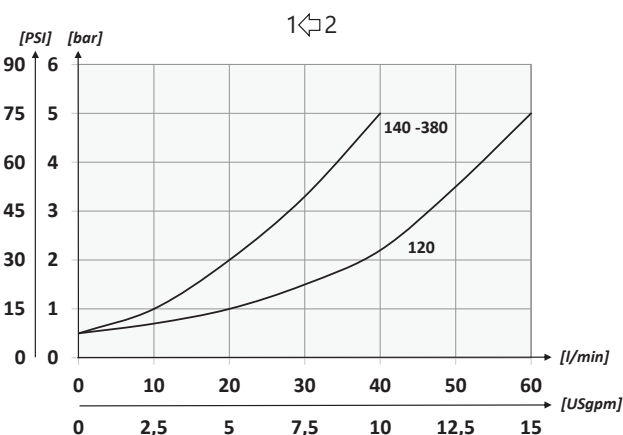
FCM140N - FCM380N



FCM120N



性能曲线

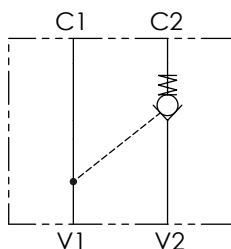


技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	B	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
FCM140N	BSPP 1/4	26,5 (1.04)	40 (10.6)	350 (5075)	0,53 (1.16)
FCM380N	BSPP 3/8	24 (0.94)			0,50 (1.10)
FCM120N	BSPP 1/2	/	60 (15.8)	300 (4350)	1,01 (2.22)



矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14	
Max contamination index with filter			
油液温度	- Oil temperature	-20°C +80°C	-4°F + 176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F + 122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器）			
It is necessary a filter use to protect the valve (advised filtration 15 µm)			
最大泄漏量		0,25 cm³/min - 5 gocce/min	
Max leakage		0,015 in³/min - 5 drops/min	

ORDERING CODE

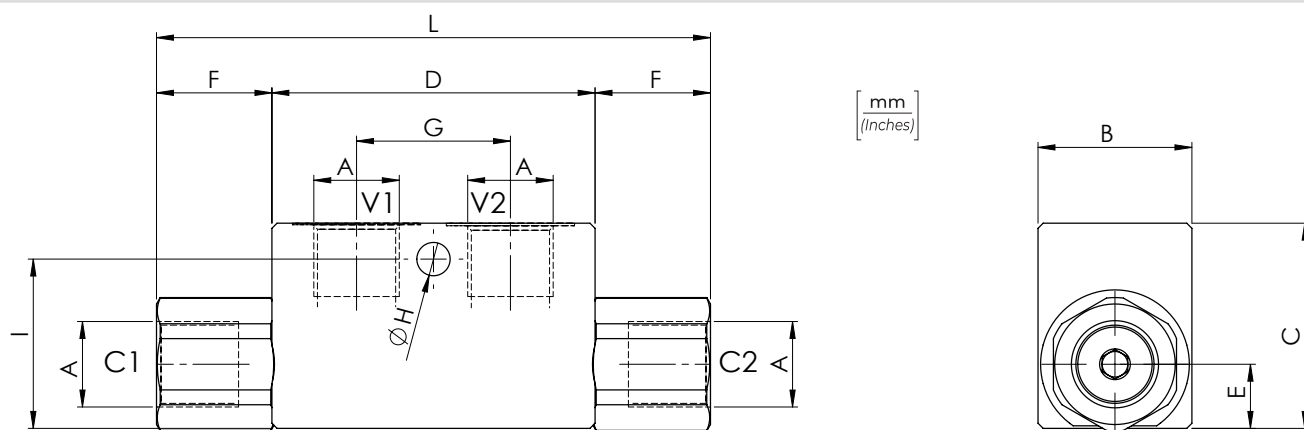
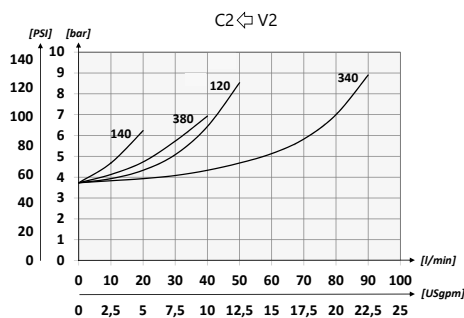
02

VRSE

01	液控单向阀 (SINGLE ACTING PILOT CHECK VALVES)		VRSE
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340

Performance chart for V2 C2. The chart shows the relationship between pressure (PSI/bar) and flow rate (l/min and USgpm) for different temperatures (120, 140, 340, 380). The pressure increases with flow rate and temperature. The chart includes a grid and a legend for the different temperatures.

Flow Rate (l/min)	Flow Rate (USgpm)	Pressure (PSI) at 120	Pressure (PSI) at 140	Pressure (PSI) at 340	Pressure (PSI) at 380
0	0	0	0	0	0
10	2.5	10	15	20	25
20	5	20	30	40	50
30	7.5	30	45	60	80
40	10	40	60	80	110
50	12.5	50	75	100	140
60	15	60	90	120	170
70	17.5	70	105	140	200
80	20	80	120	160	230
90	22.5	90	135	180	260



型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	重量 APPROX WEIGHT kg-lbt	先导比 PILOT RATIO
VRSE140	BSPP 1/4	15 (4)	350 (5075)	30 (1.18)	40 (1.57)	63 (2.48)	12,5 (0.49)	22,5 (0.89)	30 (1.18)	6,5 (0.26)	33 (1.30)	108 (4.25)	0,64 (1.41)	1:4
VRSE380	BSPP 3/8	35 (9.2)											0,59 (1.30)	
VRSE120	BSPP 1/2	45 (11.9)											1,08 (2.38)	
VRSE340	BSPP 3/4	70 (18.5)											2 (4.41)	



选型

ORDERING CODE

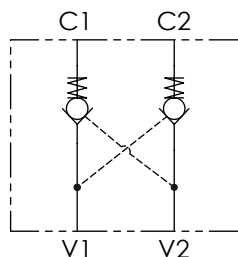
01

02

VRDE

01	双向液控单向阀 (DOUBLE ACTING PILOT CHECK VALVES)		VRDE
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340

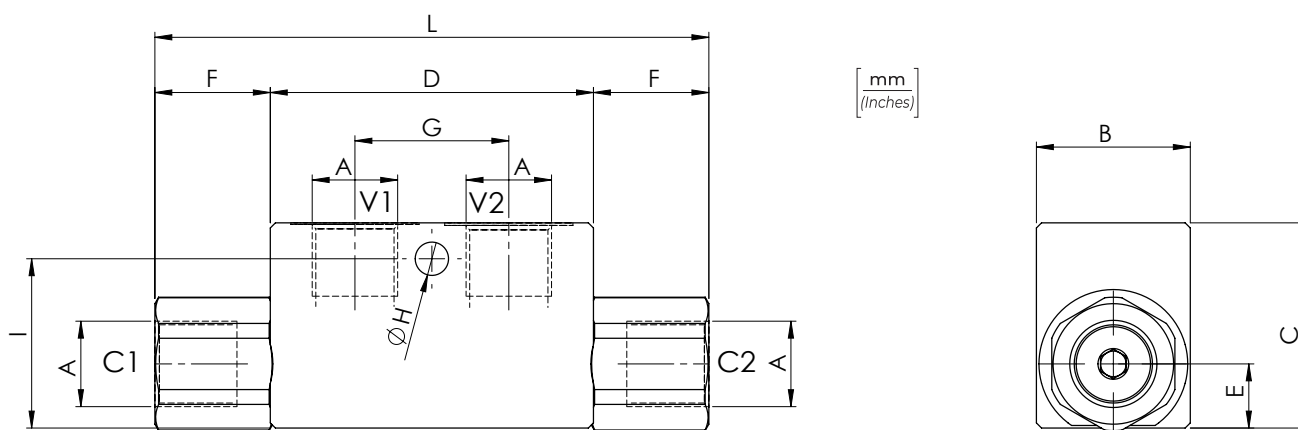
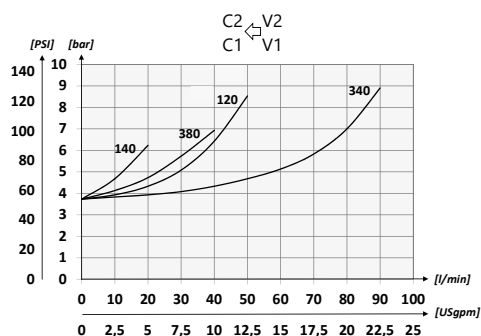
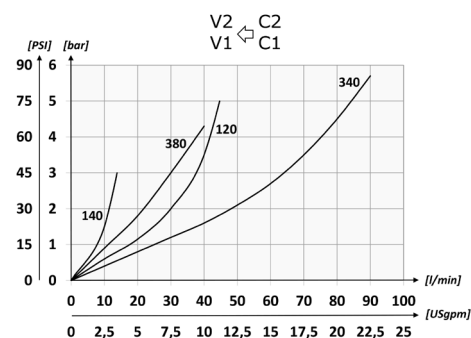
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量 Max leakage		0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

性能曲线

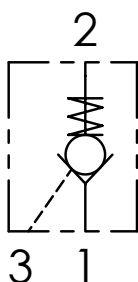


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	最大重量 APPROX WEIGHT kg-lbt	先导比 PILOT RATIO
VRDE140	BSPP 1/4	15 (4)	350 (5075)	30 (1.18)	40 (1.57)	63 (2.48)	12,5 (0.49)	22,5 (0.89)	30 (1.18)	6,5 (0.26)	33 (1.30)	108 (4.25)	0,64 (1.41)	1:4
VRDE380	BSPP 3/8	35 (9.2)											0,60 (1.32)	
VRDE120	BSPP 1/2	45 (11.9)		35 (1.38)	50 (1.97)	82 (3.23)	16,5 (0.65)	31,5 (1.24)	36 (1.42)		35 (1.38)	145 (5.71)	1,10 (2.42)	
VRDE340	BSPP 3/4	70 (18.5)		40 (1.57)	60 (2.36)	100 (3.94)	22,5 (0.89)	46 (1.81)	50 (1.97)	8,5 (0.33)	50 (1.97)	192 (7.56)	2 (4.40)	1:2.9



液压符号 HYDRAULIC CIRCUIT



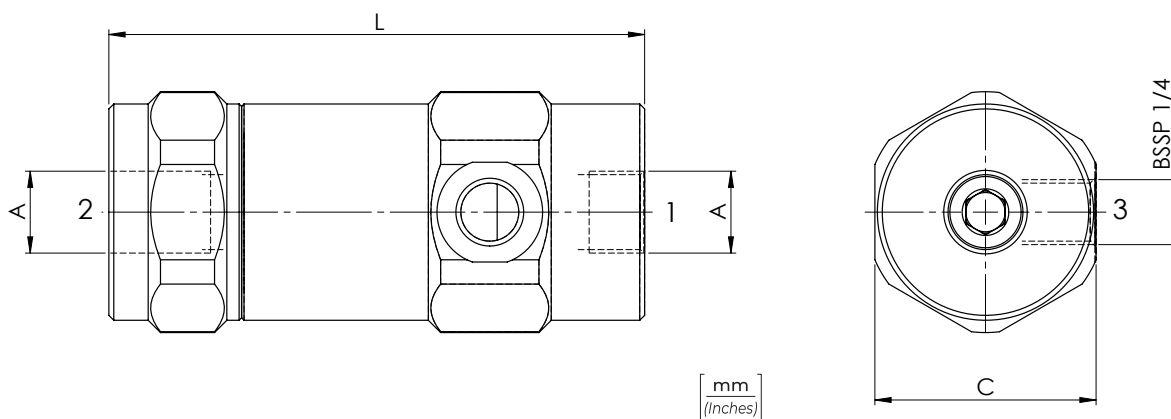
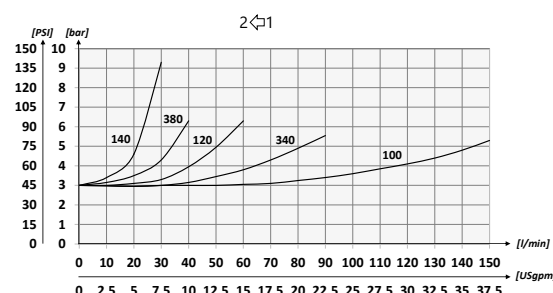
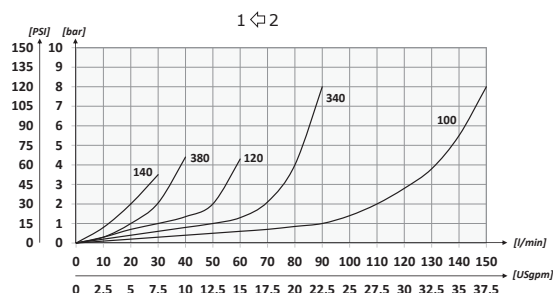
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

选型	01	02
ORDERING CODE	VRPE	

01	V	液控单向阀 (SINGLE ACTING PILOT CHECK VALVES)	VRPE
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100

性能曲线



技术参数 TECHNICAL CHARACTERISTICS

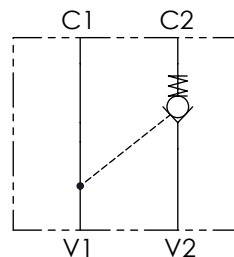
TIPO TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	L	C	重量 (kg) APPROX WEIGHT (lbt)	先导比 PILOT RATIO
VRPE140	BSPP 1/4	25 (6.6)	350 (5075)	96 (3.78)	40 (1.57)	0,84 (1.85)	1:5.3
VRPE380	BSPP 3/8	40 (10.6)		109 (4.29)	45 (1.77)	1,14 (2.51)	1:4.4
VRPE120	BSPP 1/2	60 (15.9)		122 (4.80)		1,24 (2.73)	1:4.2
VRPE340	BSPP 3/4	100 (26.4)	300 (4350)	132 (5.20)	55 (2.17)	1,87 (4.12)	1:4
VRPE100	BSPP 1	150 (39.6)		166 (6.54)	65 (2.56)	3,22 (7.10)	1:4.1



选型	01	02
ORDERING CODE	VRP	

01	单向液控单向阀 (SINGLE ACTING PILOT CHECK VALVES)		VRP
02	规格 (SIZE)	BSPP 3/8	380
		BSPP 1/2	120

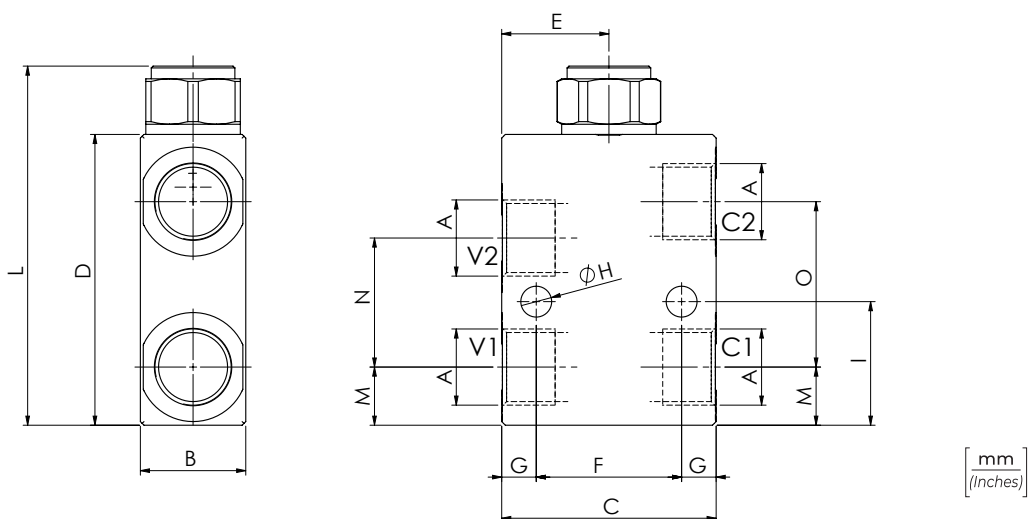
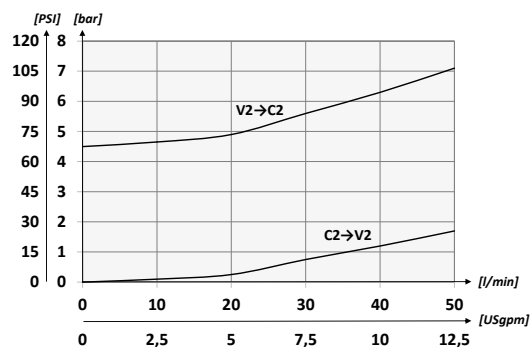
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量 Max leakage		0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

性能参数

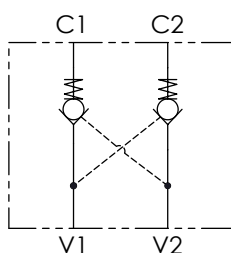


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	M	N	O	重量 APPROX WEIGHT kg-lbt	先导率 PILOT RATIO
VRP380	BSPP 3/8	35 (9.2)	350 (5075)	29 (1.14)	59 (2.32)	80 (3.5)	29,5 (1.16)	40 (1.57)	9,5 (0.37)	8,5 (0.33)	31,75 (1.25)	99 (3.70)	15 (0.59)	33,50 (1.32)	50 (1.97)	0,9 (2)	1:4
VRP120	BSPP 1/2	50 (13.2)									34 (1.34)		16 (0.63)	35,50 (1.40)	45,5 (1.79)		



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

选型

ORDERING CODE

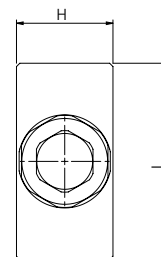
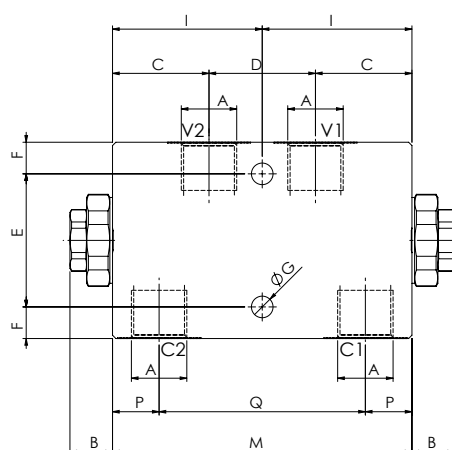
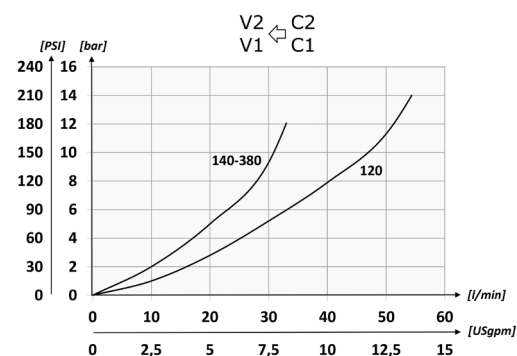
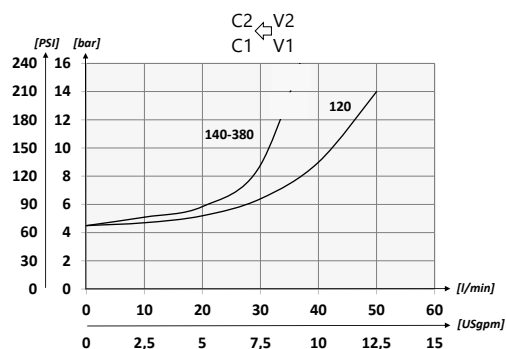
01

02

VRDL

01	双向液控单向阀 (DOUBLE ACTING PILOT CHECK VALVES)	VRDL
02	规格 (SIZE)	BSPP 1/4
		BSPP 3/8
		BSPP 1/2

性能曲线



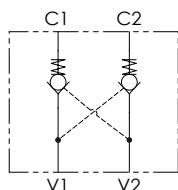
[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	I	L	M	P	Q	重量 APPROX WEIGHT kg-lbt	先导率 PILOT RATIO
VRDL140N	BSPP 1/4	35 (9.2)	350 (5075)	13 (0.51)	29 (1.14)	32 (1.26)	40 (1.57)	9,5 (0.37)	6,5 (0.26)	29 (1.14)	45 (1.77)	59 (2.32)	90 (3.54)	14 (0.55)	62 (2.44)	1,18 (2.60)	1:7
VRDL380N	BSPP 3/8			14,8 (0.58)	38 (1.50)	34 (1.34)		14,5 (0.57)	8,5 (0.33)	34 (1.34)	55 (2.17)	69 (2.72)	110 (4.33)	20,5 (0.81)	69 (2.72)	1,10 (2.42)	
VRDL120N	BSPP 1/2	50 (13.2)														1,77 (3.90)	



液压符号 HYDRAULIC CIRCUIT

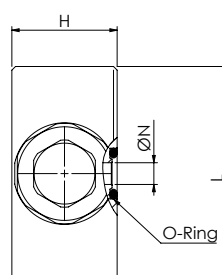
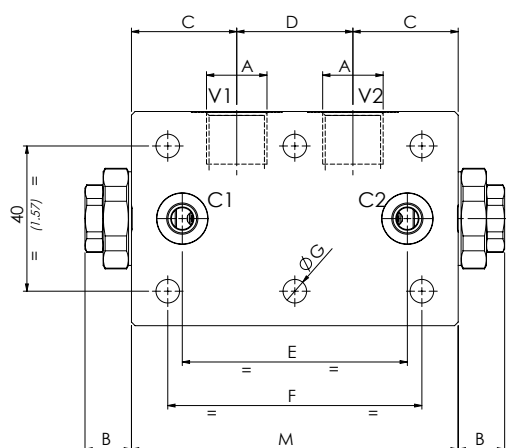
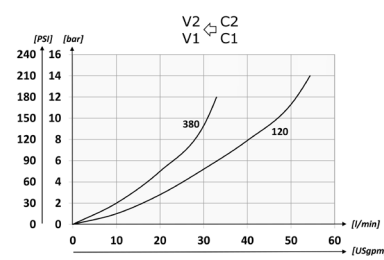
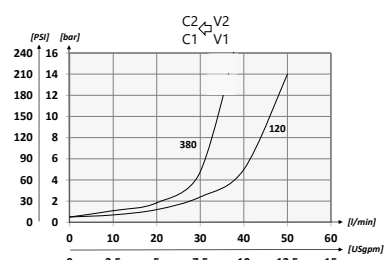


技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

选型	01	02	03	04	05
ORDERING CODE	VRDF				
01 双向液控单向阀 (DOUBLE ACTING PILOT CHECK VALVES - FLANGED VERSION)	VRDF				380
02 选型 (SIZE)	BSPP 3/8				120
03 弹簧 (SPRING)	1 bar (14.5 PSI)				6
04 是否附带O型圈 (O-RING ON PILOT PISTON)	无O型圈 (without o-ring)				1
05 先导率 (PILOT RATIO)	1:3,2 solo per dimensione 120 (only for size 120)				70

性能曲线



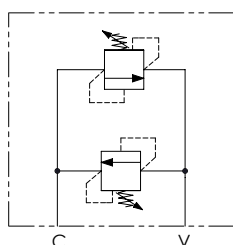
mm
Inches

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	O-RING	重量 APPROX WEIGHT kg-lbt	先导率 PILOT RATIO
VRDF380	BSPP 3/8	35 (9.2)	350 (5075)	12,8 (0.50)	29 (1.94)	32 (1.26)	62 (2.44)	70 (2.76)	6.5 (0.26)	34 (1.34)	59 (2.32)	90 (3.54)	Ø 6 (0.24)	9,19x2,62	1,11 (2.44)	1:7
VRDF120	BSPP 1/2	50 (13.2)		14.8 (0.58)	38 (1.50)	34 (1.34)	65 (2.56)	80 (3.15)	8.5 (0.33)		69 (2.72)	110 (4.33)	Ø 7 (0.28)	15,08x2,62	1,85 (4)	1:3,2 1:7



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大流量 MAX PRESSURE bar-PSI	B	C	重量 APPROX WEIGHT kg-lbt	阀类型 TYPE OF VALVE
DCA140	BSPP 1/4	20 (5.3)	350 (5075)	22 (0.87)	6 (0.24)	0.8 (1.8)	VMDIN
DCA380	BSPP 3/8			20 (0.79)	10 (0.39)		

选型

ORDERING CODE

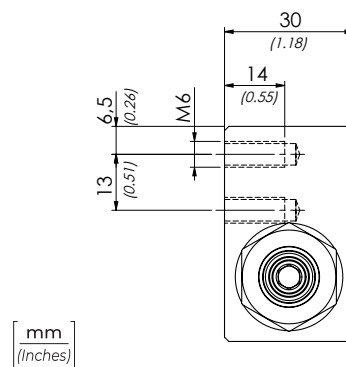
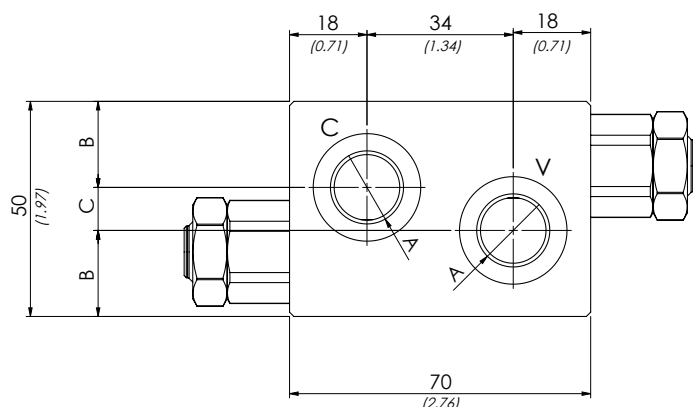
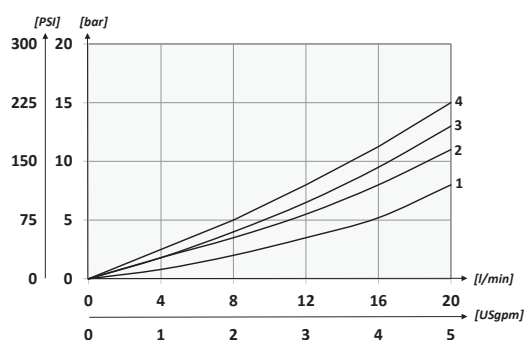
01	02	03
DCA		

01	双向溢流阀 (DOUBLE CROSS LINE DIRECT ACTING RELIEF VALVES)	DCA
02	规格 (SIZE)	BSPP 1/4 140
		BSPP 3/8 380
03	弹簧 (SPRING) 10/40 bar (145/580PSI) max	20 bar/al giro (290 PSI/turn) 1
	弹簧 (SPRING) 20/110 bar (290/1595 PSI) max	40 bar/al giro (580 PSI/turn) 2
	弹簧 (SPRING) 30/210 bar (435/3045 PSI) max	70 bar/al giro (1015 PSI/turn) 3
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	130 bar/al giro (1885 PSI/turn) 4

技术参数 TECHNICAL DATA

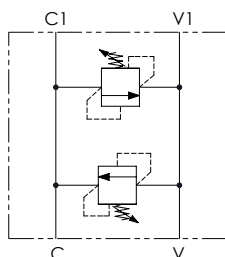
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线

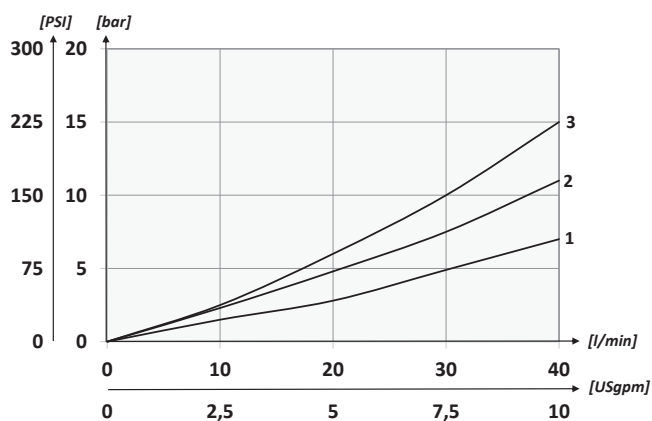




液压符号 HYDRAULIC CIRCUIT

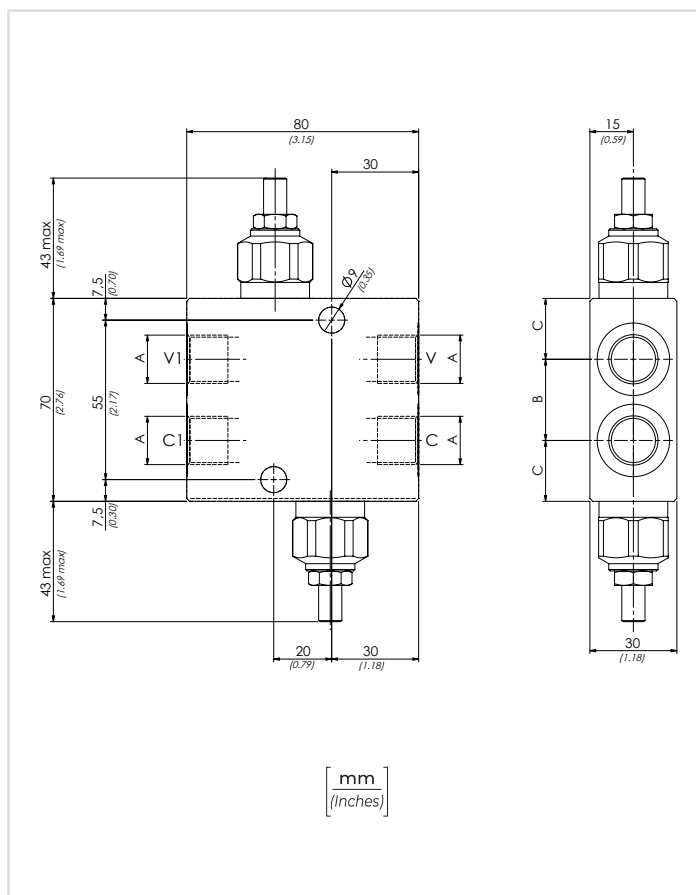


性能曲线



型号	01	02	03
ORDERING CODE	VBDC		

01	双向溢流阀 (DOUBLE CROSS LINE DIRECT ACTING RELIEF VALVES)	VBDC
02	规格 (SIZE)	BSPP 3/8
		BSPP 1/2
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	12 bar/al giro (174 PSI/turn)
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	33 bar/al giro (479 PSI/turn)
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	70 bar/al giro (1015 PSI/turn)

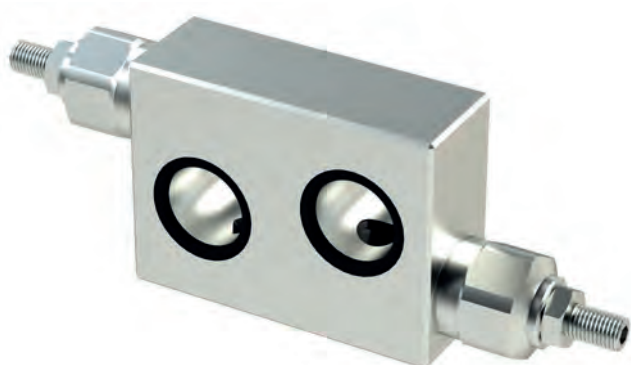


技术参数 TECHNICAL DATA

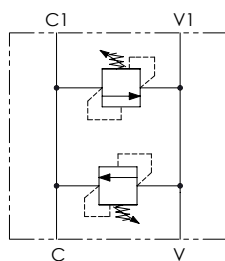
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	重量 APPROX WEIGHT kg-lbt	阀类型 TYPE OF VALVE
VBDC380	BSPP 3/8	40 (10.6)	350 (5075)	28 (1.10)	21 (0.83)	1,18 (2.60)	VMD40S
VBDC120	BSPP 1/2			33 (1.30)	18,5 (0.73)	1,12 (2.47)	



液压符号 HYDRAULIC CIRCUIT



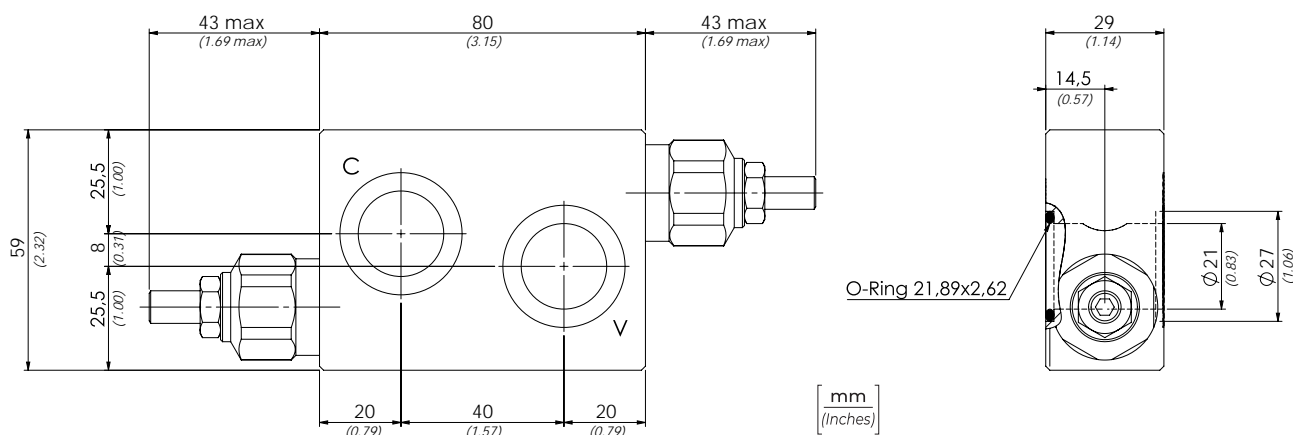
型号	01	02	03
ORDERING CODE	DCL	120	

01	双向溢流阀 (DOUBLE CROSS LINE DIRECT ACTING RELIEF VALVES)	DCL
02	规格 (SIZE)	120
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	3

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F

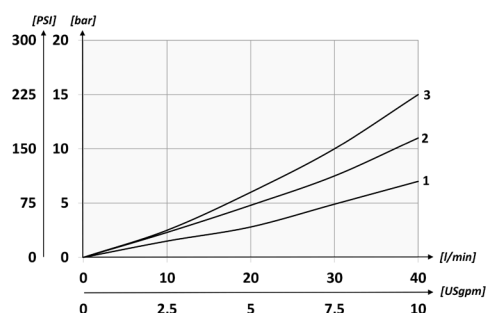
使用带过滤器的系统是必要的 (推荐使用15um过滤器)
It is necessary a filter use to protect the valve (advised filtration 15 µm)



技术参数 TECHNICAL CHARACTERISTICS

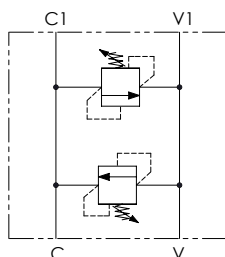
规格 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大流量 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt	阀类型 TYPE OF VALVE
DCL120	Ø 21 (BSPP 1/2)	40 (10.6)	350 (5075)	0,96 (2.11)	VMD40S

性能曲线





液压符号 HYDRAULIC CIRCUIT



选型

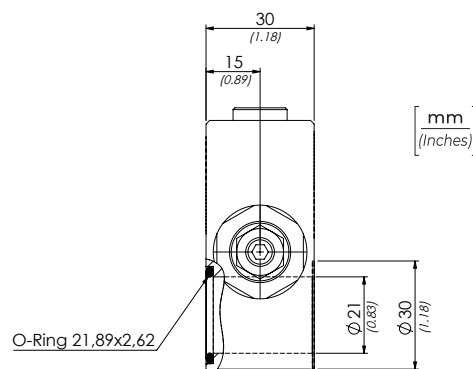
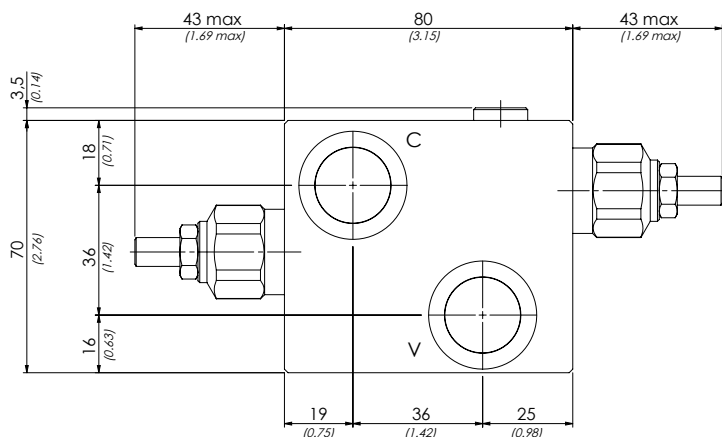
ORDERING CODE

01	02	03
DCV	120	

01	双向溢流阀 (DOUBLE CROSS LINE DIRECT ACTING RELIEF VALVES)	DCV
02	规格 (SIZE)	120
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	3

技术参数 TECHNICAL DATA

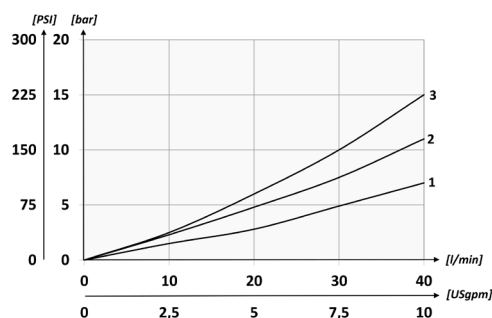
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



技术参数 TECHNICAL CHARACTERISTICS

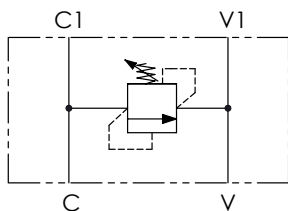
规格 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX FLOW l/min-USgpm	流量 APPROX WEIGHT kg-lbt	阀型号 TYPE OF VALVE
DCV120	Ø 21 (BSPP 1/2)	40 (10.6)	350 (5075)	1,2 (2.7)	VMD40S

性能曲线





技术参数 HYDRAULIC CIRCUIT

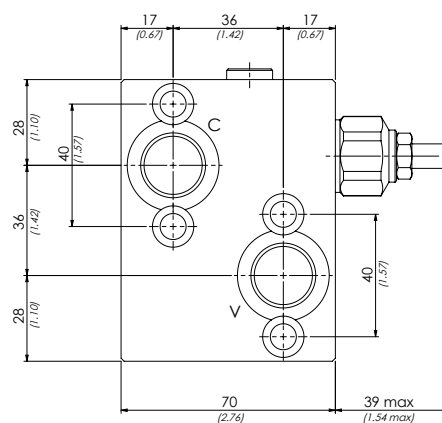
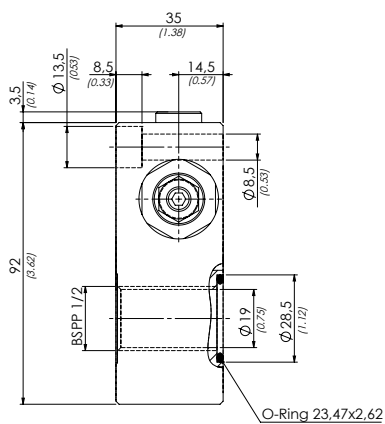


选型	01	02	03
ORDERING CODE	SCF	120	

01	单向溢流阀 (SINGLE LINE DIRECT ACTING RELIEF VALVES)	SCF
02	规格 (SIZE)	120
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	3

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

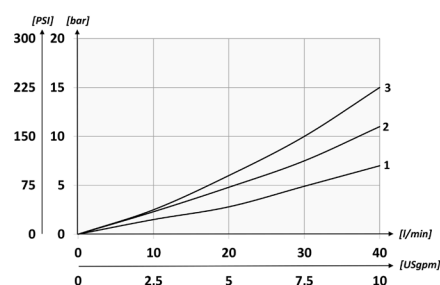


[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt	阀类型 TYPE OF VALVE
SCF120	BSPP 1/2	40 (10.6)	350 (5075)	1,65 (3.63)	VMD40S

性能曲线

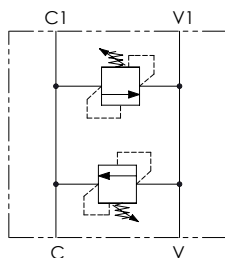




型号	01	02	03
ORDERING CODE	DCF		

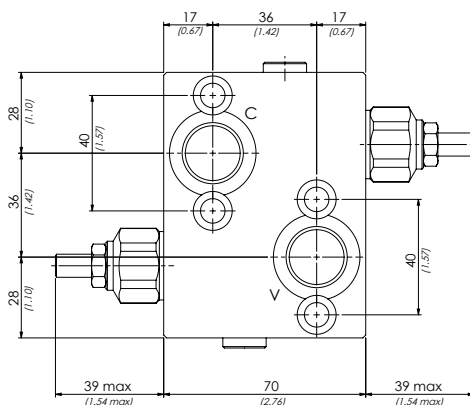
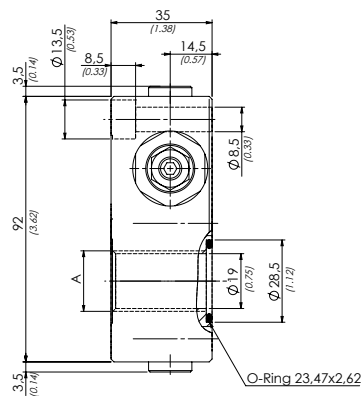
01	双向溢流阀 (DOUBLE CROSS LINE DIRECT ACTING RELIEF VALVES)		DCF
02	规格 (SIZE)	BSPP 1/2	120
03	弹簧 (SPRING) 10/40 bar (145/580 PSI) max	12 bar/al giro (174 PSI/turn)	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	33 bar/al giro (479 PSI/turn)	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	70 bar/al giro (1015 PSI/turn)	3

液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

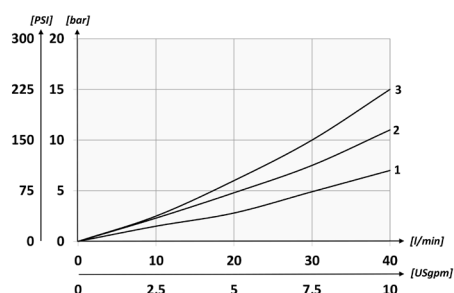


mm
(inches)

技术参数 TECHNICAL CHARACTERISTICS

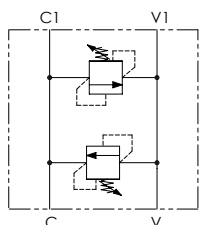
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt	阀类型 TYPE OF VALVE
DCF120	BSPP 1/2	40 (10.6)	350 (5075)	1,5 (3.3)	VMD40S

性能曲线





液压符号 HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

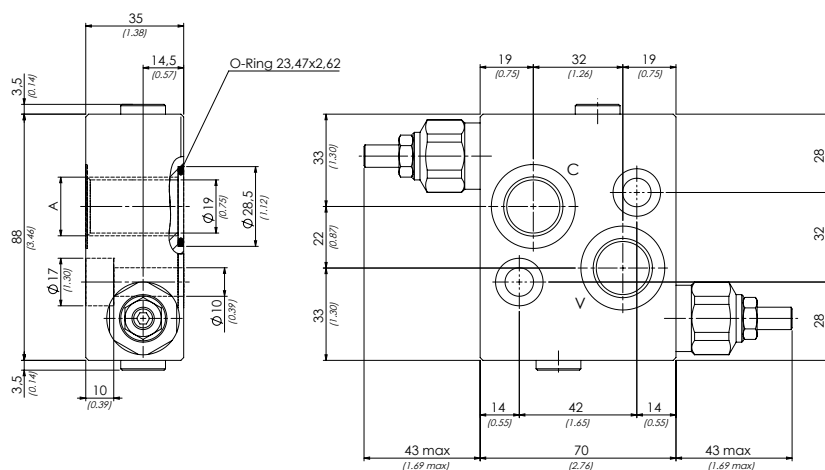
03

DCM

01	双向溢流阀 (DOUBLE CROSS LINE DIRECT ACTING RELIEF VALVES)	DCM
02	规格 (SIZE)	BSPP 1/2
03	弹簧 (SPRING) 10/40 bar (145/580 PSI) max	12 bar/al giro (174 PSI/turn)
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	33 bar/al giro (479 PSI/turn)
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	70 bar/al giro (1015 PSI/turn)

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

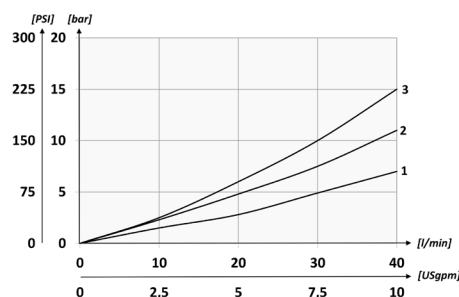


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技术参数 TECHNICAL CHARACTERISTICS

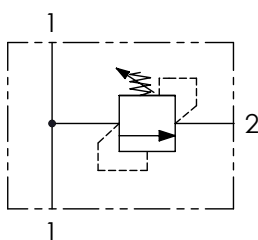
型号 TYPE	A	最大流量 MAX FLOW l/min-U- Sgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt	阀类型 TYPE OF VALVE
DCM120	BSPP 1/2	40 (10.6)	350 (5075)	1,45 (3.20)	VMD40S

性能曲线





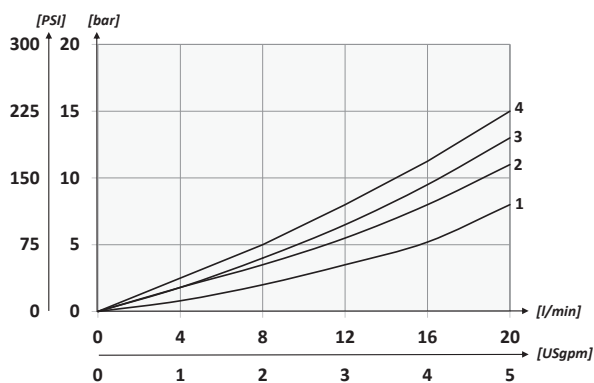
液压符号 HYDRAULIC CIRCUIT



选型	01	02	03	04
ORDERING CODE	VMDR1		C	

01	溢流阀 (DIRECT ACTING PRESSURE RELIEF VALVES)	VMDR1	
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
03	设置 (SETTING)	手柄 (Screw)	C
04	弹簧 (SPRING) 10/40 bar (145/580PSI) max	20 bar/al giro (290 PSI/turn)	1
	弹簧 (SPRING) 20/110 bar (290/1595 PSI) max	40 bar/al giro (580 PSI/turn)	2
	弹簧 (SPRING) 30/210 bar (435/3045 PSI) max	70 bar/al giro (1015 PSI/turn)	3
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	130 bar/al giro (1885 PSI/turn)	4

性能曲线



技术参数 TECHNICAL DATA

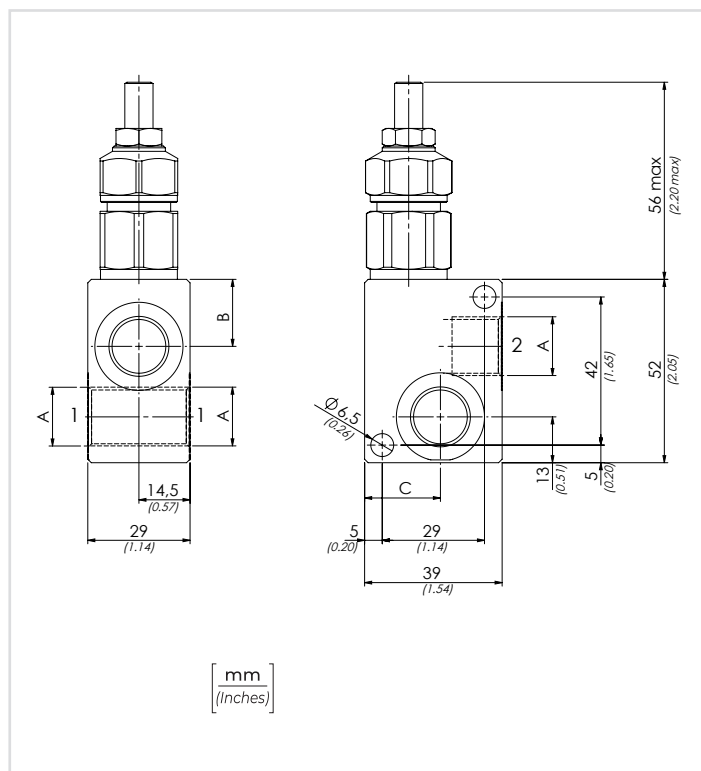
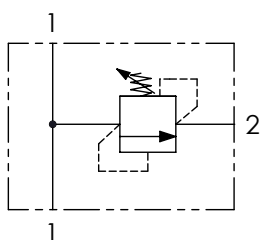
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	重量 (kg) APPROX WEIGHT (lb)
VMDR1140	BSPP 1/4	20 (5.3)	350 (5075)	17 (0.67)	20 (0.79)	0,47 (1.03)
VMDR1380	BSPP 3/8			19 (0.75)	18 (0.71)	0,43 (0.95)



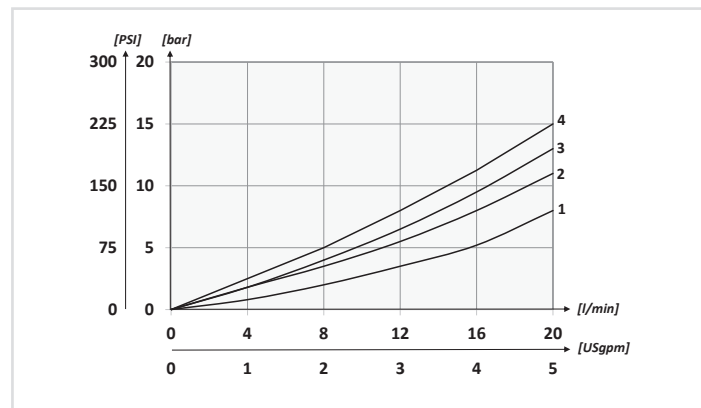
液压符号 HYDRAULIC CIRCUIT



选型	01	02	03	04
ORDERING CODE	VMDR10			

01	溢流阀 (DIRECT ACTING PRESSURE RELIEF VALVES)	VMDR10
02	规格 (SIZE)	BSPP 1/4 140
		BSPP 3/8 380
03	设置 (SETTING)	螺旋 (Screw) C
		溢流阀 (Handknob) Tipo (Type) 81300109 V
04	弹簧 (SPRING) 10/40 bar (145/580 PSI) max	12 bar/al giro (174 PSI/turn) 1
	弹簧 (SPRING) 20/110 bar (290/1595 PSI) max	37 bar/al giro (537 PSI/turn) 2
	弹簧 (SPRING) 30/210 bar (435/3045 PSI) max	67 bar/al giro (972 PSI/turn) 3
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	131 bar/al giro (1900 PSI/turn) 4

性能曲线



技术参数 TECHNICAL DATA

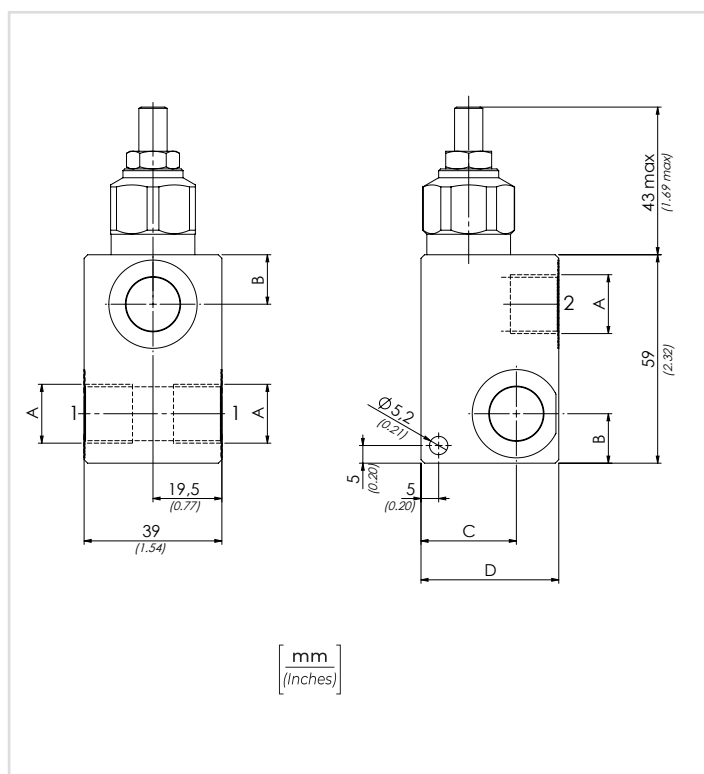
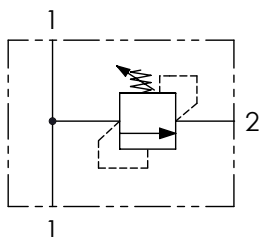
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	重量 (kg) APPROX WEIGHT (lbt)
VMDR10140	BSPP 1/4	20 (5.3)	350 (5075)	17 (0.67)	20 (0.79)	0,51 (1.12)
VMDR10380	BSPP 3/8			19 (0.75)	18 (0.71)	0,47 (1.03)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	D	重量 (kg) APPROX WEIGHT (lb)
VMDR40380	BSPP 3/8	40 (10.6)	350 (5075)	14 (0.55)	27 (1.06)	39 (1.54)	0,64 (1.39)
VMDR40120	BSPP 1/2			15 (0.59)	29,5 (1.16)	45 (1.77)	0,69 (1.50)

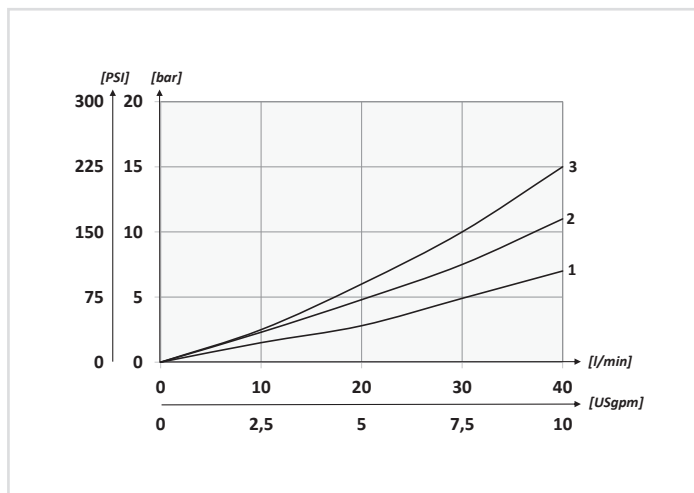
选型

ORDERING CODE

01	02	03	04
VMDR40			

01	溢流阀 (DIRECT ACTING PRESSURE RELIEF VALVES)	VMDR40
02	规格 (SIZE)	
	BSPP 3/8	380
	BSPP 1/2	120
03	设置 (SETTING)	
	内六角螺旋调节(Screw)	C
	手柄 (Handknob) (Type) 81300109	V
04	弹簧 (SPRING)	
	10/90 bar (145/1305 PSI) max	1
	20/210 bar (290/3045 PSI) max	2
	70/350 bar (1015/5075 PSI) max	3

性能曲线

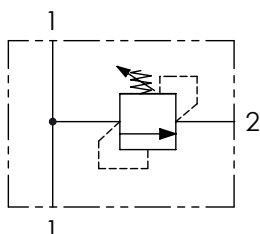


技术参数 TECHNICAL DATA

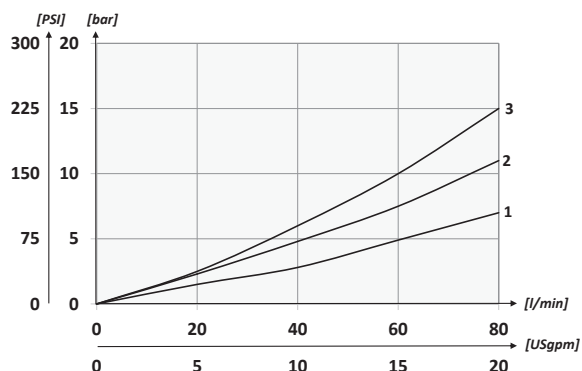
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		



液压符号 HYDRAULIC CIRCUIT



性能曲线



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

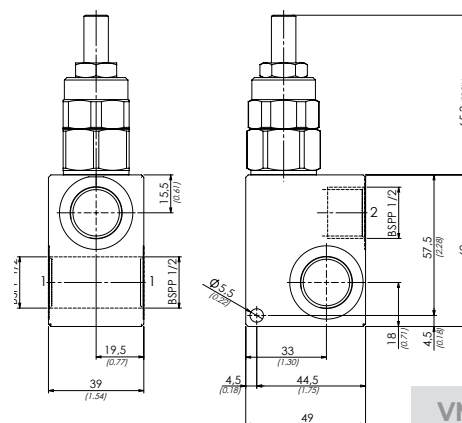
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)
VMDR90120	80 (21.1)	350 (5075)	0,65 (1.43)
VMDR90340			1 (2.2)

选型

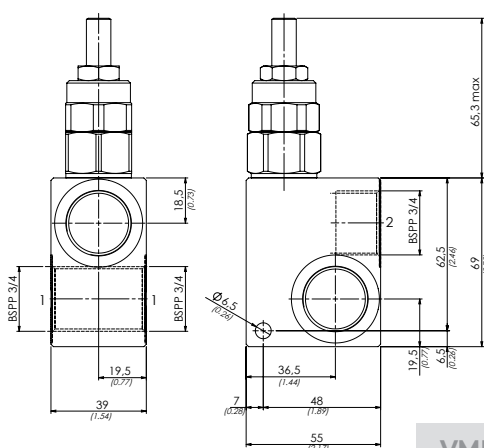
ORDERING CODE

01	02	03	04
VMDR90			

01	溢流阀 (DIRECT ACTING PRESSURE RELIEF VALVES)	VMDR90
02	规格 (SIZE)	BSPP 1/2 120
		BSPP 3/4 340
03	设置 (SETTING)	Chiave (Screw) C
		Volantino (Handknob) Tipo (Type) 81300023 V
04	弹簧 (SPRING) 10/100 bar (145/1450 PSI) max	26 bar/al giro (377 PSI/turn) 1
	弹簧 (SPRING) 20/250 bar (290/3625 PSI) max	41 bar/al giro (595 PSI/turn) 2
	弹簧 (SPRING) 50/350 bar (725/5075 PSI) max	91 bar/al giro (1320 PSI/turn) 3



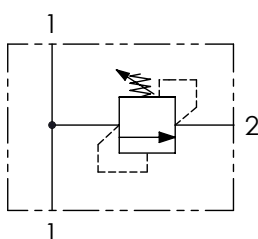
VMDR90120



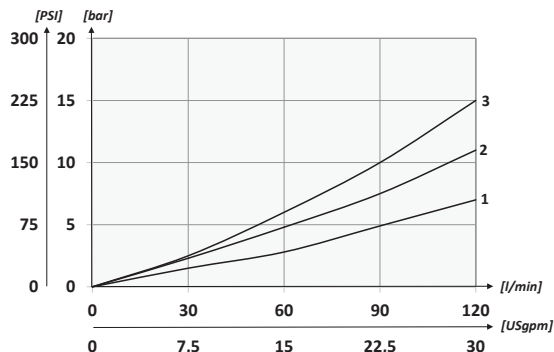
VMDR90340



液压符号 HYDRAULIC CIRCUIT



性能曲线



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

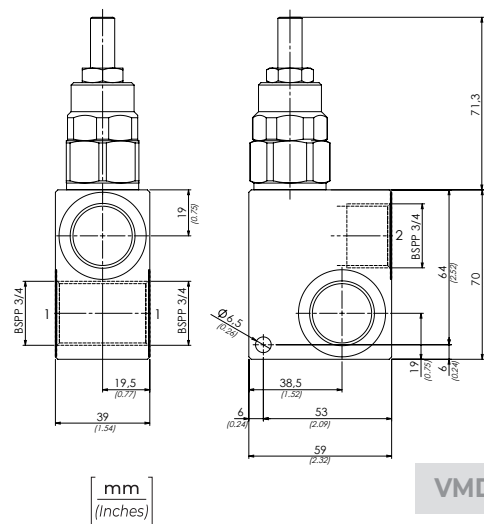
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)
VMDR120340	120 (31.7)	350 (5075)	1,1 (2.42)
VMDR120100			1,7 (3.74)

选型

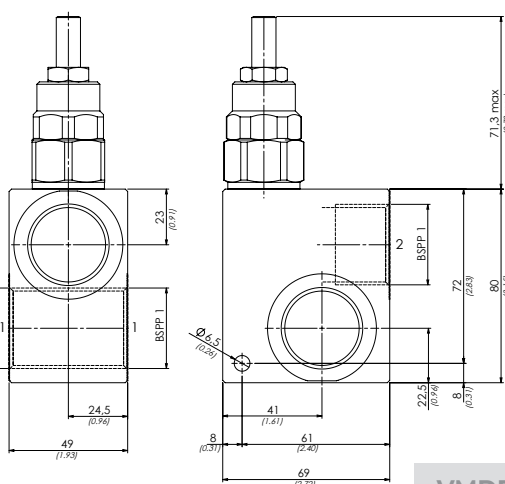
ORDERING CODE

01	02	03	04
VMDR120			

01	溢流阀 (DIRECT ACTING PRESSURE RELIEF VALVES)	VMDR120
02	规格 (SIZE)	BSPP 3/4 340
		BSPP 1 100
03	设置 (SETTING)	螺旋手柄 (Screw) C
		Volantino (Handknob) Tipo (Type) 81300023 V
04	弹簧 (SPRING) 10/100 bar (145/1450 PSI) max	21 bar/al giro (305 PSI/turn) 1
	弹簧 (SPRING) 20/250 bar (290/3625 PSI) max	48 bar/al giro (696 PSI/turn) 2
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	55 bar/al giro (798 PSI/turn) 3



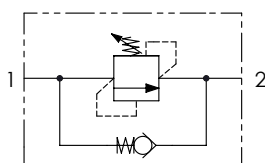
VMDR120340



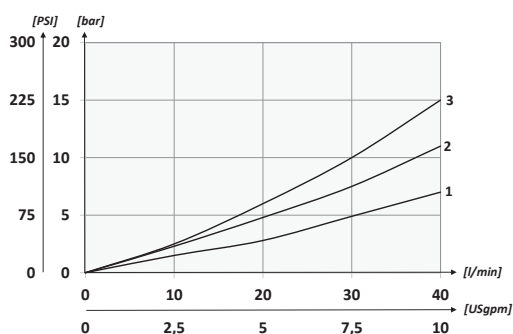
VMDR120100



技术参数 HYDRAULIC CIRCUIT



性能曲线



选型

ORDERING CODE

01

02

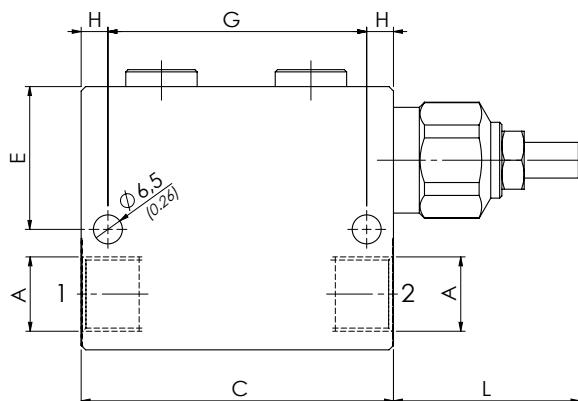
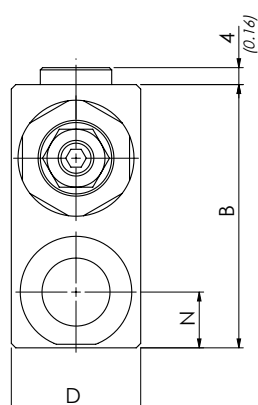
03

VSL

01	顺序阀	(IN-LINE DIRECT SEQUENCE VALVES)		VSL
02	规格 (SIZE)	BSPP 1/4		140
		BSPP 3/8		380
		BSPP 1/2		120
03	弹簧 (SPRING) 20/110 bar (290/1595 PSI) max	35 bar/al giro (508 PSI/turn)	BSPP 1/4	1
	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	12 bar/al giro (174 PSI/turn)	BSPP 3/8-BSPP 1/2	
	弹簧 (SPRING) 30/210 bar (435/3045 PSI) max	62 bar/al giro (899 PSI/turn)	BSPP 1/4	2
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	30 bar/al giro (435 PSI/turn)	BSPP 3/8-BSPP 1/2	
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	120 bar/al giro (1740 PSI/turn)	BSPP 1/4	3
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	65 bar/al giro (943 PSI/turn)	BSPP 3/8-BSPP 1/2	

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)		
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
最大污染过滤指数	ISO 4406:1999 Classe 19/17/14			
Max contamination index with filter				
油液温度	-Oil temperature	-20°C	+80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C	+50°C	-4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)				
It is necessary a filter use to protect the valve (advised filtration 15 µm)				



[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

规格 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	G	L	N	H	P	重量 APPROX WEIGHT kg-lbt
VSL140	BSPP 1/4	20 (5.3)	350 (5075)	60 (2.36)	60 (0.98)	25 (0.98)	35.5 (1.40)	49 (1.93)	53 (2.09)	12 (0.47)	20 (0.79)	5.5 (0.22)	0,72 (1.58)
VSL380	BSPP 3/8	40 (10.6)			70 (2.76)	30 (1.18)	32.5 (1.28)	58 (2.28)	43 (1.69)	13 (0.51)	17 (0.67)	6.5 (0.26)	0,89 (1.96)
VSL120	BSPP 1/2			35 (1.38)			17 (0.67)			1 (2.21)			

VALVOLE DI BILANCIAMENTO

COUNTERBALANCE VALVES 平衡阀

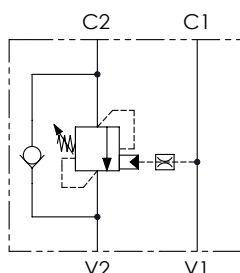
奥利奥平衡阀包含管式安装，法兰安装或带BSPP、UNF接头安装
可用于开式（不带补偿）或闭式（半补偿）系统中

The range of Oleoweb's Overcenter valves includes solutions for in-line installations, flanged or with banjo bolt, with BSPP-GAS or UNF-SAE threaded parts, and for installation on open center (not compensated) or closed center (semi-compensated) systems.





液压符号 HYDRAULIC CIRCUIT

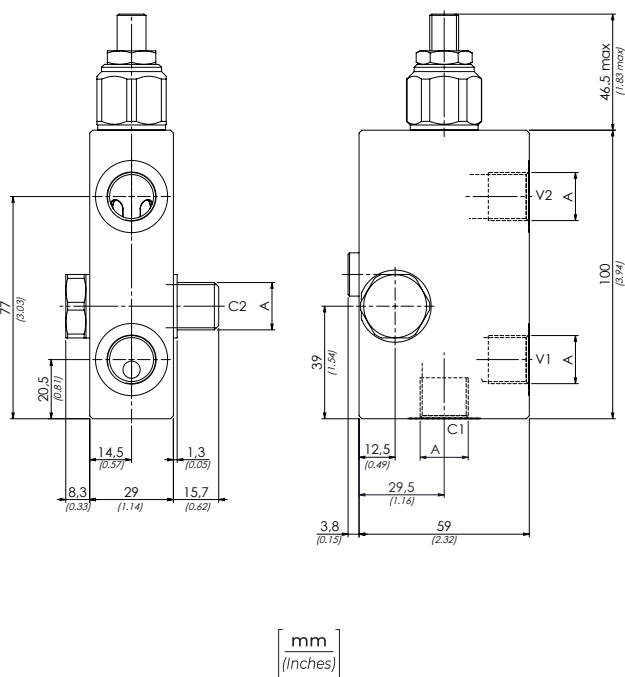


选型

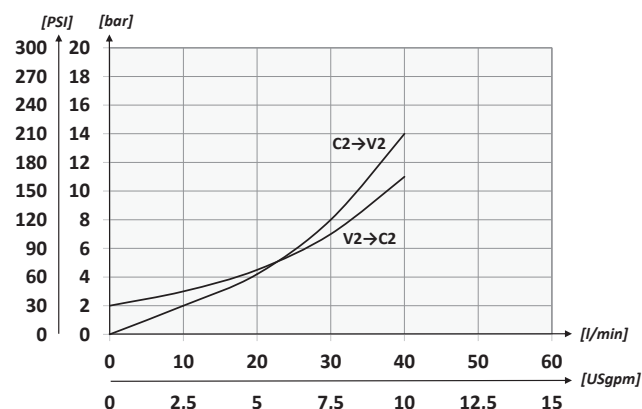
ORDERING CODE

01	02	03	04	05
VBCB	380			

01	单作用平衡阀（开式，螺栓安装） (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCE
02	规格 (SIZE)	BSPP 3/8			380
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)			S
		碳钢+镀锌镍 (Steel + zinc-nickel)			K
05	先导比 (PILOT RATIO)	1:4.25 Standard 标准			/
		1:8.75			8



性能曲线 PERFORMANCES



DATI TECNICI / 技术参数

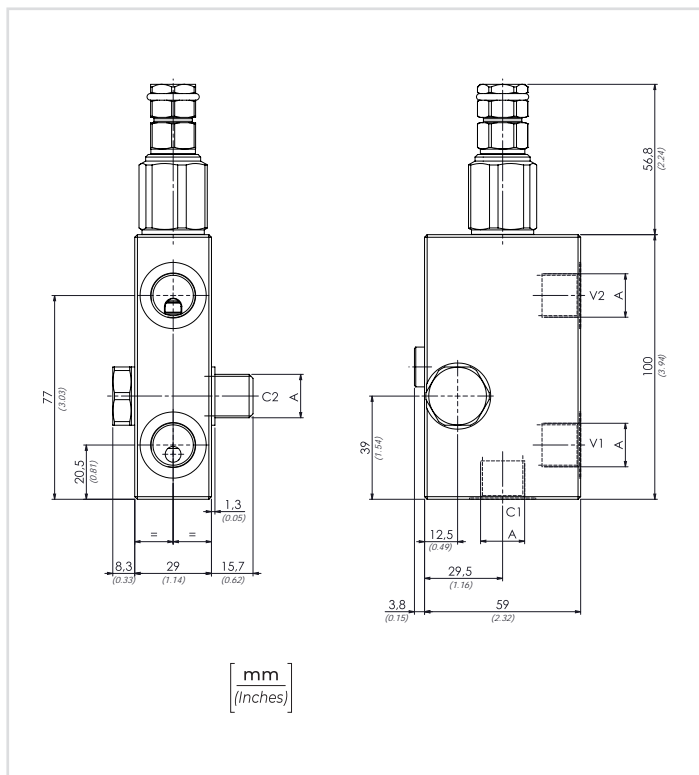
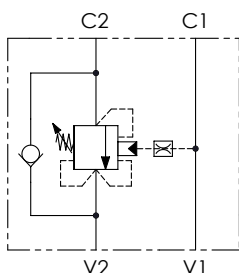
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度	- Oil temperature	-20°C +80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 μm)			

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VBCB380	BSPP 3/8	40 (10.6)	350 (5075)	1,24 (2.73)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

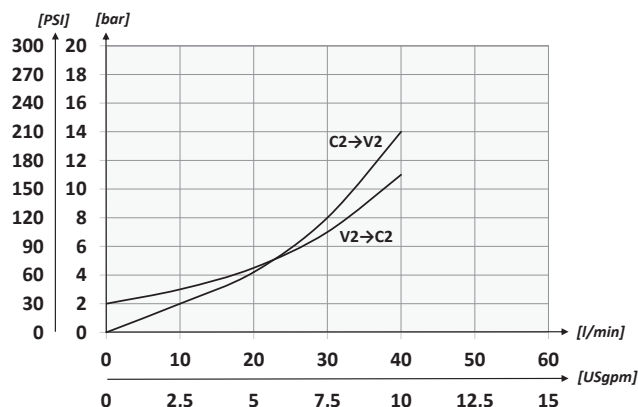
选型

ORDERING CODE

01	02	03	04	05
VCCB	380		S	

01	单作用平衡阀（闭式，螺栓安装） (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)				VBCB
02	规格 (SIZE)	BSPP 3/8			380
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)			S
05	先导比 (PILOT RATIO)	1:4.25 Standard 标准			/
		1:8.75			8

PERFORMANCES 性能曲线



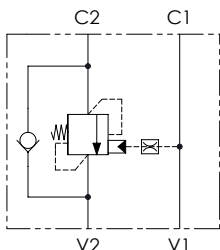
技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VCCB380	BSPP 3/8	40 (10.6)	350 (5075)	1,24 (2.73)

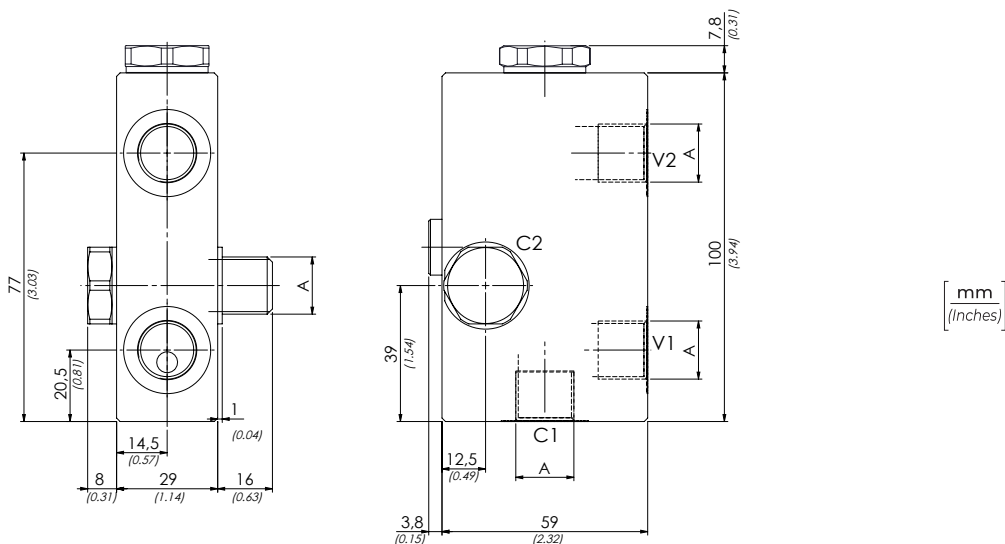
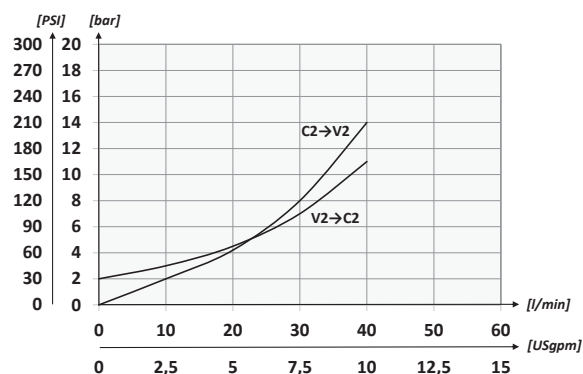


选型	01	02	03	04
ORDERING CODE	VBZB	380	2	
01	单作用平衡阀（开式，不可调，螺栓安装） (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)			VBZB
02	规格 (SIZE)	BSPP 3/8		380
03	压力设定 (SETTING)	Q=5 l/min 350 bar (5075 PSI)		2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)		S
		碳钢+镀锌镍 (Steel + zinc-nickel)		K
先导比 (PILOT RATIO) 1:4.25				

液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



技术参数 TECHNICAL DATA

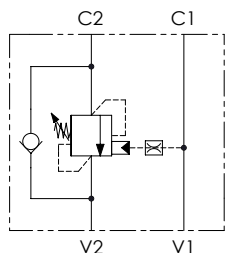
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器）		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VBZB380	BSPP 3/8	40 (10.6)	350 (5075)	1,24 (2,73)



液压符号 HYDRAULIC CIRCUIT



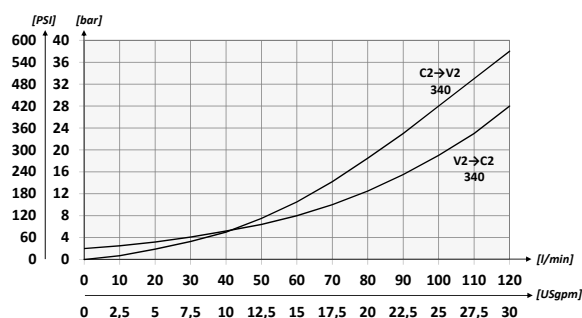
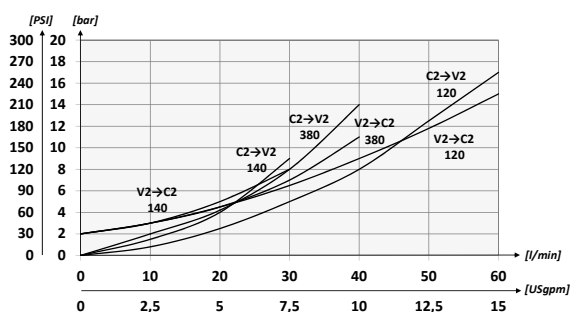
选型

ORDERING CODE

01	02	03	04	05
VBCL				

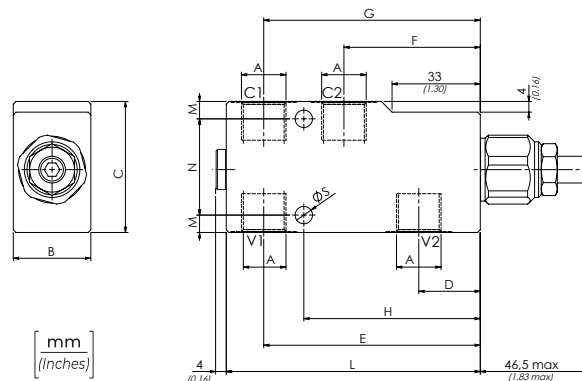
01	单作用平衡阀（开式） (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCL
02	规格 (SIZE)	BSPP 1/4		140	1
		BSPP 3/8		380	
		BSPP 1/2		120	
		BSPP 3/4		340	
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	140 380	135bar/圈 (1958 PSI/turn)	2
		Rp 1:8.75	120	160bar/圈 (2320 PSI/turn)	
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:6.2	340	143bar/圈 (2074 PSI/turn)	2
		Rp 1:10.6		242bar/圈 (3509 PSI/turn)	
04	材料 (MATERIAL)	碳钢+镀锌 (Steel body + zinc-plating)			S
		碳钢+镀锌镍 (Steel body + zinc-nickel)			K
05	先导比 (PILOT RATIO)	140	1:4.25 Standard	标准	/
		380	1:8.75		8
		120	1:6.2		/
		340	1:10.6		11

PERFORMANCES 性能曲线



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

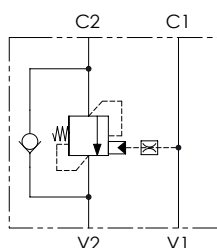


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	重量 (kg) APPROX WEIGHT (lb)
VBCL140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6.5 (0.26)	36 (1.42)	6.5 (0.26)	0.98 (2.16)
VBCL380	BSPP 3/8	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67.5 (2.66)	100 (3.94)	9.5 (0.37)	40 (1.57)		0.92 (2.02)
VBCL120	BSPP 1/2	60 (15.9)			39 (1.54)	69 (2.72)	20 (0.79)	120 (4.72)	72 (2.83)	96 (3.78)	140 (5.51)	140 (5.51)	50 (1.97)		1.09 (2.40)
VBCL340	BSPP 3/4	120 (31.7)													2.54 (5.59)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器）		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		

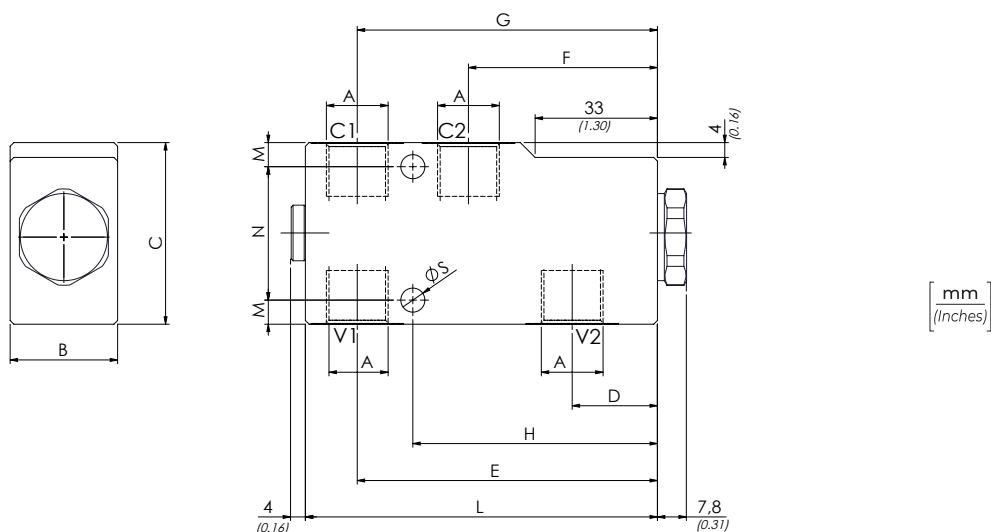
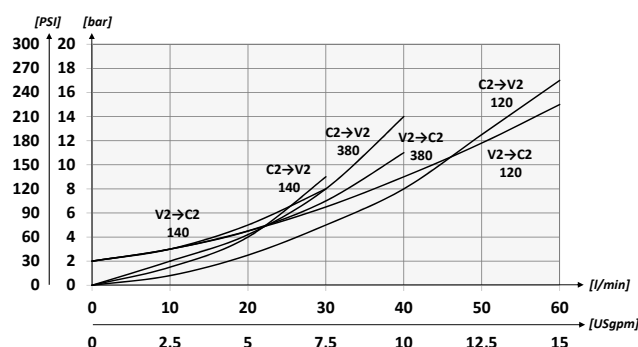
选型

ORDERING CODE

01	02	03	04
VBZL		2	

01	单作用平衡阀（开式，不可调） (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)			VBZL
02	规格 (SIZE)	BSPP 1/4	140	
		BSPP 3/8	380	
		BSPP 1/2	120	
05	设定压力 (Setting) Q=5 l/min 350 bar (5075 PSI)			2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)	S	
		碳钢+镀锌镍 (Steel + zinc-nickel)	K	
先导比 (Pilot ratio) 1:4.25				

PERFORMANCES 性能曲线

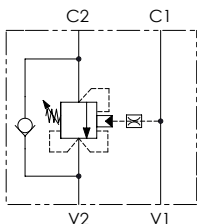


技术参数 TECHNICAL CHARACTERISTICS

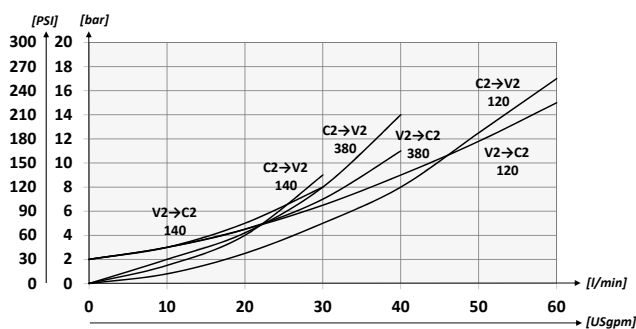
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	重量 (kg) APPROX WEIGHT (lb)
VBZL140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	0,91 (2.00)
VBZL380	BSPP 3/8	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,85 (1.87)
VBZL120	BSPP 1/2	60 (15.9)													1,02 (2.24)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

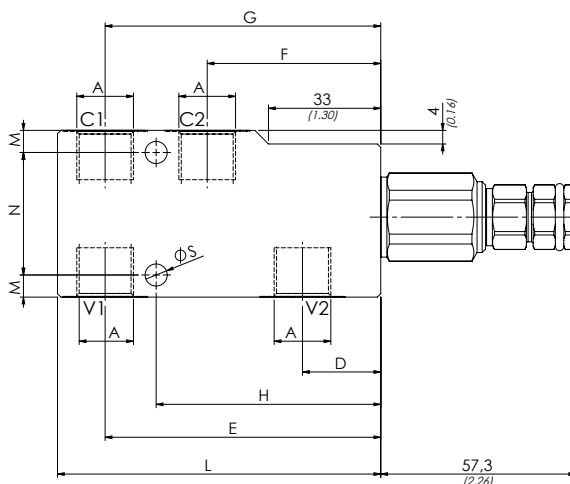
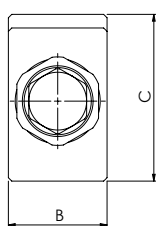
ORDERING CODE

01	02	03	04	05
VCCL			S	

01	单作用平衡阀（闭式） (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)			VCCL	
02	规格 (SIZE)		BSPP 1/4	140	
			BSPP 3/8	380	
			BSPP 1/2	120	
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
			1:8.75		8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		



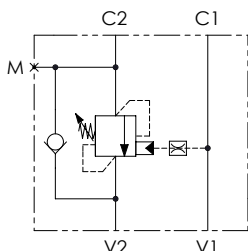
[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

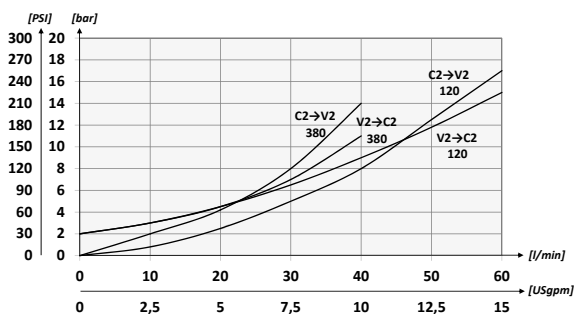
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	重量 APPROX WEIGHT kg-lbt
VCCL140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	1,02 (2.24)
VCCL380	BSPP 3/8	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,98 (2.16)
VCCL120	BSPP 1/2	60 (15.9)													1,15 (2.53)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

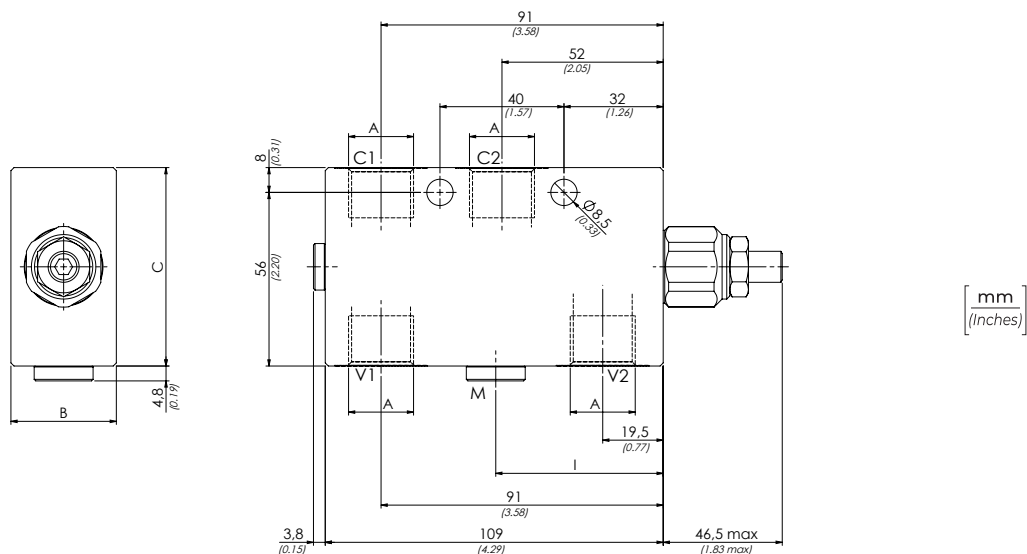
ORDERING CODE

01	02	03	04	05
VBLP				

01	单作用平衡阀（开式） (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBLP
02	规格 (SIZE)		BSP 3/8		380
			BSP 1/2		120
03	弹簧 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S
			碳钢+镀锌镍 (Steel + zinc-nickel)		K
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
			1:8.75		8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)		
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
最大污染过滤指数		ISO 4406:1999 Classe 19/17/14		
Max contamination index with filter				
油液温度	-Oil temperature	-20°C	+80°C	-4°F + 176°F
环境温度	- Environment temperature	-20°C	+50°C	-4°F + 122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器）				
It is necessary a filter use to protect the valve (advised filtration 15 µm)				

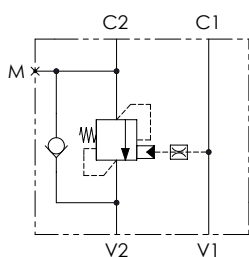


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	I	M	重量 (kg) APPROX WEIGHT (lbt)
VBLP380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	/	/	1,21 (2.63)
VBLP120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)	54 (2.13)	BSPP 1/4	1,59 (3.46)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

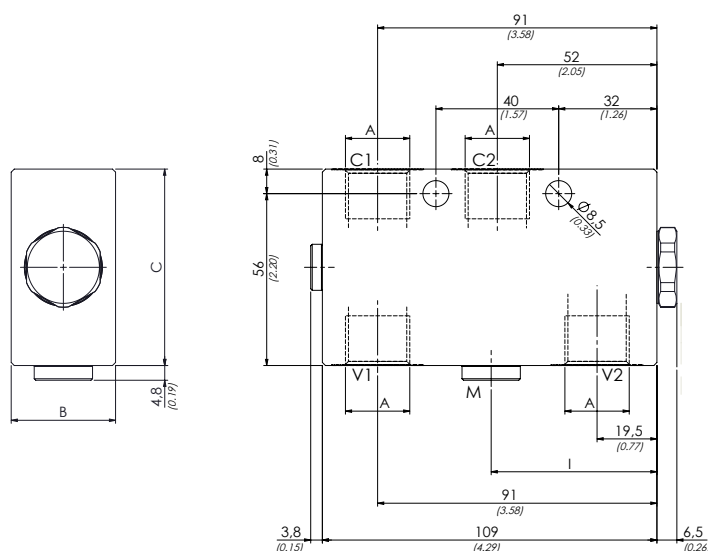
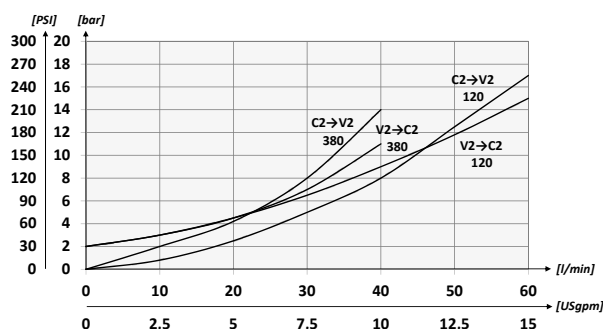
选型

ORDERING CODE

01	02	03	04
VBZP		2	

01	单作用平衡阀（开式，不可调） (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)		VBZP
02	规格 (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
03	设定压力 (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)	S
		碳钢+镀锌镍 (Steel + zinc-nickel)	K
先导比 (Pilot ratio) 1:4.25			

PERFORMANCES 性能曲线

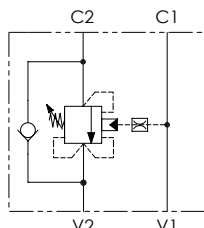


技术参数 TECHNICAL CHARACTERISTICS

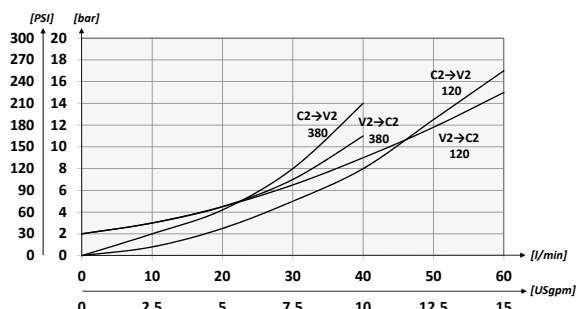
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	I	M	重量 (kg) APPROX WEIGHT (lbt)
VBZP380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	/	/	1,14 (2.50)
VBZP120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)	54 (2.13)	BSPP 1/4	1,52 (3.34)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

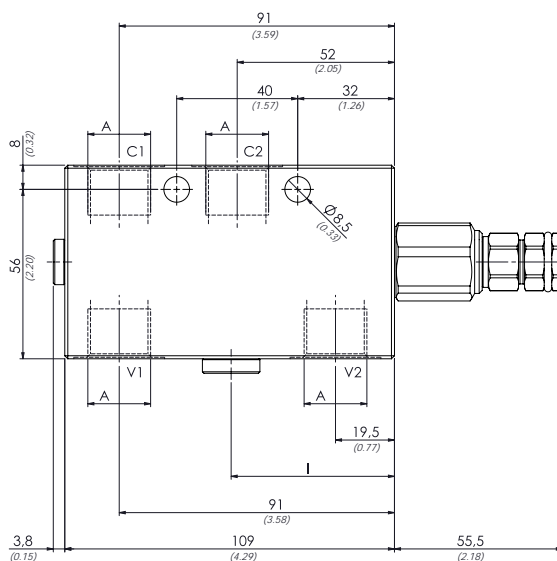
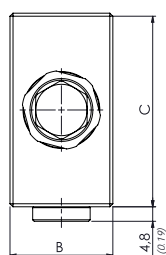
ORDERING CODE

01	02	03	04	05
VCLP			S	

01	单作用平衡阀（闭式） (SINGLE COUNTERBALANCE VALVES FOR CLSOED CENTER)				VCLP
02	规格 (SIZE)		BSPP 3/8		380
			BSPP 1/2		120
03	弹簧 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
			1:8.75		8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 μm)		



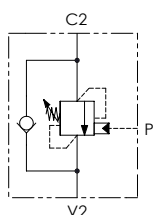
[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

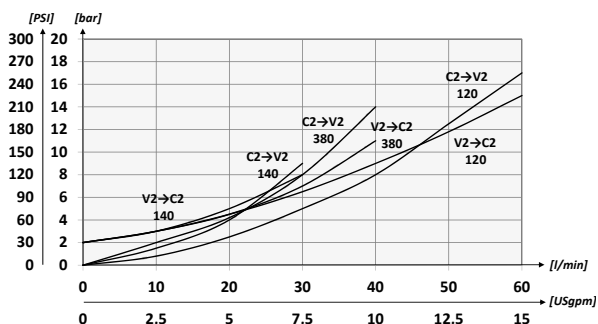
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	I	M	重量 (kg) APPROX WEIGHT (lb)
VCLP380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	/	/	1,21 (2.63)
VCLP120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)	54 (2.13)	BSPP 1/4	1,59 (3.46)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

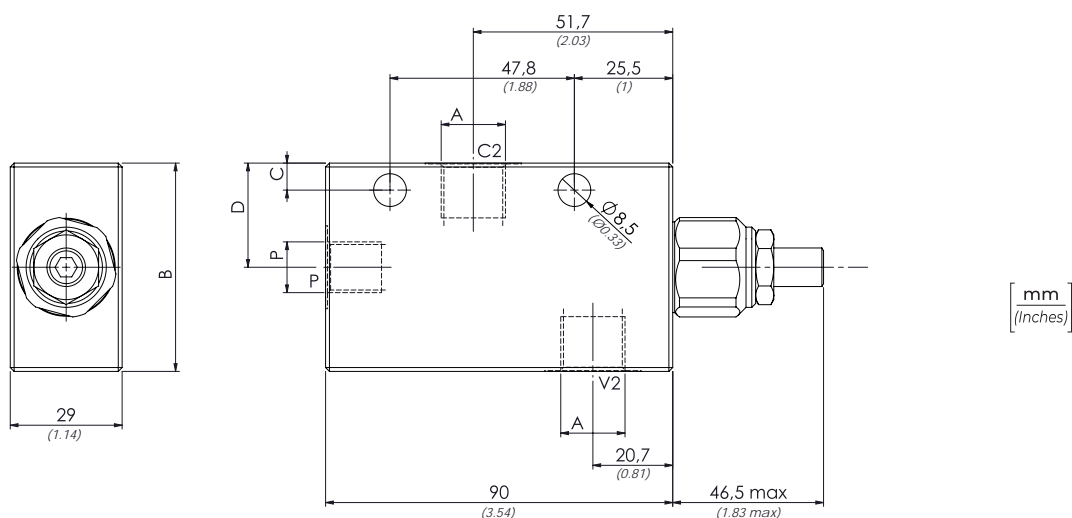
ORDERING CODE

01	02	03	04	05
VBCR				

01	单作用平衡阀（开式，外置先导） SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - EXTERNAL PILOT				VBCR
02	规格 (SIZE)		BSPP 1/4		140
			BSPP 3/8		380
			BSPP 1/2		120
03	弹簧 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)		碳钢+镀锌 (Steel body + zinc-plating)		S
			碳钢+镀锌镍 (Steel body + zinc-nickel)		K
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
			1:8.75		8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

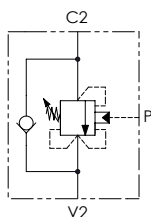


技术参数 TECHNICAL CHARACTERISTICS

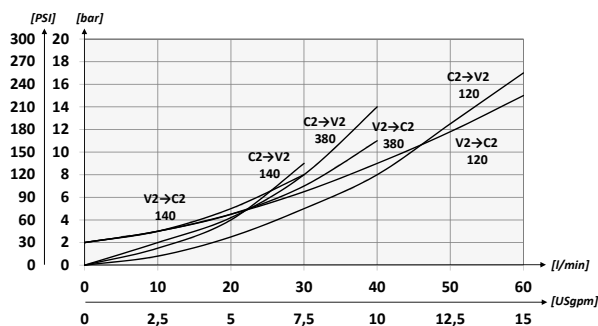
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	D	A	P	重量 (kg) APPROX WEIGHT (lb)
VBCR140	BSPP 1/4	30 (7.9)	350 (5075)	54 (2.13)	7 (0.28)	27 (1.06)	BSPP 1/4	BSPP 1/4	1,06 (2.33)
VBCR380	BSPP 3/8	40 (10.6)		64 (2.52)	11 (0.43)	32 (1.26)	BSPP 3/8		1,21 (2.63)
VBCR120	BSPP 1/2	60 (15.9)					BSPP 1/2		1,59 (3.46)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

ORDERING CODE

01 02 03 04 05

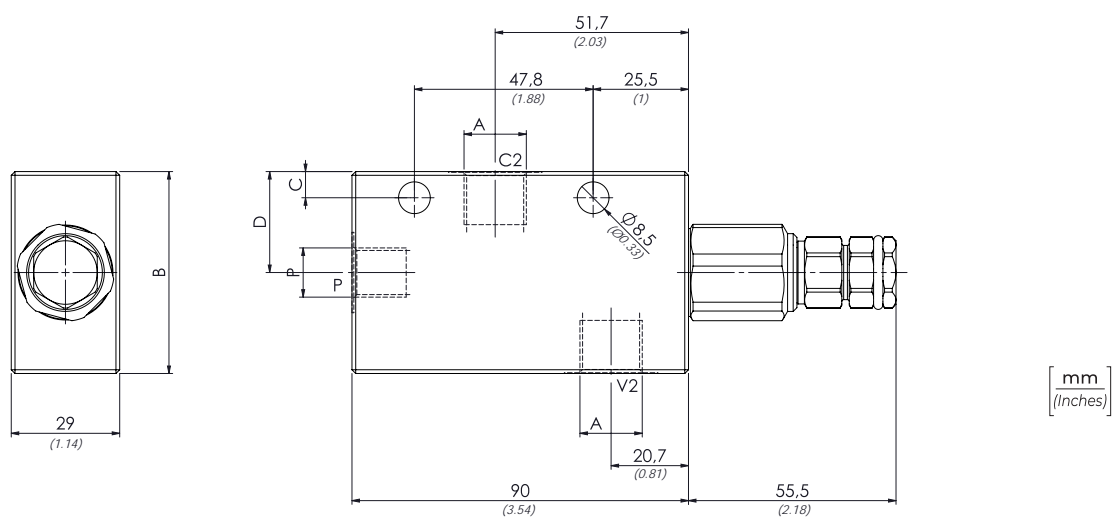
VCCR

S

01	单作用平衡阀（闭式，外置先导） SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - EXTERNAL PILOT				VCCR
02	规格 (SIZE)		BSPP 1/4		140
			BSPP 3/8		380
			BSPP 1/2		120
03	弹簧 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
	Rp 1:8.75	160bar/圈 (2320 PSI/turn)			
	弹簧 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
	Rp 1:8.75	160bar/圈 (2320 PSI/turn)			
04	材料 (MATERIAL)		碳钢+镀锌 (Steel body + zinc-plating)		S
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
			1:8.75		8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

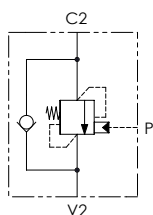


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	D	A	P	重量 (kg) APPROX WEIGHT (lbt)
VCCR140	BSPP 1/4	30 (7.9)	350 (5075)	54 (2.13)	7 (0.28)	27 (1.06)	BSPP 1/4	BSPP 1/4	1,06 (2.33)
VCCR380	BSPP 3/8	40 (10.6)					BSPP 3/8		1,21 (2.63)
VCCR120	BSPP 1/2	60 (15.9)					BSPP 1/2		1,59 (3.46)



液压符号 HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

03

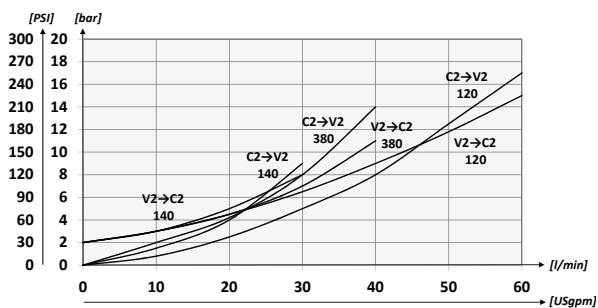
04

VBZR

2

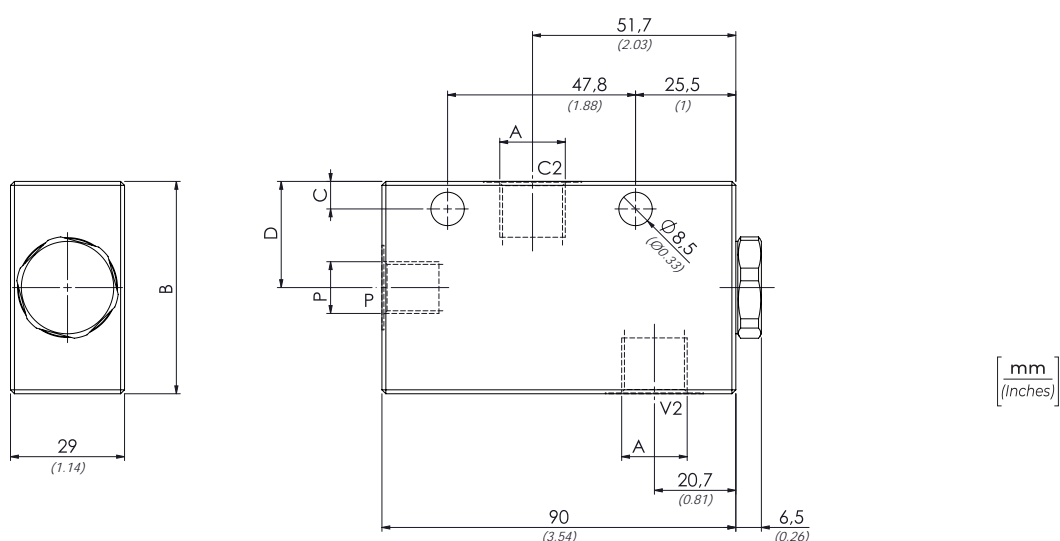
01	单作用平衡阀（开式，不可调，外置先导） SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER - EXTERNAL PILOT			VBZR
02	规格 (SIZE)	BSPP 1/4	140	
		BSPP 3/8	380	
		BSPP 1/2	120	
03	设定压力 (Setting) Q=5 l/min 350 bar (5075 PSI)			2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel body + zinc-plating)	S	
		碳钢+镀锌镍 (Steel body + zinc-nickel)	K	
先导比 (Pilot ratio) 1:4.25				

PERFORMANCES 性能曲线



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

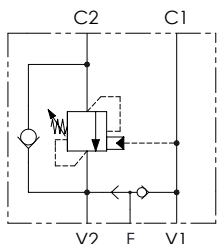


技术参数 TECHNICAL CHARACTERISTICS

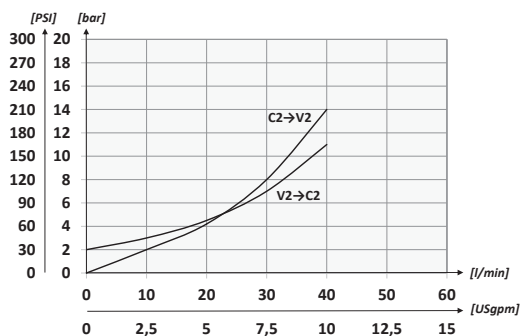
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	D	A	P	重量 (kg) APPROX WEIGHT (lb)
VBZR140	BSPP 1/4	30 (7.9)	350 (5075)	54 (2.13)	7 (0.28)	27 (1.06)	BSPP 1/4	BSPP 1/4	1,06 (2.33)
VBZR380	BSPP 3/8	40 (10.6)		64 (2.52)	11 (0.43)	32 (1.26)	BSPP 3/8		1,21 (2.63)
VBZR120	BSPP 1/2	60 (15.9)					BSPP 1/2		1,59 (3.46)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

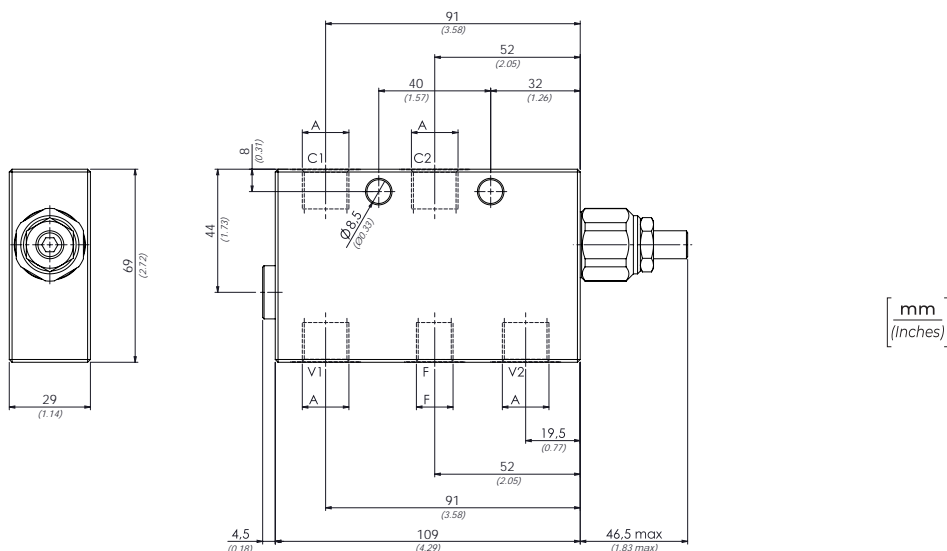
ORDERING CODE

01	02	03	04	05
VBFP	380			

01	单作用平衡阀（开式，带开启制动油路） (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER WITH BRAKE UN-LOCKING)			VBFP
02	规格 (SIZE)		BSPP 3/8	380
03	弹簧 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
03	弹簧 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)		S
		碳钢+镀锌镍 (Steel + zinc-nickel)		K
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准	/

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

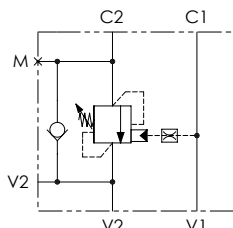


技术参数 TECHNICAL CHARACTERISTICS

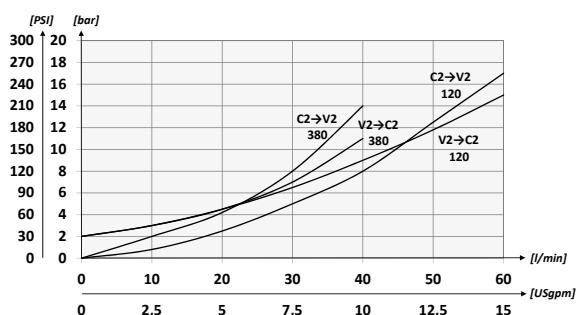
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	A	F	重量 (kg) APPROX WEIGHT (lbt)
VBFP380	BSPP 3/8	40 (10.6)	350 (5075)	BSPP 3/8	BSPP 1/4	1,51 (3.33)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

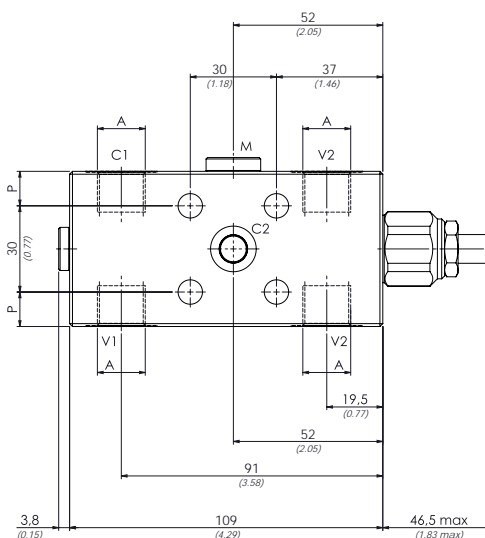
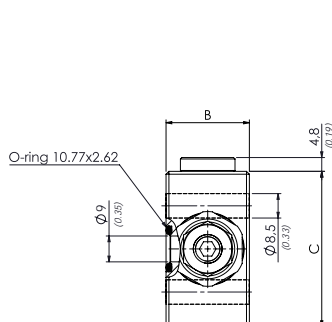
ORDERING CODE

01	02	03	04	05
VBLH				

01	单作用平衡阀（开式，法兰安装） (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - SINGLE FLANGED VERSION)				VBLH
02	规格 (SIZE)		BSPP 3/8		380
			BSPP 1/2		120
03	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)			S
		碳钢+镀锌镍 (Steel + zinc-nickel)			K
05	先导比 (PILOT RATIO)			1:4.25 Standard 标准	/
				1:8.75	8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		



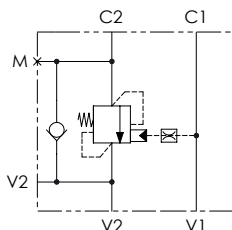
mm
(Inches)

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	M	P	重量 (kg) APPROX WEIGHT (lb)
VBLH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,18 (2.60)
VBLH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,57 (3.49)



液压符号 HYDRAULIC CIRCUIT



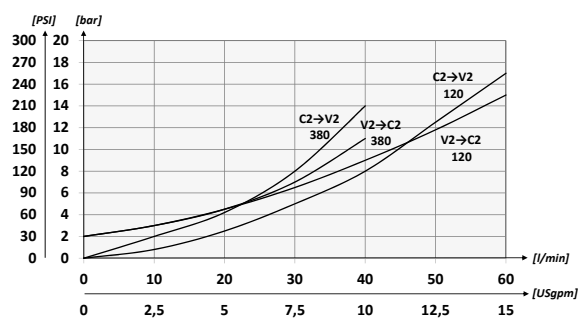
选型

ORDERING CODE

01	02	03	04
VBZH		2	

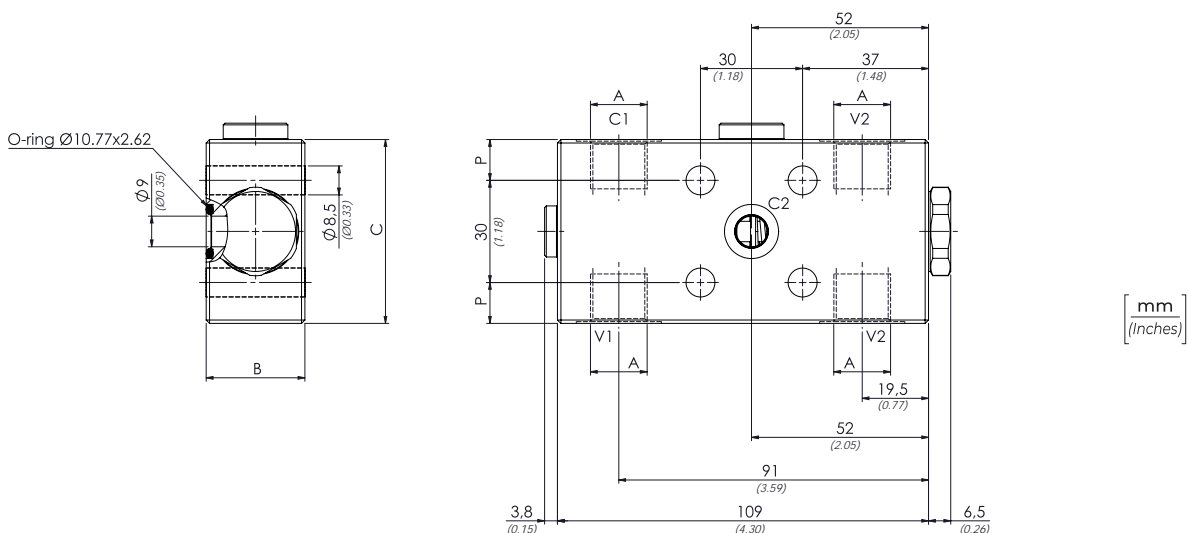
01	单作用平衡阀（开式，不可调，法兰安装） (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER - SINGLE FLANGED VERSION)		VBZH
02	规格 (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
03	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)		2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)	S
		碳钢+镀锌镍(Steel + zinc-nickel)	K
先导比 (Pilot ratio) 1:4.25			

PERFORMANCES 性能曲线



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

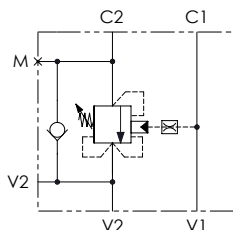


技术参数 TECHNICAL CHARACTERISTICS

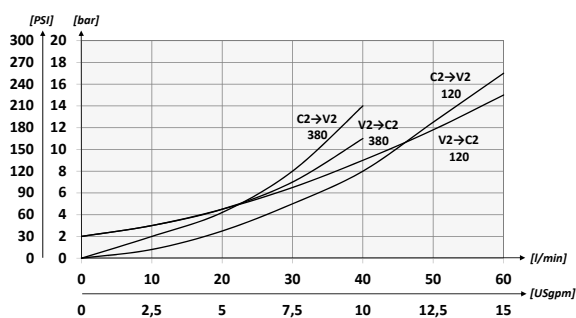
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	M	P	重量 (kg) APPROX WEIGHT (lb)
VBZH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,11 (2.49)
VBZH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,55 (3.41)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

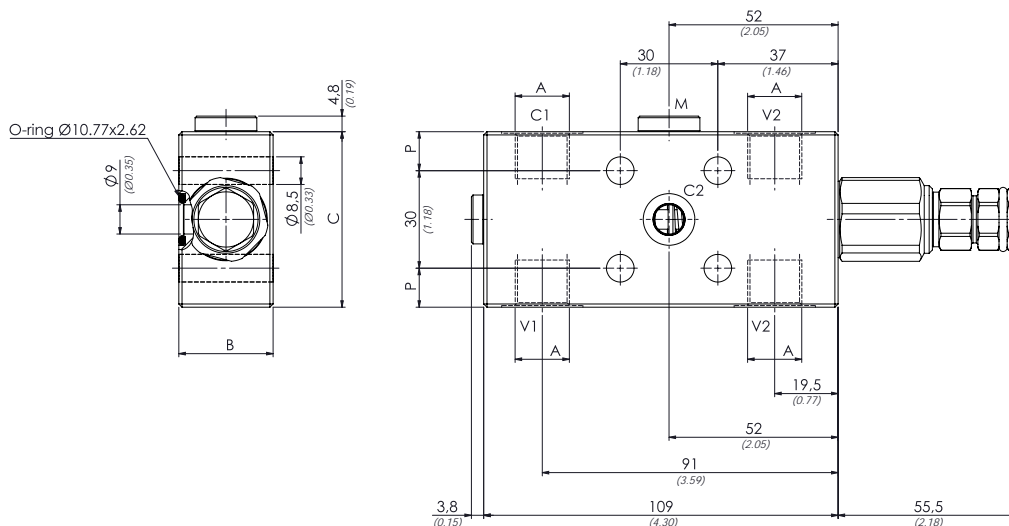
ORDERING CODE

01	02	03	04	05
VCLH			S	

01	单作用平衡阀（闭式，法兰安装） (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - SINGLE FLANGED VERSION)				VCLH
02	规格 (SIZE)		BSPP 3/8		380
			BSPP 1/2		120
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)			S
05	先导比 (PILOT RATIO)			1:4.25 Standard 标准	/
				1:8.75	8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)		
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
油液温度	- Oil temperature	-20°C	+80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C	+50°C	-4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)				

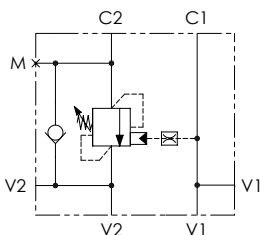


技术参数 TECHNICAL CHARACTERISTICS

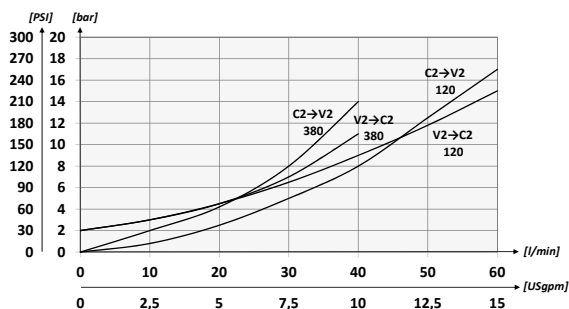
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	M	P	重量 (kg) APPROX WEIGHT (lbt)
VCLH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,23 (2.85)
VCLH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,62 (3.61)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

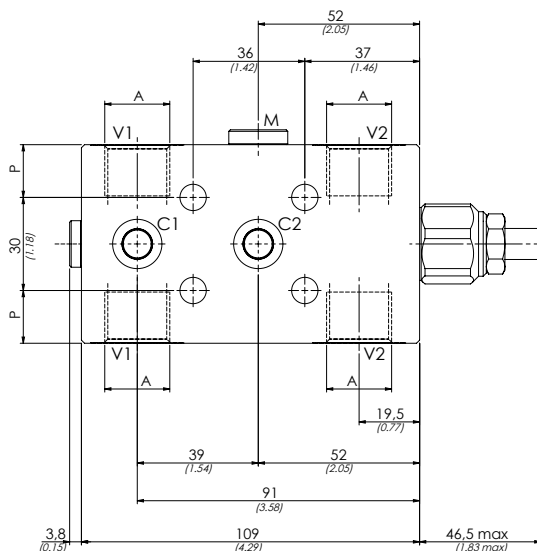
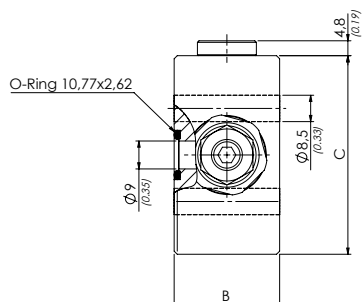
ORDERING CODE

01	02	03	04	05
VBLF				

01	单作用平衡阀（开式，法兰安装） (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - DOUBLE FLANGED VERSION)				VBLF
02	规格 (SIZE)		BSPP 3/8		380
			BSPP 1/2		120
03	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	弹簧 (SPRING)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S
			碳钢+镀锌镍 (Steel + zinc-nickel)		K
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
			1:8.75		8

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		



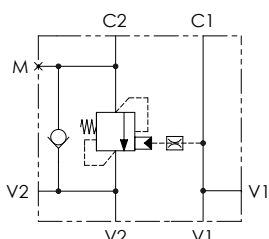
[mm]
[inches]

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	M	P	重量 (kg) APPROX WEIGHT (lb)
VBLF380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,17 (2.55)
VBLF120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,55 (3.37)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

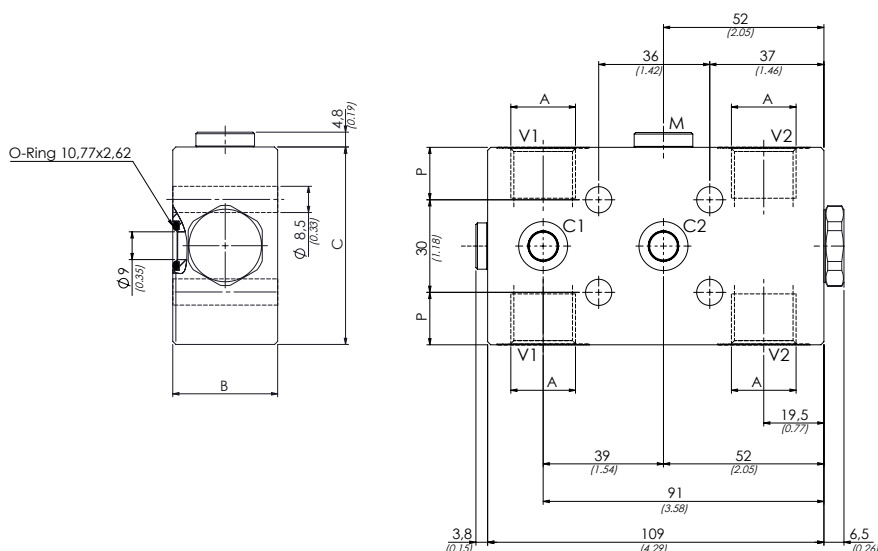
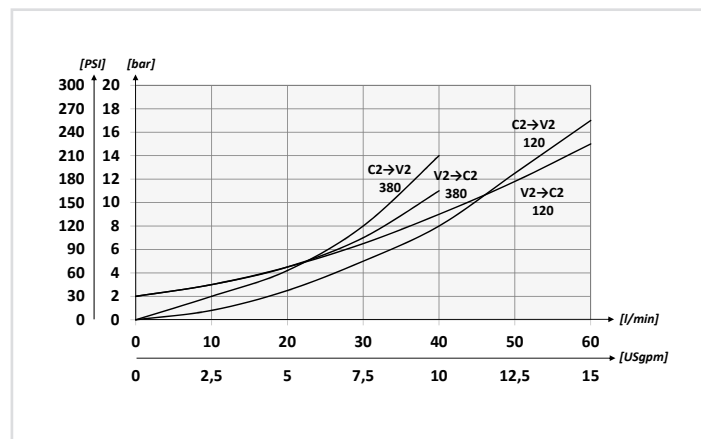
选型

ORDERING CODE

01	02	03	04
VBZF		2	

01	单作用平衡阀（闭式，不可调，法兰安装） (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER - FLANGED VERSION)		VBZF
02	规格 (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
03	设定压力 (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)	S
		碳钢+镀锌镍 (Steel + zinc-nickel)	K
先导比 (Pilot ratio) 1:4.25			

PERFORMANCES 性能曲线

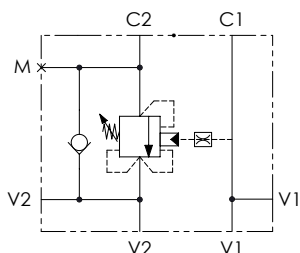


技术参数 TECHNICAL CHARACTERISTICS

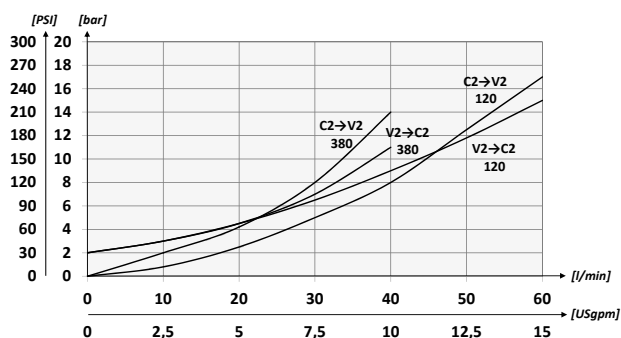
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	B	C	M	P	重量 (kg) APPROX WEIGHT (lb)
VBZF380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,10 (2.42)
VBZF120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,48 (3.25)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

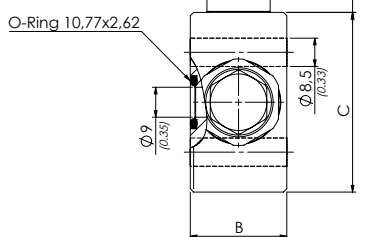
ORDERING CODE

01	02	03	04	05
VCLF			S	

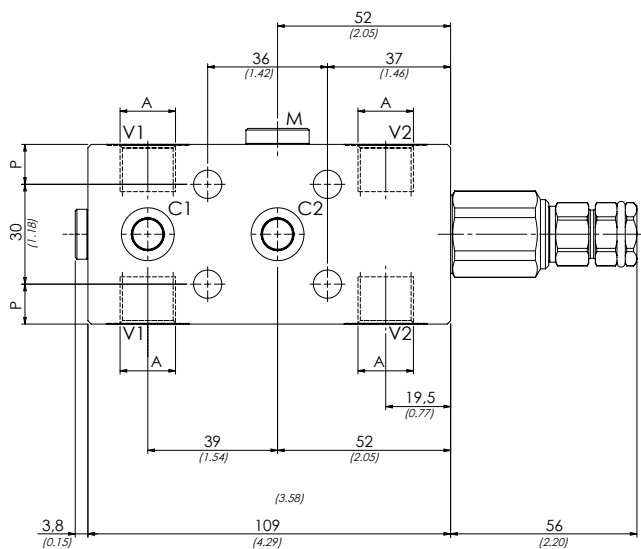
01	单作用平衡阀（闭式，法兰安装） (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION)				VCLF	
02	规格 (SIZE)		BSPP 3/8	380		
			BSPP 1/2	120		
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1	
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)			
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2	
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)			
	04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S
	05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/
1:8.75				8		

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 μm)		



mm
Inches

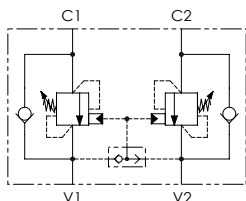


技术参数 TECHNICAL CHARACTERISTICS

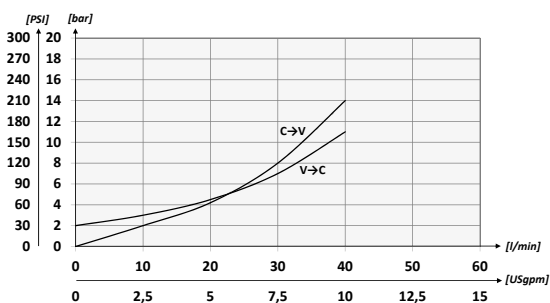
型号 TYPE	A	最大流量 MAX FLOW (l/min) USgpm	最大压力 MAX PRESSURE (bar) PSI	B	C	M	P	重量 (kg) APPROX WEIGHT (lb)
VCLF380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,22 (2.69)
VCLF120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,60 (3.52)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线

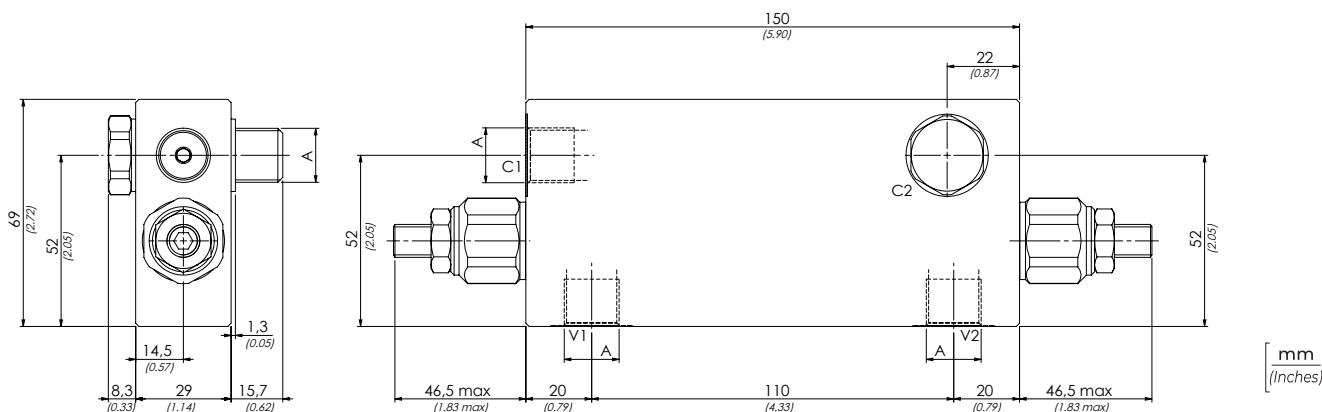


选型

ORDERING CODE

01	02	03	04	05
VBCA 380				

01	双作用平衡阀（开式，螺栓安装） (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCA
02	规格 (SIZE)	BSPP 3/8			380
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	(SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)			S
		碳钢+镀锌镍 (Steel + zinc-nickel)			K
05	先导比 (PILOT RATIO)	1:4.25 Standard 标准			/
		1:8.75			8



技术参数 TECHNICAL DATA

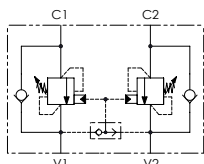
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

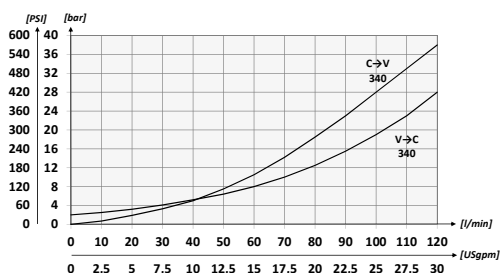
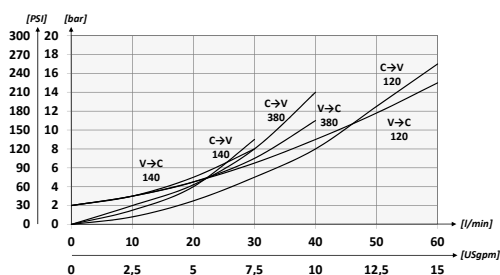
型号 CODE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 (kg) APPROX WEIGHT (lbt)
VBCA380	BSPP 3/8	40 (10.6)	350 (5075)	2,32 (5.11)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

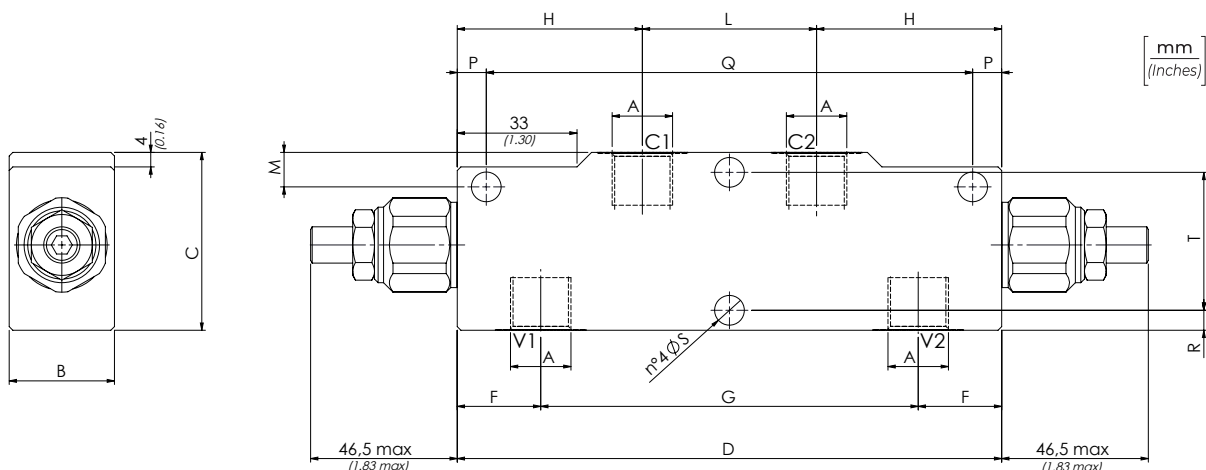
ORDERING CODE

01	02	03	04	05
VBCD				

01	双作用平衡阀（开式） (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCD
02	规格 (SIZE)	BSPP 1/4			140
		BSPP 3/8			380
		BSPP 1/2			120
		BSPP 3/4			340
03	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	弹簧 (SPRING)	Rp 1:4.25	140 135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting)	2
		Rp 1:8.75	380 160bar/圈 (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
	弹簧 (SPRING)	Rp 1:6.2	120 143bar/圈 (2074 PSI/turn)	标准设定 (Std. setting)	
		Rp 1:10.6	340 242bar/圈 (3509 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)			S
		碳钢+镀锌镍 (Steel + zinc-nickel)			K
05	先导比 (PILOT RATIO)	140	1:4.25 Standard 标准		/
		380	1:8.75		8
		120	1:6.2 标准		/
		340	1:10,6		11

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

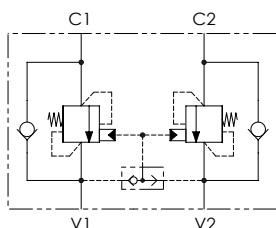


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	重量 Approx weight kg-lbt
VBCD140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2.01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,57 (3,46)
VBCD380	BSPP 3/8	40 (10.6)															1,55 (3,41)
VBCD120	BSPP 1/2	60 (15.9)			59 (2.32)		21 (0.83)	108 (4.25)			12 (0.47)			7,5 (0.29)		43 (1.69)	1,78 (3.92)
VBCD340	BSPP 3/4	120 (31.7)		39 (1.54)	69 (2.72)	210 (8.27)	26 (1.02)	158 (6.22)	72 (2.83)	66 (2.6)	13 (0.51)	10 (0.39)	190 (7.48)	8,5 (0.33)	10,5 (0.41)	52 (2.05)	4,5 (8,81)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

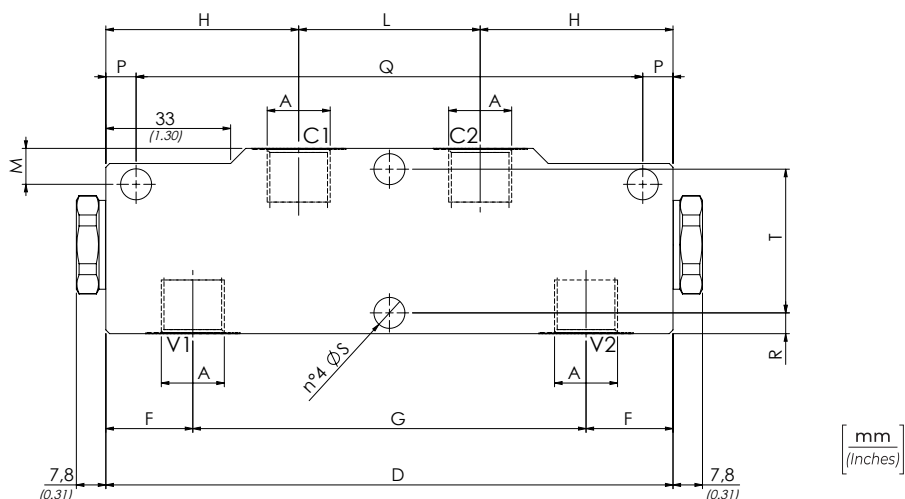
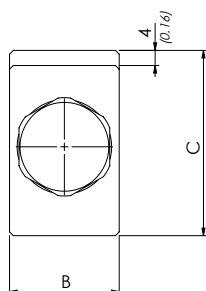
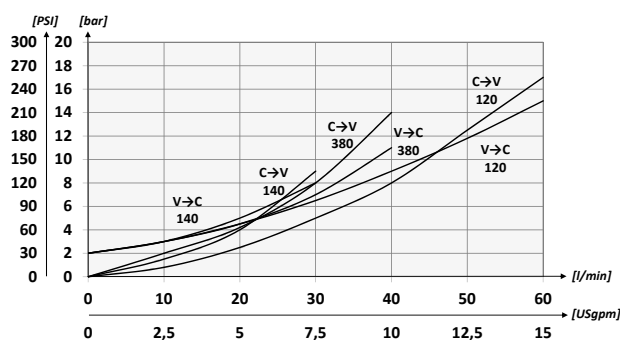
选型

ORDERING CODE

01	02	03	04
VBZD		2	

01	双作用平衡阀（开式，不可调） (DOUBLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)		VBZD
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
03	设定压力 (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)	S
		碳钢+镀锌镍 (Steel + zinc-nickel)	K
先导比 (Pilot ratio) 1:4.25			

PERFORMANCES 性能曲线

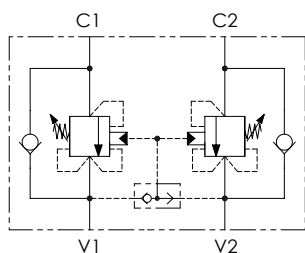


技术参数 TECHNICAL CHARACTERISTICS

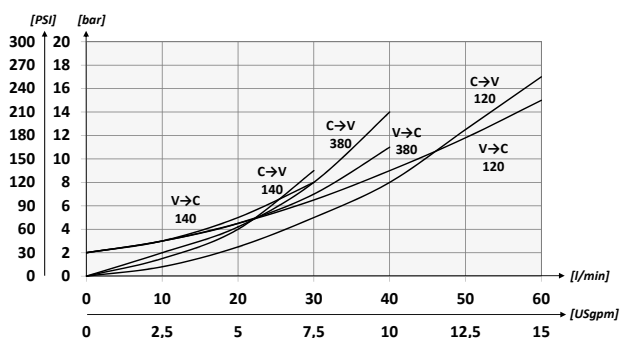
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	重量 APPROX WEIGHT kg-lbt		
VBZD140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2,01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,50 (3,30)		
VBZD380	BSPP 3/8	40 (10.6)																	
VBZD120	BSPP 1/2	60 (15.9)			59 (2.32)	21 (0.83)	108 (4.25)	12 (0.47)			7,5 (0.29)			43 (1.69)		1,71 (3.76)			



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

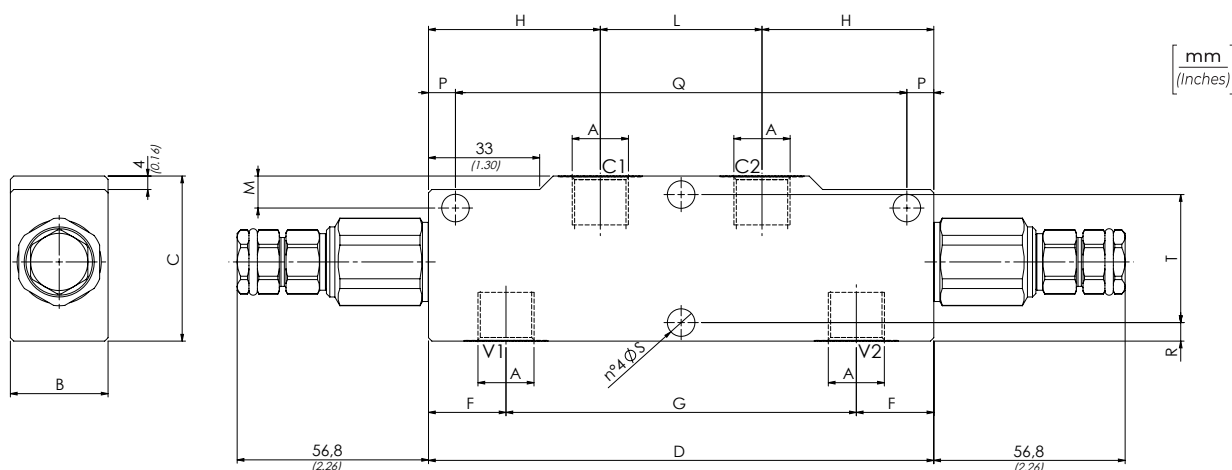
ORDERING CODE

01	02	03	04	05
VBCC			S	

01	双作用平衡阀（闭式） (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER)				VBCC	
02	规格 (SIZE)		BSPP 1/4		140	
			BSPP 3/8		380	
			BSPP 1/2		120	
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1	
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)			
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2	
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)			
	04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准		/	
			1:8.75		8	

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)		
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14		
油液温度	- Oil temperature	-20°C	+80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C	+50°C	-4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)				

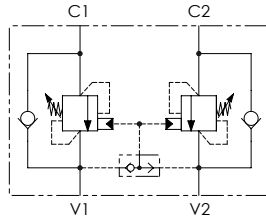


技术参数 TECHNICAL CHARACTERISTICS

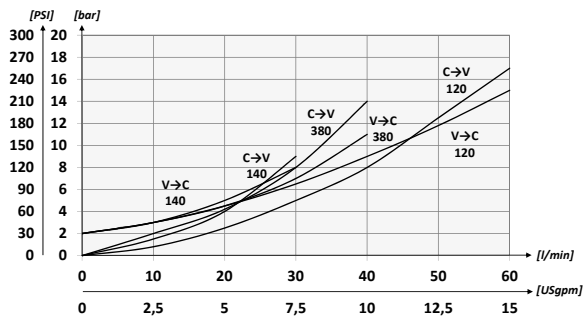
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	重量 APPROX WEIGHT kg-lbt
VBCC140	BSPP 1/4	30 (8)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2.01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,68 (3.70)
VBCC380	BSPP 3/8	40 (10.5)			59 (2.32)		21 (0.83)	108 (4.25)			12 (0.47)			7,5 (0.29)		43 (1.69)	1,66 (3.66)
VBCC120	BSPP 1/2	60 (16)															1,89 (4.16)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

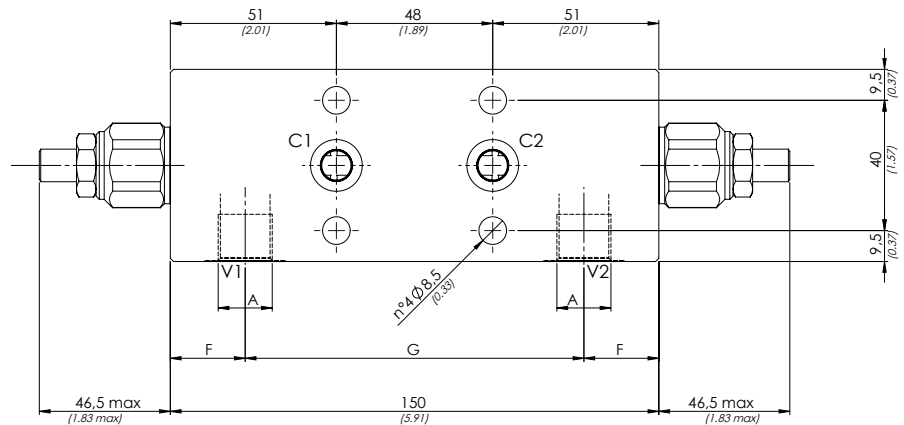
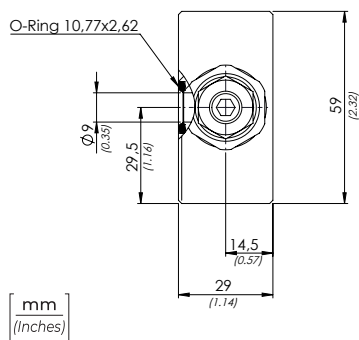
ORDERING CODE

01	02	03	04	05
VBCF				

01	双作用平衡阀（开式，法兰安装） (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER - FLANGED VERSION)			VBCF	
02	规格 (SIZE)		BSPP 1/4	140	
			BSPP 3/8	380	
			BSPP 1/2	120	
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)	S	
			碳钢+镀锌镍 (Steel + zinc-nickel)	K	
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准	/	
			1:8.75	8	

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

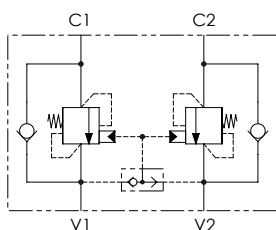


技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	G	F	重量 (kg) APPROX WEIGHT (lbt)
VBCF140	BSPP 1/4	40 (10.6)	350 (5075)	104 (4.09)	23 (0.91)	2,02 (4.45)
VBCF380	BSPP 3/8					1,95 (4.30)
VBCF120	BSPP 1/2	60 (15.9)		108 (4.25)	21 (0.83)	1,92 (4.23)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)		

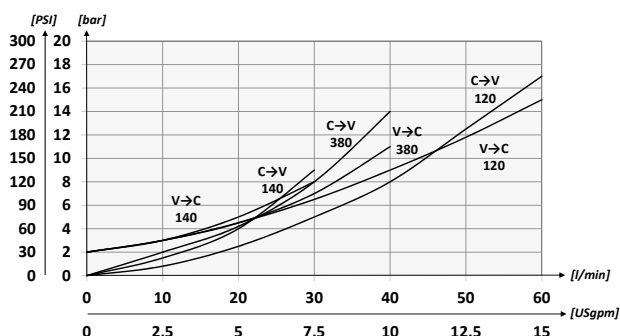
选型

ORDERING CODE

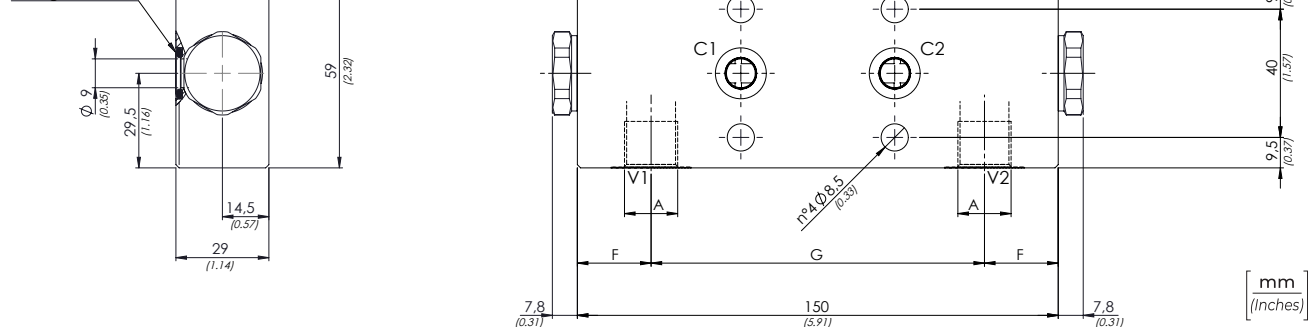
01	02	03	04
VBZG		2	

01	双作用平衡阀（闭式，不可调，法兰安装） (DOUBLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER - FLANGED VERSION)		VBZG
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
03	设定压力 (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)	S
		碳钢+镀锌 (Steel + zinc-nickel)	K
先导比 (Pilot ratio) 1:4.25			

PERFORMANCES 性能曲线



O-Ring 10,77x2,62

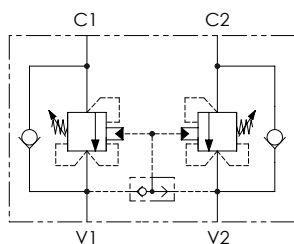


技术参数 TECHNICAL CHARACTERISTICS

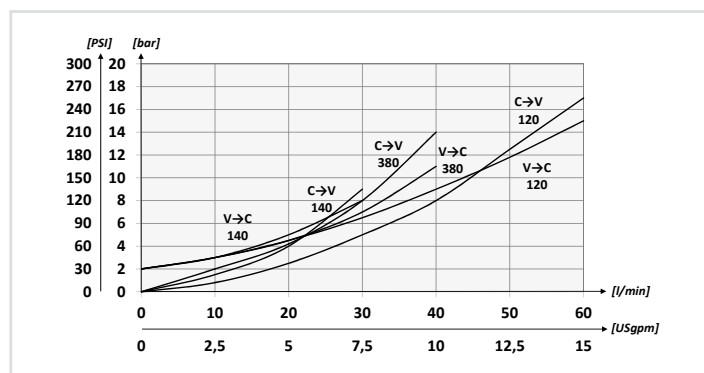
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	G	F	重量 (kg) APPROX WEIGHT (lbt)
VBZG140	BSPP 1/4	40 (10.6)	350 (5075)	104 (4.09)	23 (0.91)	1,98 (4.24)
VBZG380	BSPP 3/8					1,90 (4.07)
VBZG120	BSPP 1/2	60 (15.9)		108 (4.25)	21 (0.83)	1,88 (4.03)



液压符号 HYDRAULIC CIRCUIT



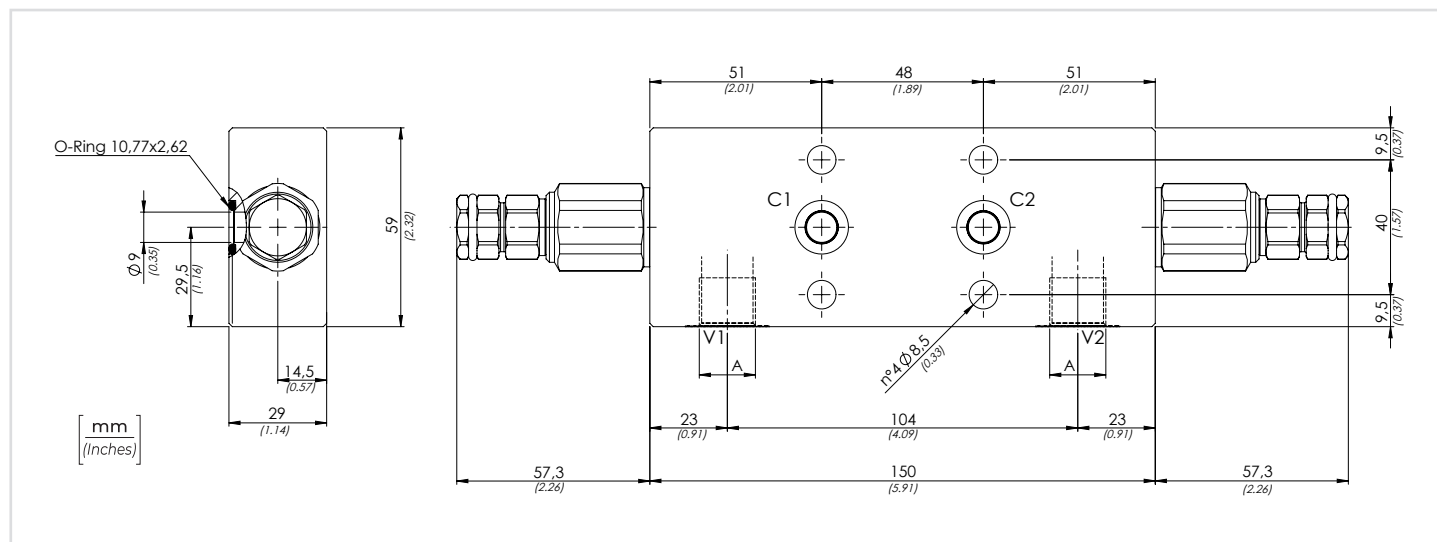
PERFORMANCES 性能曲线



选型

ORDERING CODE

选型		01		02		03		04		05	
ORDERING CODE		VBCM						S			
01	双作用平衡阀（闭式，法兰安装） (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION)									VBCM	
02	规格 (SIZE)		BSPP 1/4						140		
			BSPP 3/8						380		
			BSPP 1/2						120		
03	弹簧 (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)			标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)			1		
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)								
	弹簧 (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)			标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)			2		
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)								
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)						S		
05	先导比 (PILOT RATIO)		1:4.25 Standard 标准						/		
			1:8.75						8		



技术参数 TECHNICAL DATA

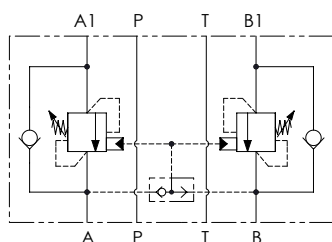
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)		
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
油液温度	- Oil temperature	-20°C +80°C	-4°F	+176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F	+122°F
使用带过滤器的系统是必要的（推荐使用15um过滤器） It is necessary a filter use to protect the valve (advised filtration 15 µm)				

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VBCM140	BSPP 1/4	40 (10.6)	350 (5075)	2,13 (4.69)
VBCM380	BSPP 3/8			2,09 (4.60)
VBCM120	BSPP 1/2	60 (15.9)		2,06 (4.54)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VBCS06	40 (10.6)	350 (5075)	3,10 (6.80)

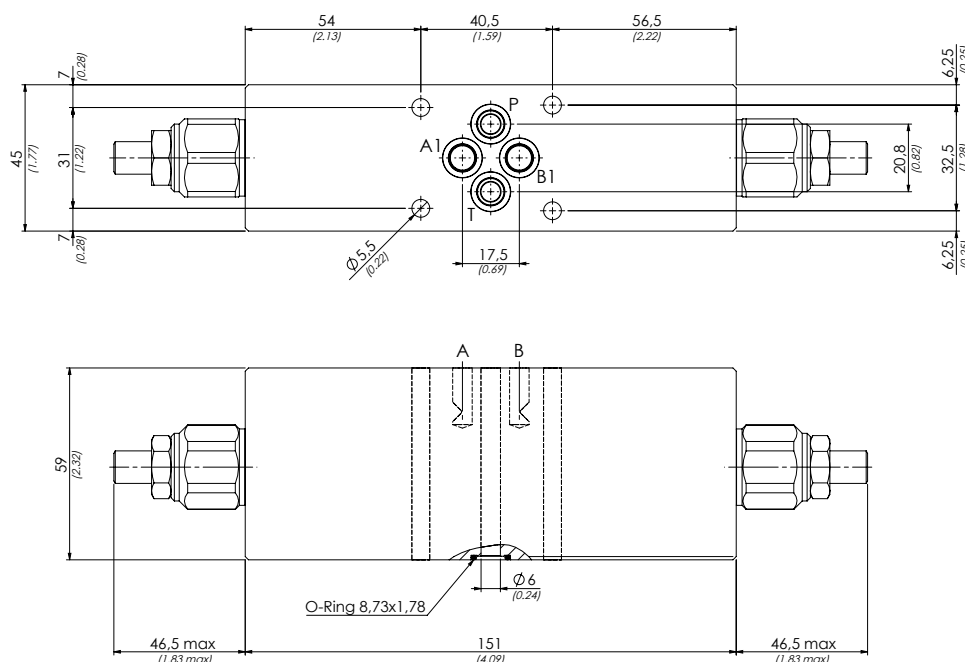
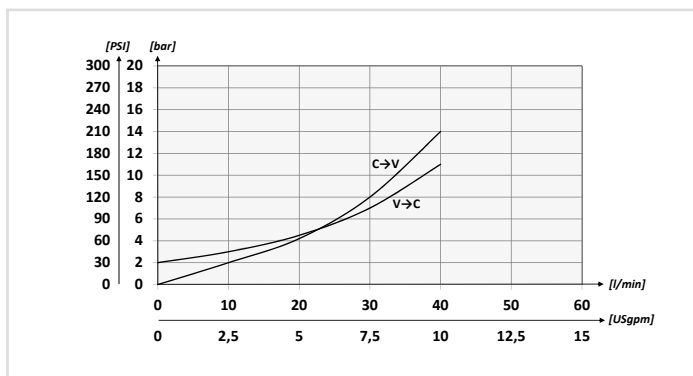
选型

ORDERING CODE

01	02	03	04	05
VBCS06		S		

01	双作用平衡阀配CETOP3 (闭式) (DOUBLE CETOP3 MODULAR COUNTERBALANCE VALVES FOR OPEN CENTER)			VBCS06
02	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
02	弹簧 (SPRING)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
03	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)		S
04	先导比 (PILOT RATIO)	1:4.25 Standard 标准		/
		1:8.75		8

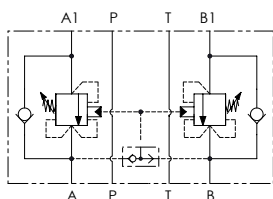
PERFORMANCES 性能曲线



mm
(Inches)



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
VBCT06	40 (10.6)	350 (5075)	3,10 (6.9)

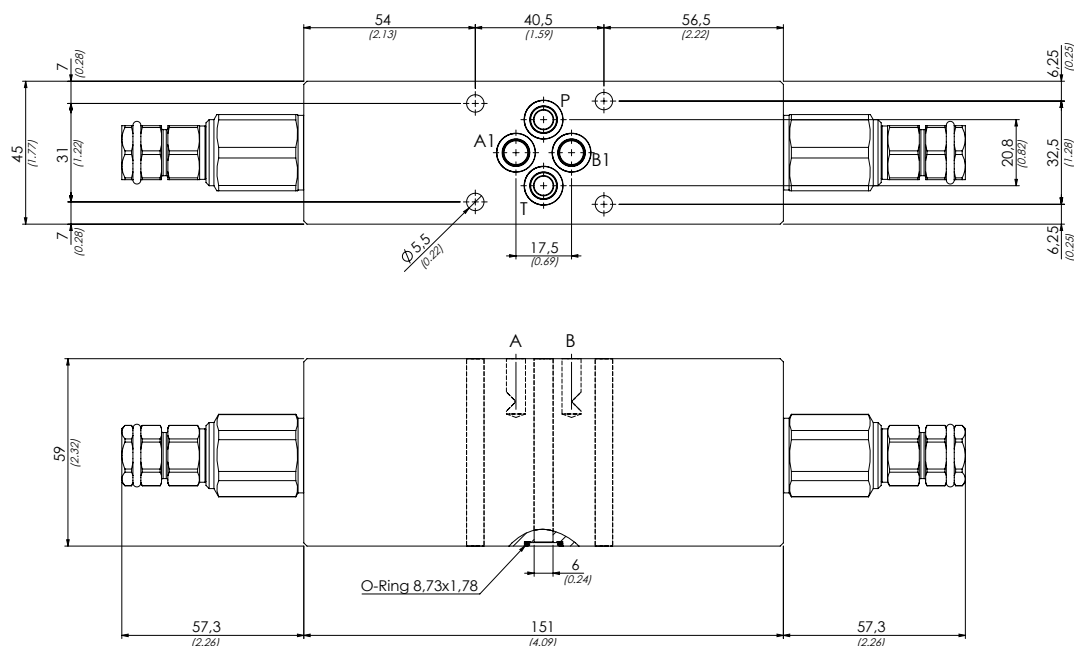
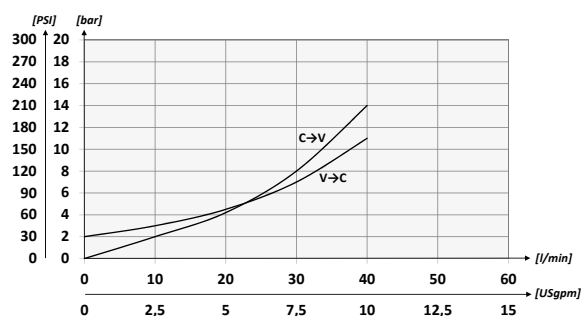
选型

ORDERING CODE

01	02	03	04	05
VBCT06		S		

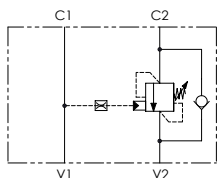
01	双作用平衡阀配CETOP3 (闭式) (DOUBLE CETOP3 MODULAR COUNTERBALANCE VALVES FOR CLOSED CENTER)			VBCT06
02	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
02	弹簧 (SPRING)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
03	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)		S
04	先导比 (PILOT RATIO)	1:4.25 Standard 标准		/
		1:8.75		8

PERFORMANCES 性能曲线

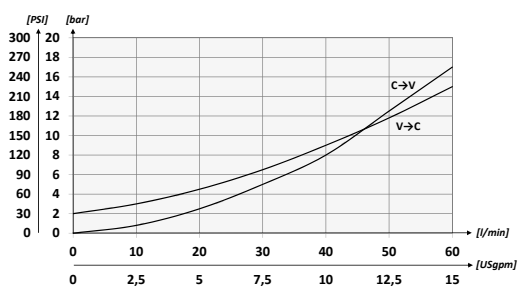




液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线

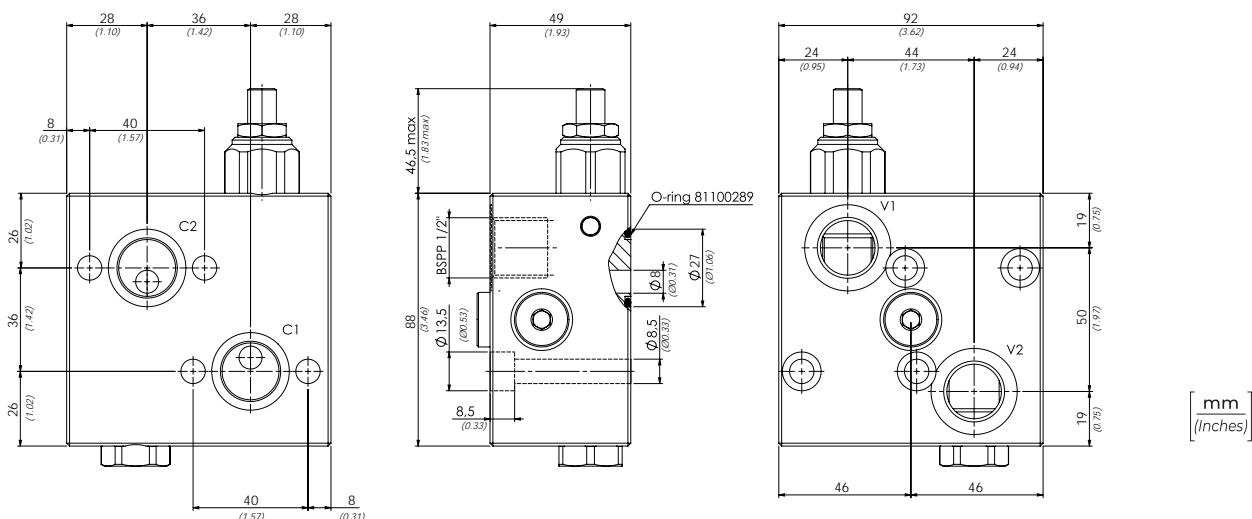
选型
ORDERING CODE

01	02	03	04
SCVB			S

01	单作用平衡阀配OMP-OMR (开式) (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)			SCVB
02	规格 (SIZE)	BSPP 1/2		120
03	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	1
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
03	弹簧 (SPRING)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	2
		Rp 1:8.75	160bar/圈 (2320 PSI/turn)	
04	材料 (MATERIAL)	碳钢+镀锌 (Steel + zinc-plating)		S

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14	
油液温度	- Oil temperature	-20°C +80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

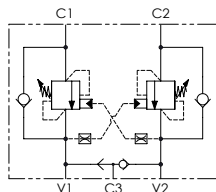


技术参数 TECHNICAL CHARACTERISTICS

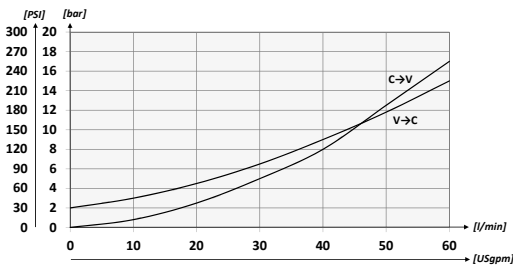
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 MAX PRESSURE bar-PSI	重量 (kg) APPROX WEIGHT (lbt)
SCVB120	BSPP 1/2	60 (15.9)	350 (5075)	2,81 (6.19)



液压符号 HYDRAULIC CIRCUIT



PERFORMANCES 性能曲线



选型

ORDERING CODE

01

02

03

04

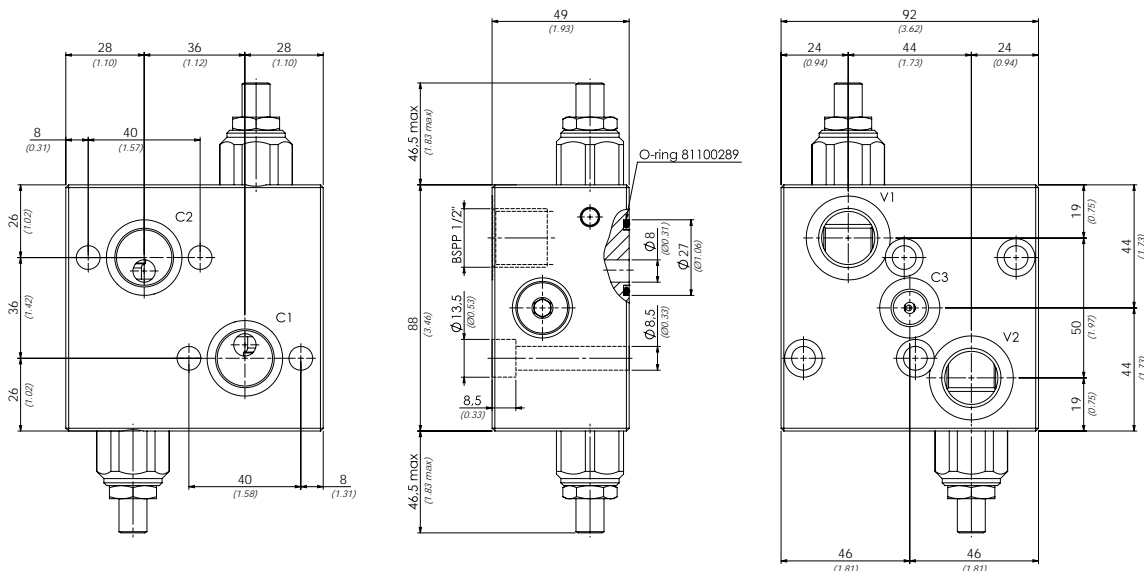
DCVB

S

01	双作用平衡阀配OMP-OMR（开式） (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER OMP-OMR)				DCVB
02	规格 (SIZE)		BSPP 1/2		120
03	弹簧 (SPRING)	Rp 1:4.25	78bar/圈 (1131 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
	弹簧 (SPRING)	Rp 1:4.25	135bar/圈 (1958 PSI/turn)	标准设定 (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160bar/圈 (2320 PSI/turn)		
04	材料 (MATERIAL)		碳钢+镀锌 (Steel + zinc-plating)		S

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 Approx weight kg-lbt
DCVB120	BSPP 1/2	60 (15.9)	350 (5075)	2,8 (6.17)

ELECTRICAL VALVES

电磁阀

SAE插孔电磁阀：单密封、双密封、滑阀、线圈、接头

Solenoid valves in SAE cavities single or double sealing or spool type. Coils and connectors.

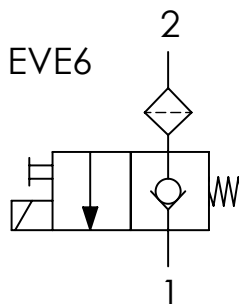
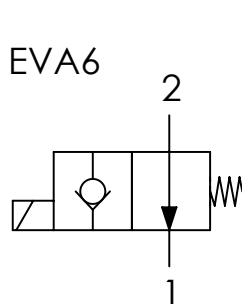
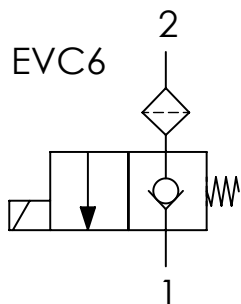


选型
ORDERING CODE

01	02
EV	

01	两位两通电磁阀- SAE8插孔 直动式 (2 WAYS/2 POSITIONS SAE8 ELECTRIC VALVES - DIRECT ACTING)	EV
02	常闭 (Normally closed)	C6
	常闭+应急旋钮 (Normally closed + emergency)	E6
	常开 (Normally open)	A6

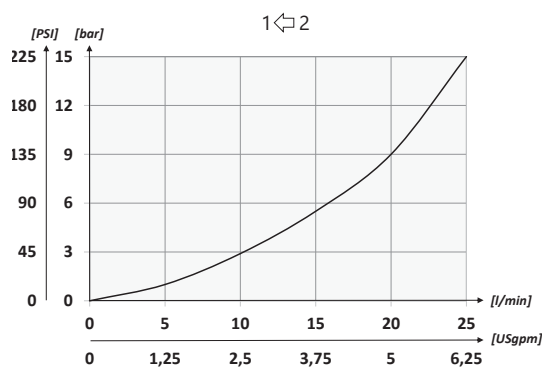
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm ³ /min - 5滴/分钟 0,015 in ³ /min - 5 drops/min

PERFORMANCES 性能曲线

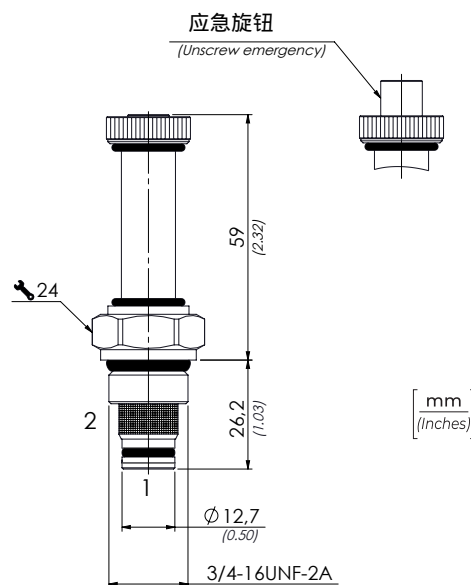


曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插孔 CAVITY
EV6	3/4-16UNF-2A	22 (5.8)	210 (3045)	0,12 (0.26)	30 (22)	SAE 8/2

22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

ED6 两位两通电磁阀-SAE8插孔 直动式 双密封

2 WAYS/2 POSITIONS SAE8 DOUBLE SEALING ELECTRIC VALVES - DIRECT ACTING



选型

ORDERING CODE

01

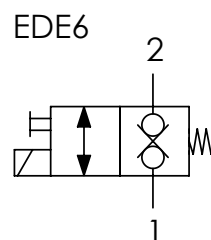
ED

02

E6

01	两位两通电磁阀-SAE8插孔 直动式 双密封 (2 WAYS/2 POSITIONS SAE8 DOUBLE SEALING ELECTRIC VALVES - DIRECT ACTING)		ED
02	原理 (CIRCUIT)	常闭+应急按钮 (Normally closed + emergency)	E6

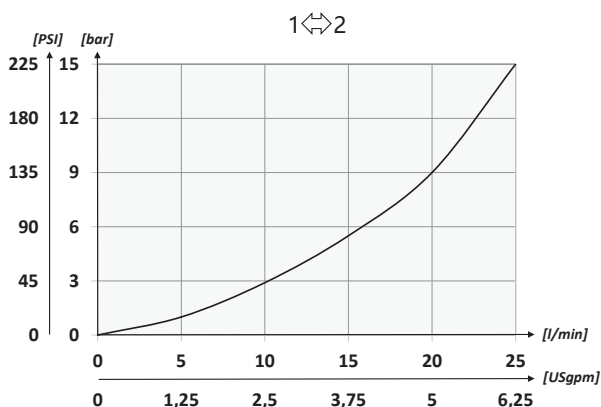
液压符号 HYDRAULIC CIRCUIT



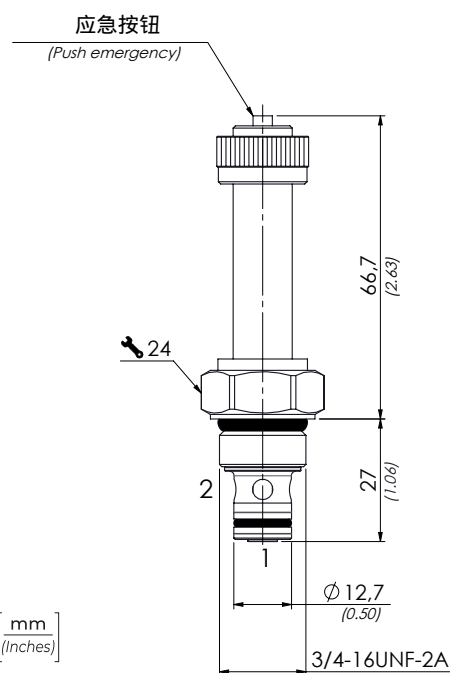
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量 Max leakage		0,25 cm³/min -5滴/分钟 0,015 in³/min - 5 drops/min

性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 Max pressure bar/PSI	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插孔 CAVITY
EDE6	3/4-16UNF-2A	22 (5.8)	210 (3045)	0,13 (0.28)	30 (22)	SAE 8/2

EV7 两位两通电磁阀-SAE8插孔 先导式

2 WAYS/2 POSITIONS SAE8 ELECTRIC VALVES - PILOT OPERATED



选型

ORDERING CODE

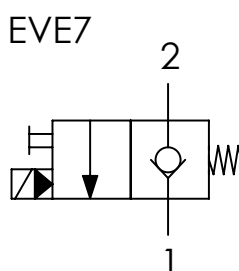
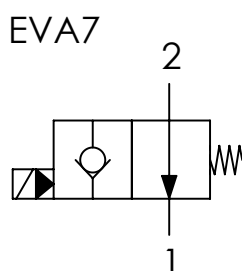
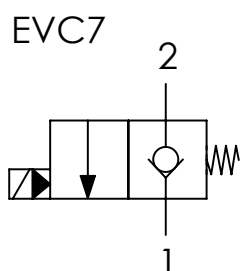
01

EV

02

01	两位两通电磁阀-SAE8插孔 先导式 (2 WAYS/2 POSITIONS SAE8 ELECTRIC VALVES - PILOT OPERATED)		EV
02	原理 (CIRCUIT)	常闭 (Normally closed)	C7
		常闭+应急旋钮 (Normally closed + emergency)	E7
		常开 (Normally open)	A7

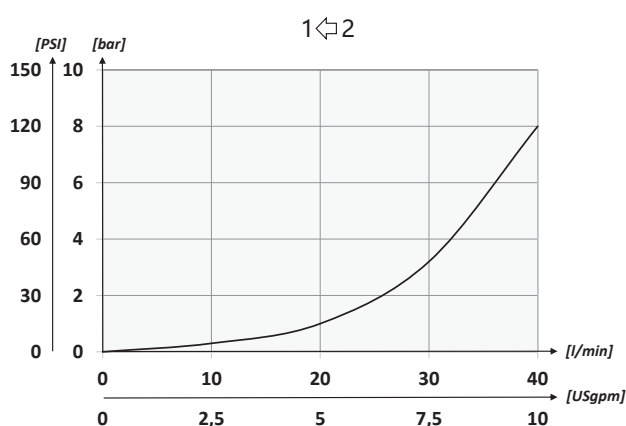
液压符号 HYDRAULIC CIRCUIT



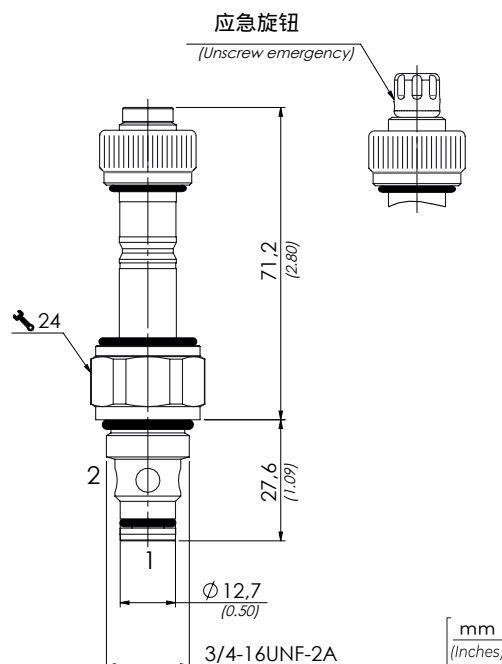
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm³/min - 5滴/分钟 0,015 in³/min - 5 drops/min

性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

技术参数 TECHNICAL CHARACTERISTICS

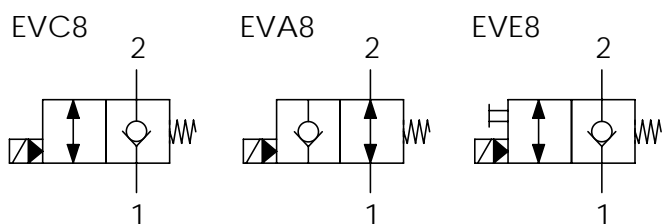
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插孔 CAVITY
EV7	3/4-16UNF-2A	40 (10.8)	350 (5075)	0,16 (0.35)	30 (22)	SAE 8/2

EV8 两位两通电磁阀-SAE8插孔 先导式

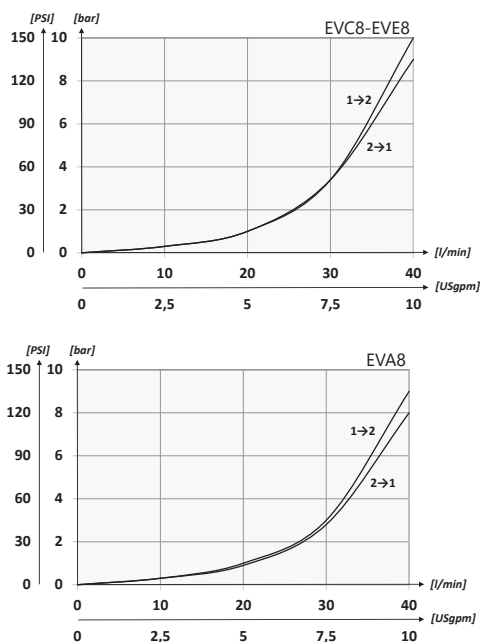
2 WAYS/2 POSITIONS SAE8 ELECTRIC VALVES - PILOT OPERATED



液压符号 HYDRAULIC CIRCUIT



性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

选型

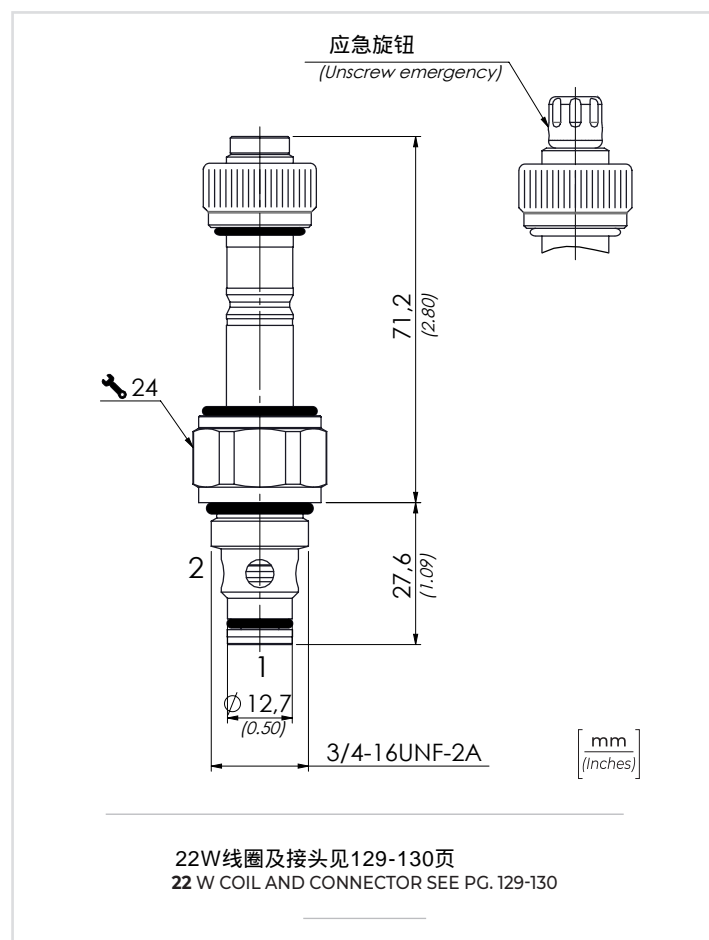
ORDERING CODE

01

02

EV

01	两位两通电磁阀-SAE8插孔 先导式 (2 WAYS/2 POSITIONS SAE8 ELECTRIC VALVES - PILOT OPERATED)		EV
02	原理 (CIRCUIT)	常闭 (Normally closed)	C8
		常闭+应急旋钮 (Normally closed + emergency)	E8
		常开 (Normally open)	A8



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm ³ /min -5滴/分钟 0,015 in ³ /min - 5 drops/min

技术参数

TECHNICAL CHARACTERISTICS

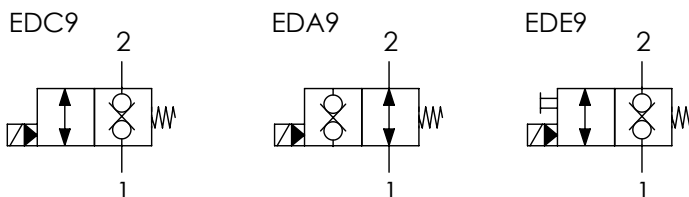
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 TIGHTENING TORQUE Nm-lb ft	插孔 CAVITY
EV8	3/4-16UNF-2A	40 (10.8)	350 (5075)	0,16 (0.35)	30 (22)	SAE 8/2

ED9 两位两通电磁阀-SAE8插孔 双密封 先导式

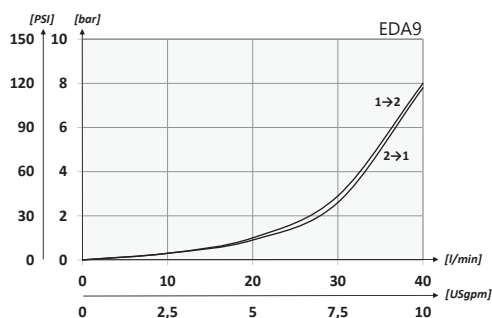
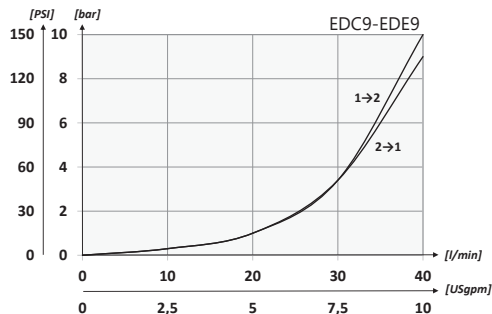
2 WAYS/2 POSITIONS SAE8 DOUBLE SEALING ELECTRIC VALVES - PILOT OPERATED



液压符号 HYDRAULIC CIRCUIT



性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

选型

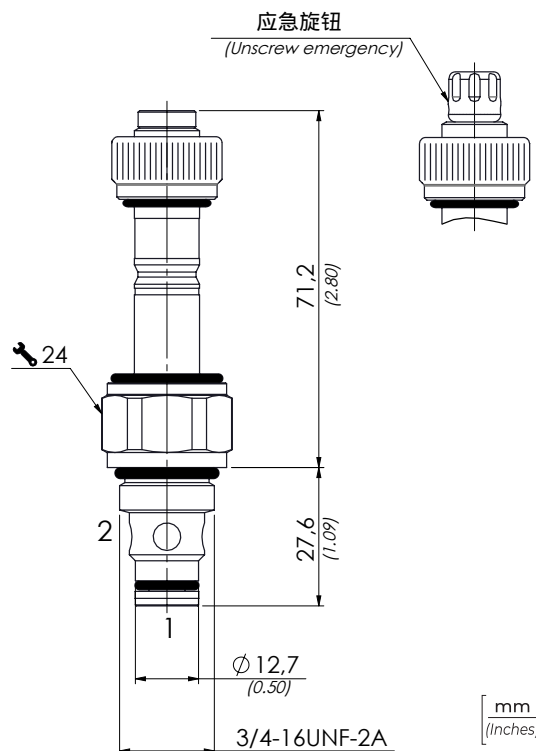
ORDERING CODE

01

ED

02

01	两位两通电磁阀-SAE8插孔 双密封 先导式 (2 WAYS/2 POSITIONS SAE8 DOUBLE SEALING ELECTRIC VALVES - PILOT OPERATED)	ED
02	原理 (CIRCUIT)	常闭 (Normally closed)
		常闭+应急旋钮 (Normally closed + emergency)
		常开 (Normally open)



22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 18/16/13
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)	It is necessary a filter use to protect the valve (advised filtration 15 µm)	
最大泄露量		0,50 cm ³ /min - 10滴/分钟
Max leakage		0,30 in ³ /min - 10 drops/min

技术参数 TECHNICAL CHARACTERISTICS

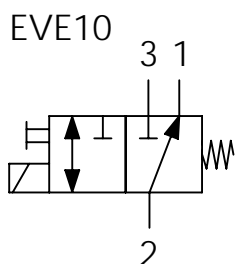
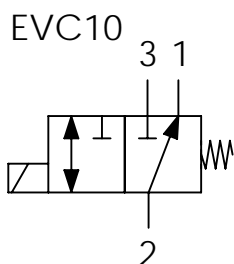
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 (Nm) TIGHTENING TORQUE (lbt ft)	插孔 CAVITY
ED9	3/4-16UNF-2A	40 (10.8)	350 (5075)	0,16 (0.35)	30 (22)	SAE 8/2

EV10 两位三通电磁阀-3孔 SAE8插孔 滑阀 直动式

3 WAYS/2 POSITIONS SAE8 ELECTRIC SPOOL VALVES - DIRECT ACTING



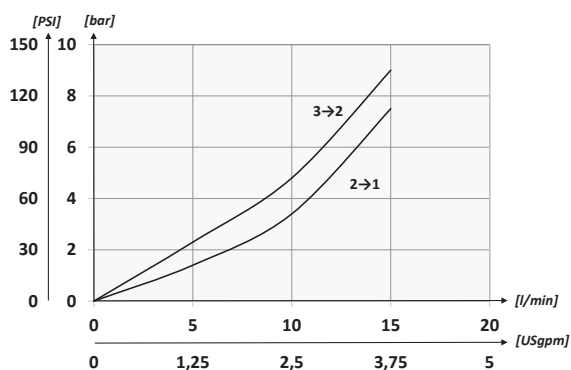
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	60 cm ³ /min 36 in ³ /min

性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

选型

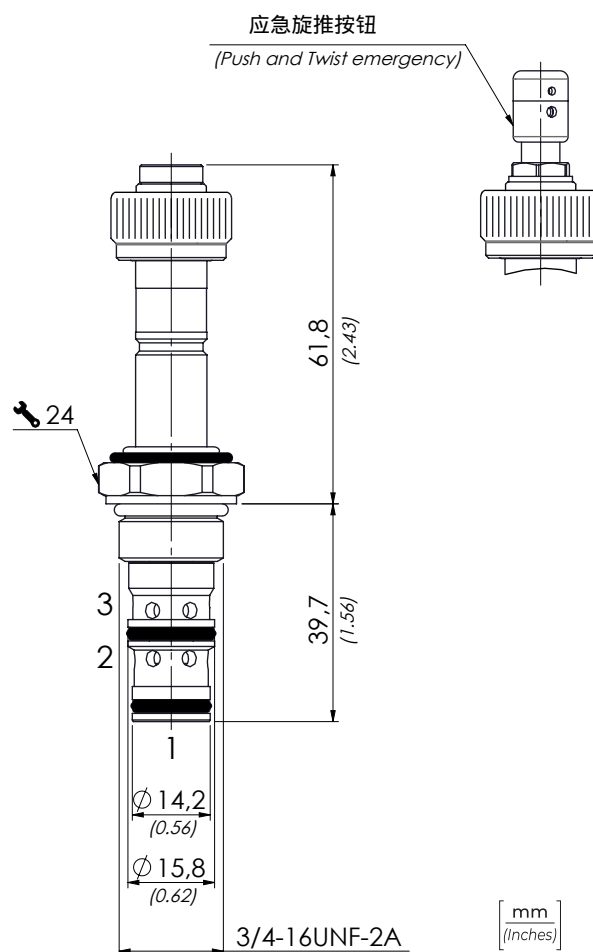
ORDERING CODE

01

02

EV

01	两位三通电磁阀-3孔 SAE8插孔 滑阀 直动式 (3 WAYS/2 POSITIONS SAE8 ELECTRIC SPOOL VALVES - DIRECT ACTING)		EV
02	原理 (CIRCUIT)	见液压符号 (See diagram)	C10
		见液压符号 (See diagram)	E10



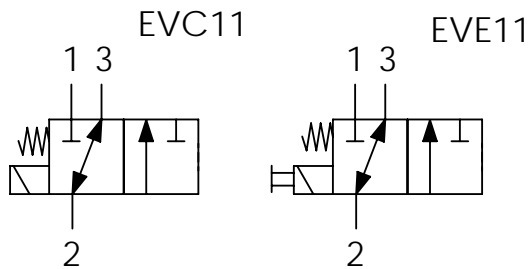
22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 APPROX WEIGHT kg-lb	插孔 CAVITY
EV10	3/4-16UNF-2A	12 (3.2)	210 (3045)	0,15 (0.33)	30 (22)	SAE 8/3



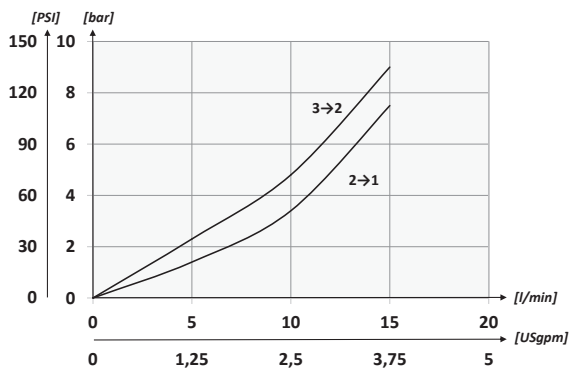
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	60 cm ³ /min 36 in ³ /min

性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

技术参数 TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插孔 CAVITY
EV11	3/4-16UNF-2A	12 (3.2)	210 (3045)	0,15 (0.33)	30 (22)	SAE 8/3

选型

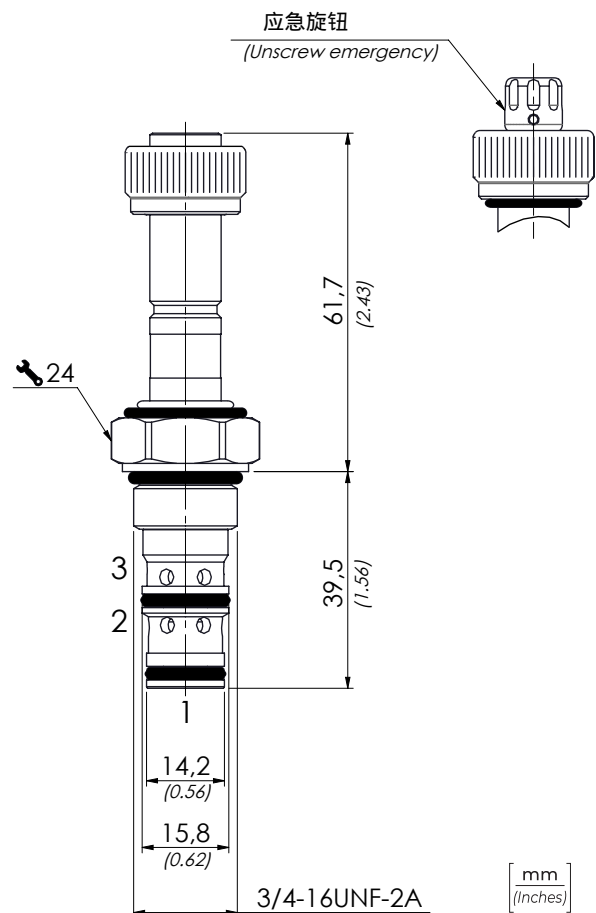
ORDERING CODE

01

EV

02

01	两位三通电磁阀-SAE8插孔 滑阀 直动式 (3 WAYS/2 POSITIONS SAE8 ELECTRIC SPOOL VALVES - DIRECT ACTING)		EV
02	原理 (CIRCUIT)	见液压符号 (See diagram)	C11
		见液压符号 (See diagram)	E11



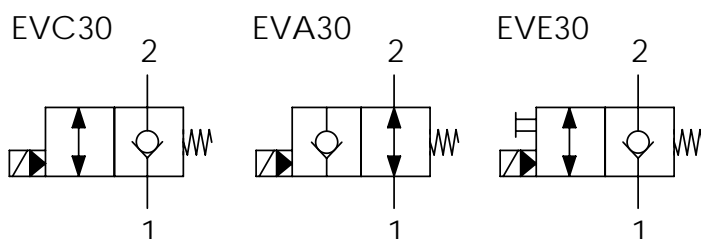
22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

EV30 两位两通电磁阀- SAE10插孔 先导式

2 WAYS/2 POSITIONS SAE10 ELECTRIC VALVES - PILOT OPERATED



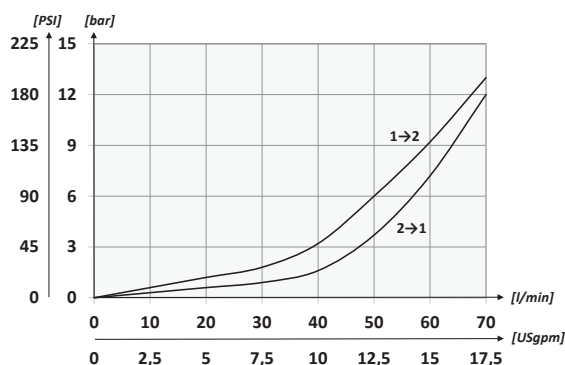
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数		ISO 4406:1999 Classe 18/16/13
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量		0,25 cm ³ /min - 5滴/分钟
Max leakage		0,015 in ³ /min - 5 drops/min

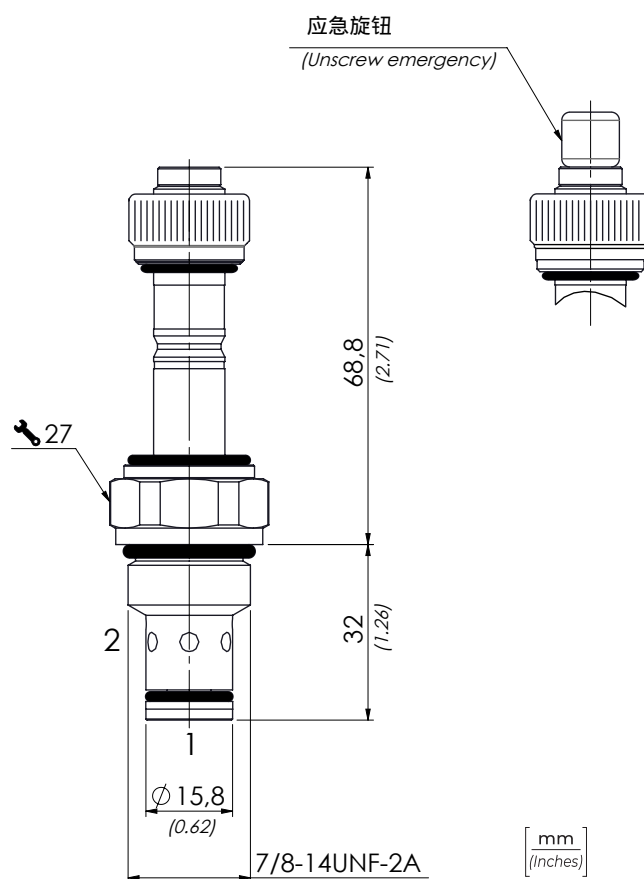
性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

选型 ORDERING CODE

		01	02
		EV	
01	两位两通电磁阀- SAE10插孔 先导式 (2 WAYS/2 POSITIONS SAE10 ELECTRIC VALVES - PILOT OPERATED)		EV
02	原理 (CIRCUIT)	常闭 (Normally closed)	C30
		常闭+应急旋钮 (Normally closed + emergency)	E30
		常开 (Normally open)	A30



22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

技术参数 TECHNICAL CHARACTERISTICS

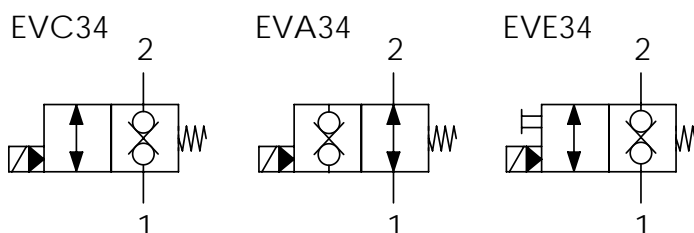
型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 TIGHTENING TORQUE Nm-lb ft	插孔 CAVITY
EV30	7/8-14UNF-2A	70 (18.5)	350 (5075)	0,19 (0.40)	40 (30)	SAE 10/2

EV34 两位两通电磁阀-SAE10插孔双密封 先导式

2 WAYS/2 POSITIONS SAE10 DOUBLE SEALING ELECTRIC VALVES - PILOT OPERATED



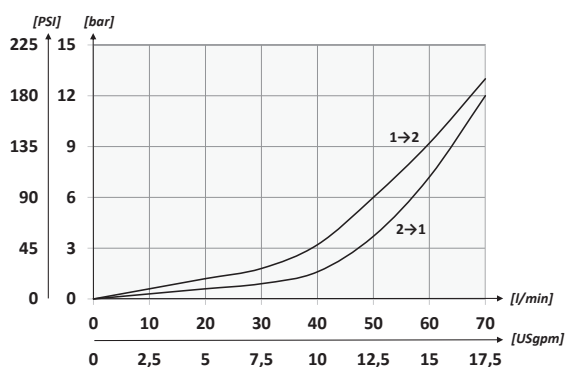
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 18/16/13
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄露量	Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

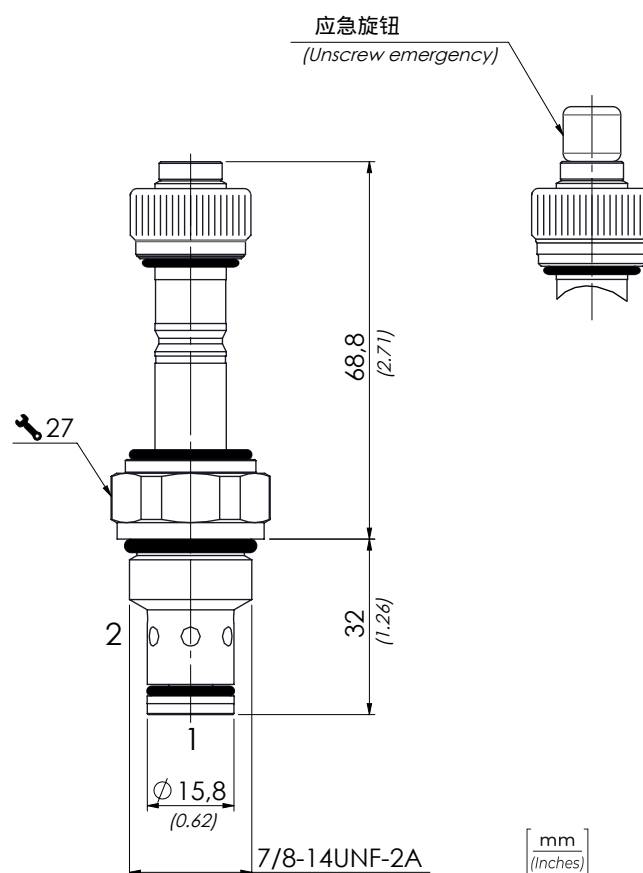
性能曲线 PERFORMANCES



曲线是电磁线圈在其工作温度范围内、电压比正常值低10%条件下测试的
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

选型 ORDERING CODE

	01	02
选型	EV	
01	两位两通电磁阀-SAE10插孔双密封 先导式 (2 WAYS/2 POSITIONS SAE10 DOUBLE SEALING ELECTRIC VALVES - PILOT OPERATED)	EV
02	原理 (CIRCUIT)	常闭 (Normally closed)
		常闭+应急旋钮 (Normally closed + emergency)
		常开 (Normally open)
		C34
		E34
		A34



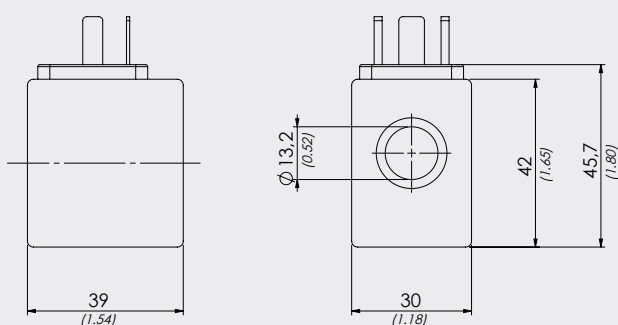
22W线圈及接头见129-130页
22 W COIL AND CONNECTOR SEE PG. 129-130

技术参数 TECHNICAL CHARACTERISTICS

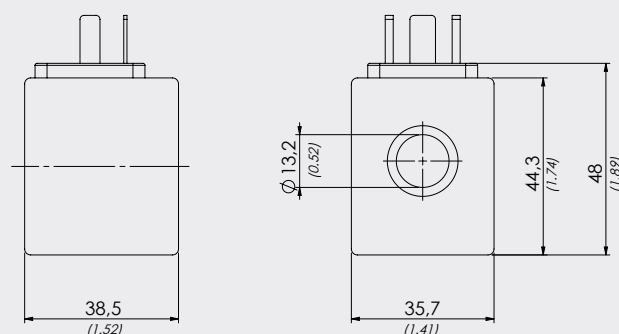
型号 CODE	A	最大流量 MAX FLOW (USgpm)	最大压力 MAX PRESSURE (PSI)	重量 APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插孔 CAVITY
EV34	7/8-14UNF-2A	70 (18.5)	350 (5075)	0,19 (0.40)	40 (30)	SAE 10/2



18W



22W



型号 TYPE	电压 VOLTAGE	接头 CONNECTOR	重量 APPROX WEIGHT
EC012DC	12VDC	Standard DIN 43650 88100002	0,14 kg 0.30 lb
EC024DC	24VDC		
EC22050	220-50/60 Hz	(With rectifier) DIN 43650 88100003	
EC220RAC	220-50/60 Hz		

型号 TYPE	电压 VOLTAGE	接头 STANDARD CONNECTOR	重量 APPROX WEIGHT
EC36012DC	12VDC	Standard DIN 43650 88100002	0,21 kg 0.46 lb
EC36024DC	24VDC		
EC36220RAC	220-50/60 Hz	(With rectifier) DIN 43650 88100003	

技术参数 TECHNICAL DATA

线圈螺母紧固扭矩 COIL NUT TIGHTENING TORQUE	2Nm
功率 A.C ABSORBED POWER IN AC	20 VA
功率 D.C ABSORBED POWER IN DC	18 W
峰值功率 ABSORBED POWER IN PICKUP	28 VA

技术参数 TECHNICAL DATA

线圈螺母紧固扭矩 COIL NUT TIGHTENING TORQUE	2Nm
功率 A.C ABSORBED POWER IN AC	20 VA
功率 D.C ABSORBED POWER IN DC	22 W
峰值功率 ABSORBED POWER IN PICKUP	28 VA

插装阀

CARTRIDGE VALVES

插装阀系列包括：单向阀，压力补偿控制阀，单 / 双向流量控制阀，手动泵，应急阀，分流集流阀，液控单向阀，梭阀和溢流阀。

Cartridge valves family includes: check valves, control pressure compensated valves, unidirectional and bidirectional flow control valves, hand pumps, emergency valves, flow dividers combiners, single acting check valves, load shuttle valves and relief valves.





选型

ORDERING CODE

01

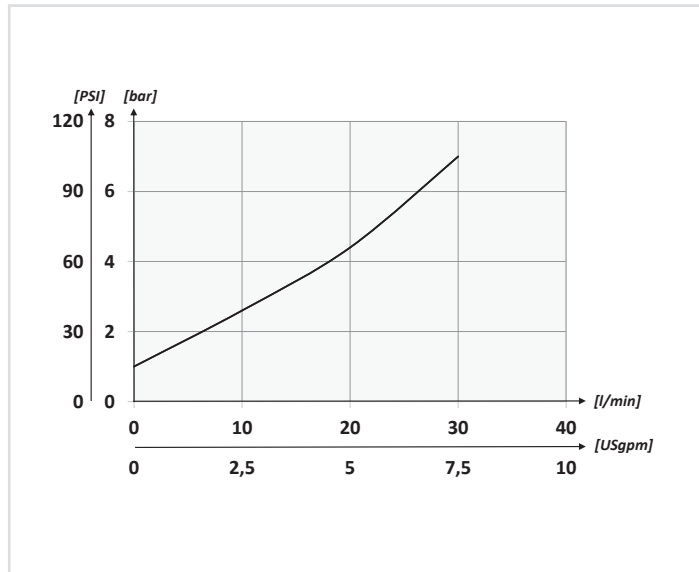
02

03

CUR6

01	单向阀 SAE8 (SAE8 CHECK VALVES)		CUR6
02	密封形式 (SEALING)	球面密封-弹簧力仅为 1 bar (Ball sealing - only spring 14,5 PSI)	SF
		锥面密封 (Poppet sealing)	SP
03	弹簧 (SPRING)	1 bar (14,5 PSI)	1
		3 bar (43,5 PSI)	3
		4,5 bar (65,3 PSI)	4,5

性能曲线



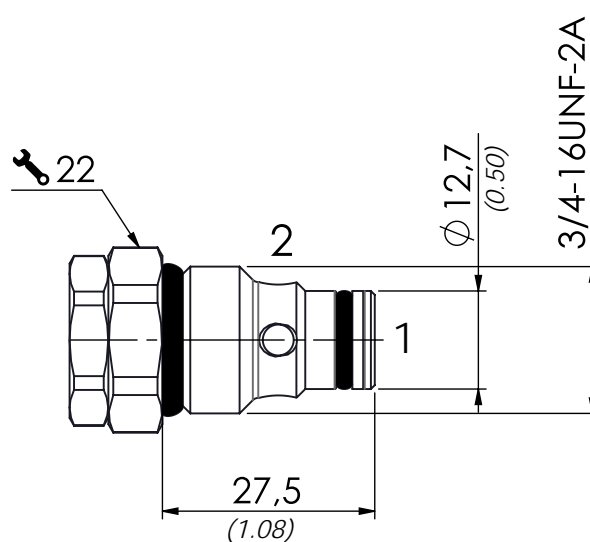
液压符号 / HYDRAULIC CIRCUIT



技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用 15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min

[mm
(Inches)]



技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
CUR6	25 (6.6)	350 (5075)	0,06 (0.13)	25-30 (19-22)	SAE8/2



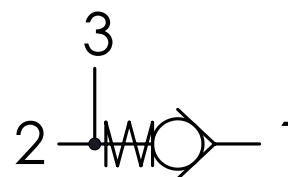
选型

ORDERING CODE

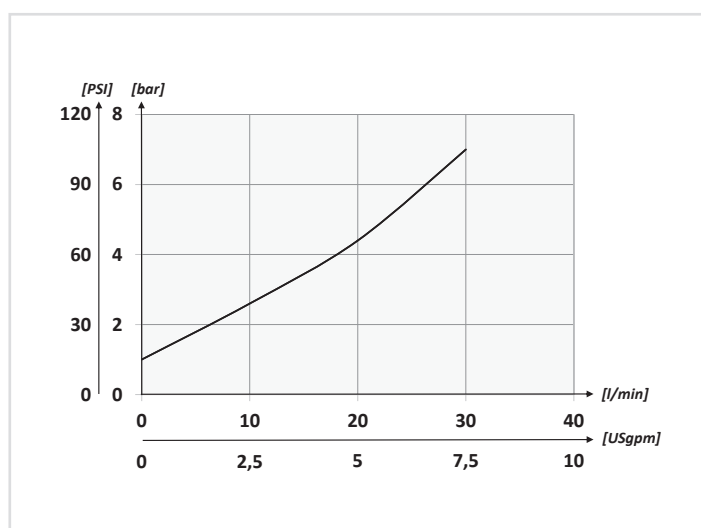
01	02	03	04
CUR6		1	M

01	单向阀（带压力接口） (SAE8 CHECK VALVES WITH PRESSURE CONNECTION)		CUR6
02	密封形式 (SEALING)	球面密封 (Ball sealing)	SF
		锥面密封 (Poppet sealing)	SP
03	弹簧 (SPRING)	1 bar (14.5 PSI)	1
04	带压力接口 (With pressure connection)		M

液压符号/ HYDRAULIC CIRCUIT



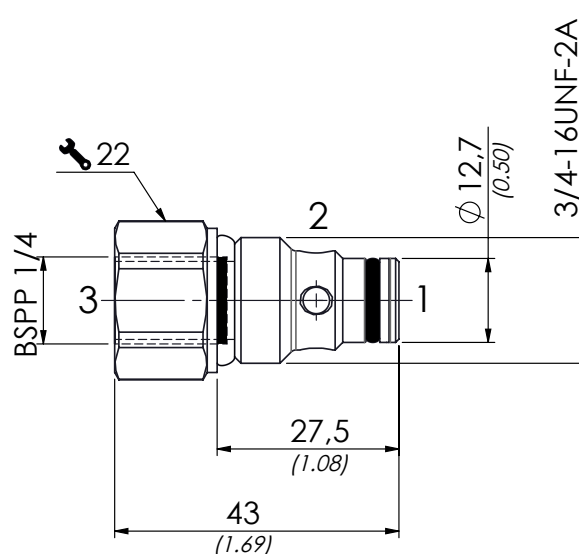
性能曲线



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度	- Oil temperature	-20°C +80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F +122°F
使用带过滤器的系统是必要的（推荐使用15 μm过滤器） It is necessary a filter use to protect the valve (advised filtration 15 μm)			
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min	

mm
(Inches)



技术参数/ TECHNICAL CHARACTERISTICS

型号 CODE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
CUR6M	25 (6.6)	350 (5075)	0,07 (0.15)	25-30 (19-22)	SAE8/2



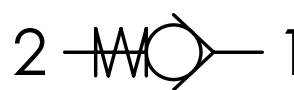
选型

ORDERING CODE

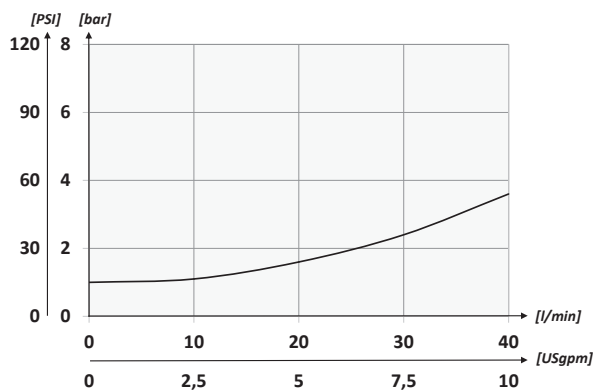
01	02	03
CUR10	SP	

01	单向阀 7/8-14UNF (7/8-14UNF CHECK VALVES)		CUR10
02	密封形式 (SEALING)	锥面密封 (Poppet sealing)	SP
03	弹簧 (SPRING)	1 bar (14.5 PSI)	1

液压符号 / HYDRAULIC CIRCUIT



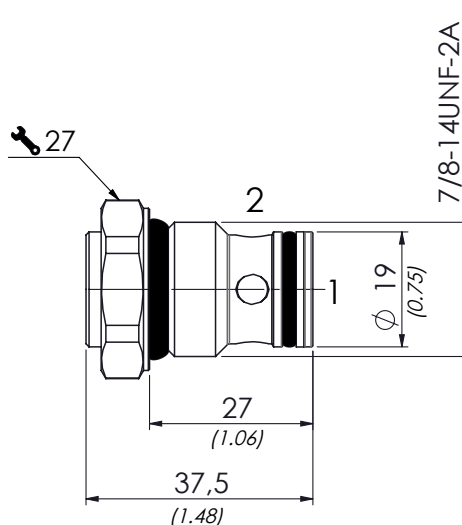
性能曲线



技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

[mm
(Inches)]



技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft
CUR10	40 (10.6)	350 (5075)	0,11 (0.25)	45-50 (33-37)



选型

ORDERING CODE

01

02

03

CUR2015

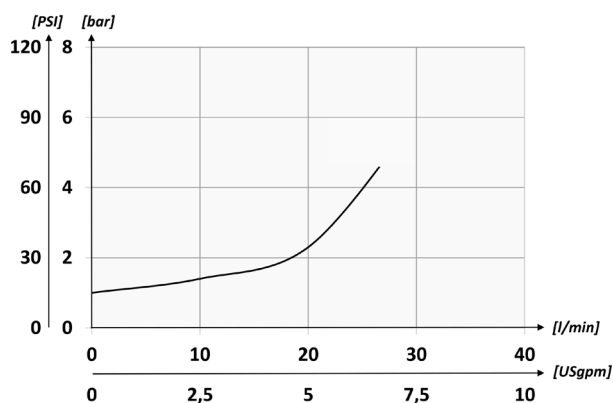
1

01	单向阀 M20x1.5 (M20X1,5 CHECK VALVES)		CUR2015
02	密封形式 (SEALING)	球面密封 (Ball sealing)	SF
		锥面密封 (Poppet sealing)	SP
03	弹簧 (SPRING)	1 bar (14.5 PSI)	1

液压符号/ HYDRAULIC CIRCUIT



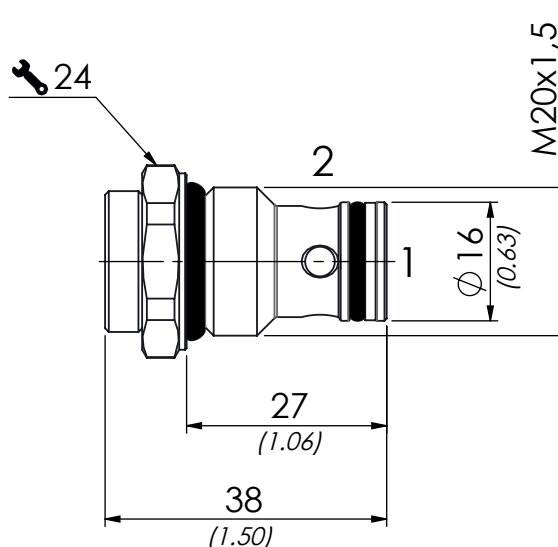
性能曲线



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min

[mm
(Inches)]



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
CUR2015	25 (6.6)	350 (5075)	0,07 (0.15)	25-30 (19-22)	C2015/2

CUR2215 单向阀 M22x1.5

M22X1,5 CHECK VALVES



选型

ORDERING CODE

01

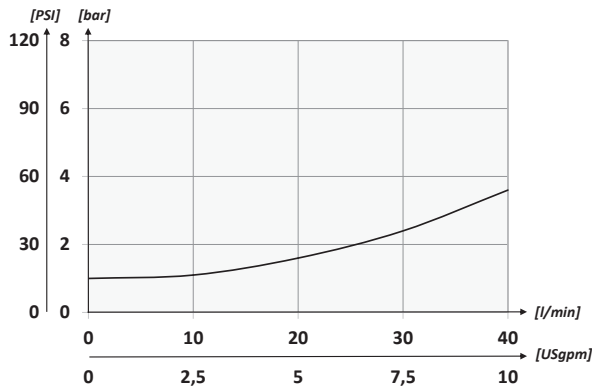
02

03

CUR2215

01	单向阀 M22x1.5 (M22X1,5 CHECK VALVES)		CUR2215
02	密封形式 (SEALING)	球面密封 (Ball sealing)	SF
		锥面密封 (Poppet sealing)	SP
03	弹簧 (SPRING)	1 bar (14.5 PSI)	1
		4,5 bar - 只用于锥面密封 (65.3 PSI - only poppet)	4,5

性能曲线



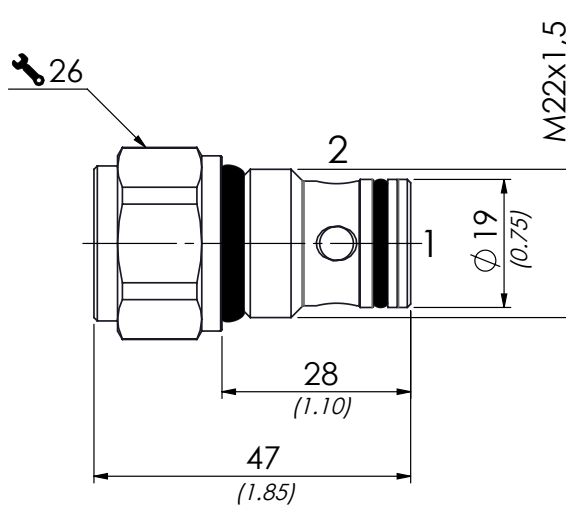
液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	ISO 4406:1999 Classe 19/17/14	
Max contamination index with filter		
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 µm 过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量	0,25 cm³/min - 5滴/min	
Max leakage	0,015 in³/min - 5 drops/min	

mm
(Inches)



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
CUR2215	40 (10.6)	350 (5075)	0,11 (0.25)	45-50 (33-37)	C2215/2

CUR2615 单向阀 M26x1.5

M26X1,5 CHECK VALVES



选型

ORDERING CODE

01

CUR2615

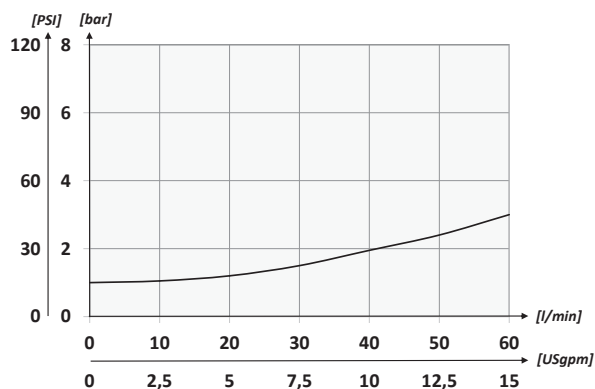
02

SP

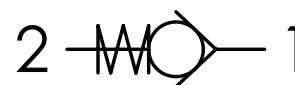
03

01	单向阀 M26x1.5 (M26X1,5 CHECK VALVES)		CUR2615
02	密封形式 (SEALING)	锥面密封 (Poppet sealing)	SP
03	弹簧 (SPRING)	1 bar (14.5 PSI)	1
		4,5 bar (65.3 PSI)	4,5

性能曲线



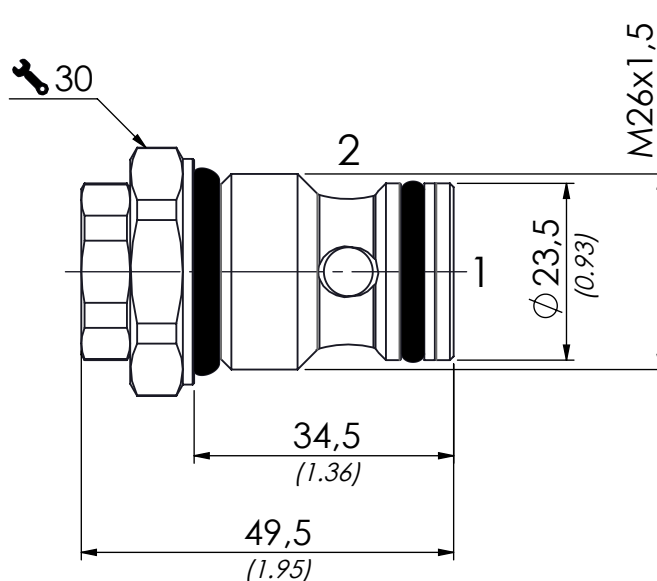
液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度	- Oil temperature	-20°C +80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)			
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min	

[mm
(Inches)]

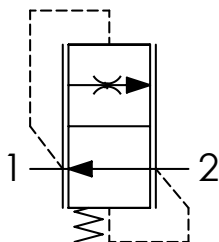


技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
CUR2615	60 (15.8)	350 (5075)	0,15 (0.33)	55-60 (41-45)	C2615/2



液压符号 / HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

VSC6

01	流量控制阀（不可调节）-压力补偿型 SAE 8 (SAE 8 FIXED FLOW CONTROL VALVES - PRESSURE COMPENSATED)	VSC6
02	在100 BAR ± 10%下 的受控流量 (CONTROLLED FLOW AT 100 BAR ± 10 %)	1 l/min (0.26 USgpm)
		2 l/min (0.53 USgpm)
		3 l/min (0.79 USgpm)
		4 l/min (1.06 USgpm)
		5 l/min (1.32 USgpm)
		6 l/min (1.58 USgpm)
		7 l/min (1.85 USgpm)
		8 l/min (2.11 USgpm)
		9 l/min (2.38 USgpm)
		10 l/min (1.64 USgpm)
		11 l/min (2.90 USgpm)
		12 l/min (3.17 USgpm)

技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15 μm 过滤器） It is necessary a filter use to protect the valve (advised filtration 15 μm)		

型号 (TYPE)	Ø C
VSC61	1 (0.04)
VSC62	1,2 (0.05)
VSC63	1,5 (0.06)
VSC64	1,7 (0.07)
VSC65	1,9 (0.07)
VSC66	2,1 (0.08)
VSC67	2,3 (0.09)
VSC68	2,4 (0.09)
VSC69	2,7 (0.11)
VSC610	2,8 (0.11)
VSC611	3,1 (0.12)
VSC612	3,3 (0.13)

技术参数 / TECHNICAL CHARACTERISTICS

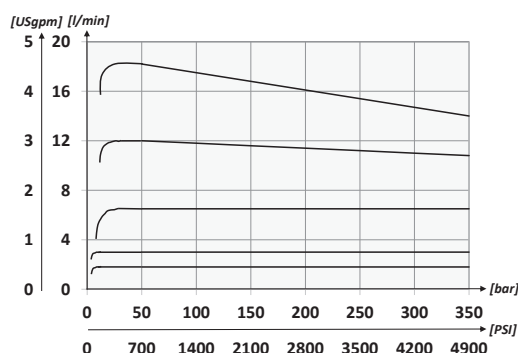
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbft)	紧固扭矩 TIGHTENING TORQUE Nm-lbft	插装孔 CAVITY
VSC6	12 (3.11)	250 (3625)	0,06 (0.15)	25-30 (19-22)	SAE8/2

VCF6 流量控制阀（可调节）-压力补偿型 SAE 8

SAE 8 ADJUSTABLE FLOW CONTROL VALVES - PRESSURE COMPENSATED



性能曲线



选型

ORDERING CODE

01

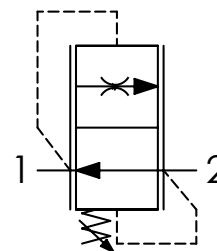
02

03

VCF6

01	流量控制阀（可调节）-压力补偿型 SAE 8 (SAE 8 ADJUSTABLE FLOW CONTROL VALVES - PRESSURE COMPENSATED)	VCF6
02	在100 BAR ± 10%下 的受控流量 (CONTROLLED FLOW AT 100 BAR ± 10 %)	0,6-2,2 l/min (0.16-0.58 USgpm) 1
		0,8-3 l/min (0.21-0.79 USgpm) 2
		1,3-5,1 l/min (0.34-1.35 USgpm) 3
		1,9-6,8 l/min (0.50-1.80 USgpm) 4
		2,6-9,1 l/min (0.69-2.40 USgpm) 5
		4-14,4 l/min (1.06-3.08 USgpm) 6
		7,2-18 l/min (1.90-4.75 USgpm) 7
03	调节装置 (SETTING)	螺钉 (Screw) C
		手柄 (Handknob) 手柄型号 (Type) 12000354 V

液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的（推荐使用15 μm 过滤器） It is necessary a filter use to protect the valve (advised filtration 15 μm)		

型号 (TYPE)	Ø C
VCF61	0,9 (0.04)
VCF62	1 (0.04)
VCF63	1,3 (0.05)
VCF64	1,5 (0.06)
VCF65	1,7 (0.07)
VCF66	2,2 (0.09)
VCF67	2,8 (0.11)

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VCF6	18 (4.8)	350 (5075)	0,12 (0.26)	25-30 (19-22)	SAE8/2



选型

ORDERING CODE

01

02

VBF6

01	节流阀 SAE 8 (SAE 8 BIDIRECTIONAL FLOW CONTROL VALVES)	VBF6
02	螺钉 (Screw)	C
	手柄 (Handknob)	V

液压符号/ HYDRAULIC CIRCUIT

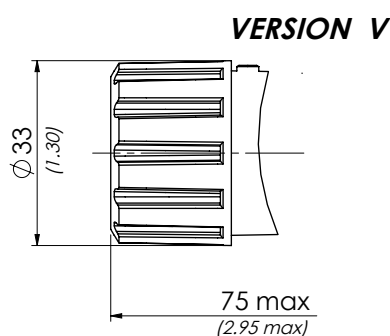
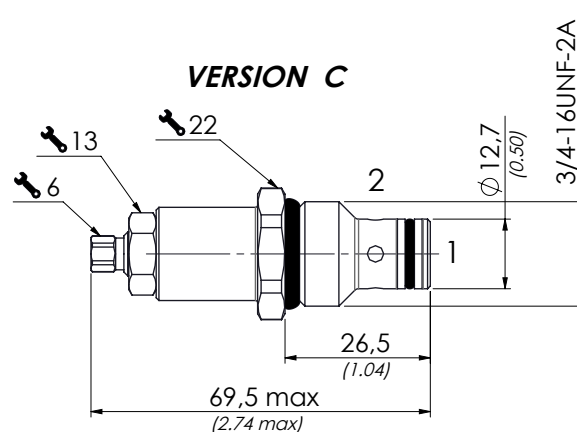
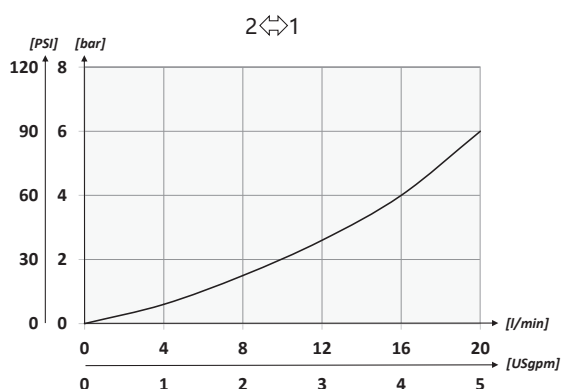


技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F

使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器)
It is necessary a filter use to protect the valve (advised filtration 15 μm)

性能曲线



$\left[\begin{matrix} \text{mm} \\ (\text{inches}) \end{matrix} \right]$

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VBF6	30 (7.9)	350 (5075)	0,09 (0.20)	25-30 (19-22)	SAE8/2



选型

ORDERING CODE

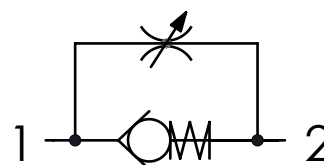
01

02

VRF6

01	单向节流阀 SAE 8 (SAE 8 UNIDIRECTIONAL FLOW CONTROL VALVES)	VRF6
02	螺钉 (SCREW)	C
	手柄 (Handknob) 手柄型号 (Type) I2000275	V

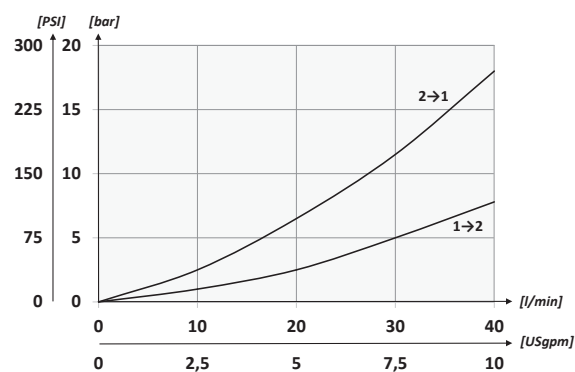
液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F + 176°F
环境温度	- Environment temperature	-20°C +50°C -4°F + 122°F
使用带过滤器的系统是必要的 (推荐使用 15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

性能曲线

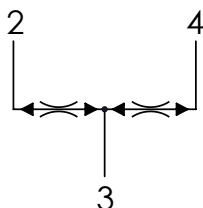


技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 TIGHTENING TORQUE Nm-lbf ft	插装孔 CAVITY
VRF6	40 (10.6)	350 (5075)	0,13 (0.30)	25-30 (19-22)	SAE8/2



液压符号/ HYDRAULIC CIRCUIT



选型

ORDERING CODE

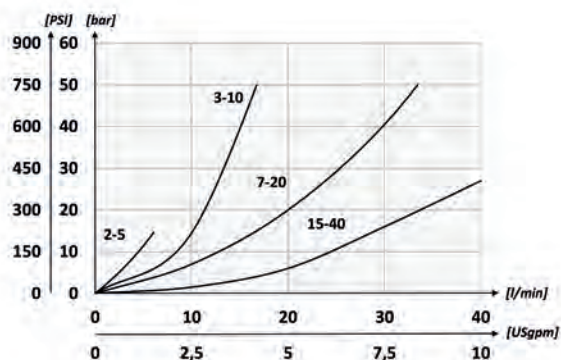
01

02

VDRF10

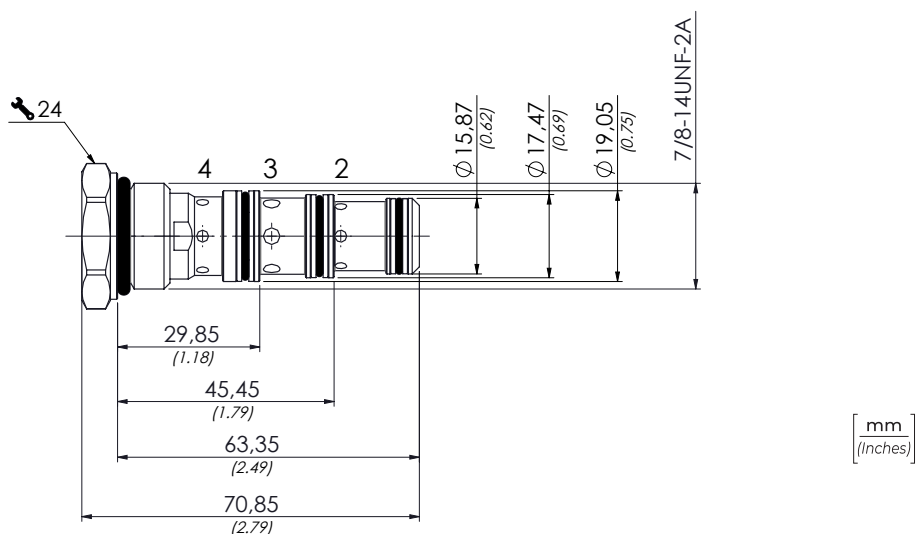
01	插装式分流集流阀 SAE 10 (SAE 10 CARTRIDGE FLOW DIVIDERS/COMBINERS)	VDRF10
02	进油口流量范围 (l/min) Inlet flow range (USgpm)	
	2-5 (0.5-1.3)	1
	3-10 (0.8-2.6)	2
	7-20 (1.8-5.3)	3
	15-40 (4.0-10.6)	4

性能曲线



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VDRF10	40 (10.6)	350 (5075)	0,12 (0.26)	30-35 (22-26)	SAE10/4



选型

ORDERING CODE

01

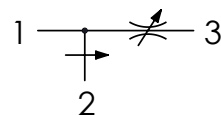
CP10

01

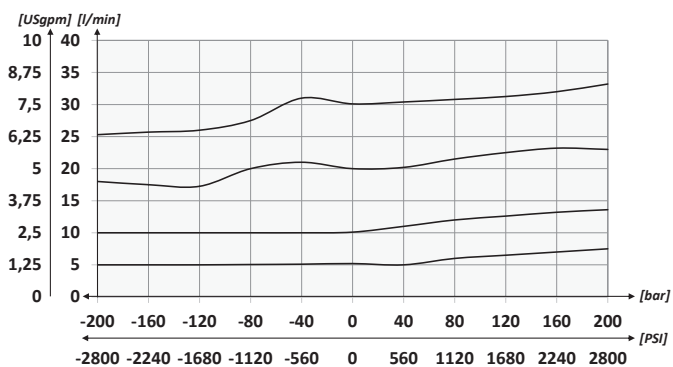
三通流量调节阀-压力补偿型 SAE 10
SAE 10 FLOW REGULATOR 3 WAYS - PRESSURE COMPENSATED

CP10

液压符号/ HYDRAULIC CIRCUIT



性能曲线

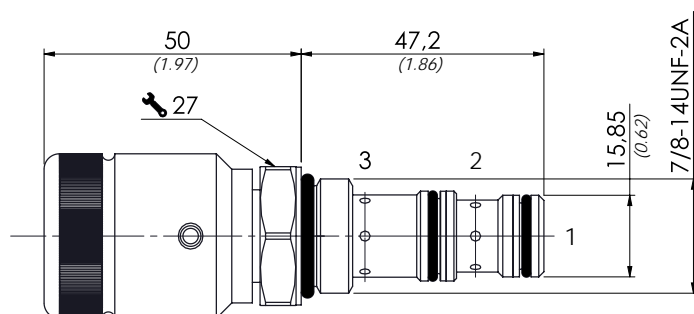


最大流量 (L/MIN) - MAX FLOW (USGPM)

50l/min, 同时流道3的流量达到30l/min (13,3 Usqpm with 8 Usqpm in 3)

技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min



mm
(Inches)

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
CP10	50 (13.26)	350 (5075)	0,20 (0.44)	60-70 (45-52)	SAE10/3



L=190mm的操作杆随本阀一起供货

THE MANUAL OPERATED RELEASE VALVE
IS SUPPLIED WITH ACTING LEVER 7,4 inch LENGHT

选型

ORDERING CODE

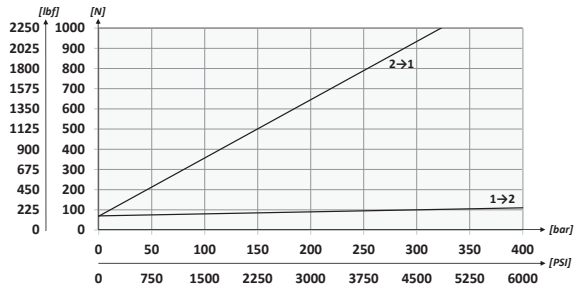
01

02

CM6

01	手动卸荷阀 (MANUAL OPERATED RELEASE VALVES)	CM6
02	不带行程开关 (Without micro-switch)	0
	带行程开关 (With micro-switch)	M

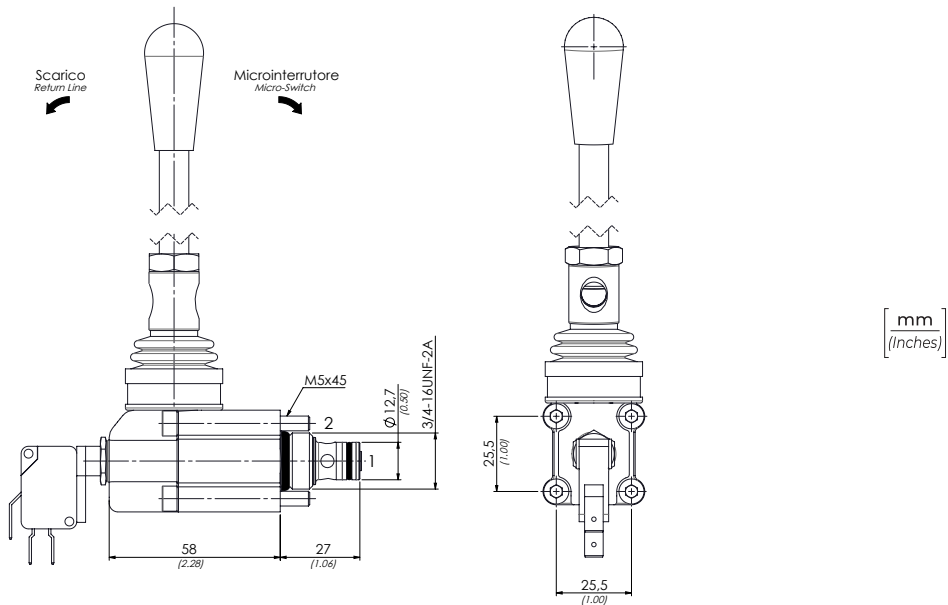
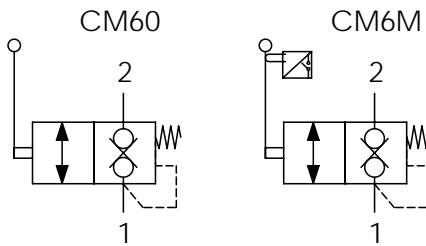
性能曲线



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
最大泄漏量	Max leakage	0,25 cm³/min - 5 drops/min 0,015 in³/min - 5 drops/min

液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbft)	紧固扭矩 TIGHTENING TORQUE Nm-lbf ft	插装孔 CAVITY
CM6	25 (6.6)	320 (4640)	0,41 (0,90)	25-30 (19-22)	SAE8/2



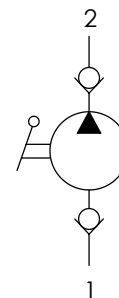
选型

ORDERING CODE

01	02	03
PME		L

01	插装式手动泵 (CARTRIDGE HAND PUMPS)	PME
02	排量 (cm ³) Displacement (in ³)	05 06 07
03	手杆 (Hand lever)	L

液压符号 / HYDRAULIC CIRCUIT



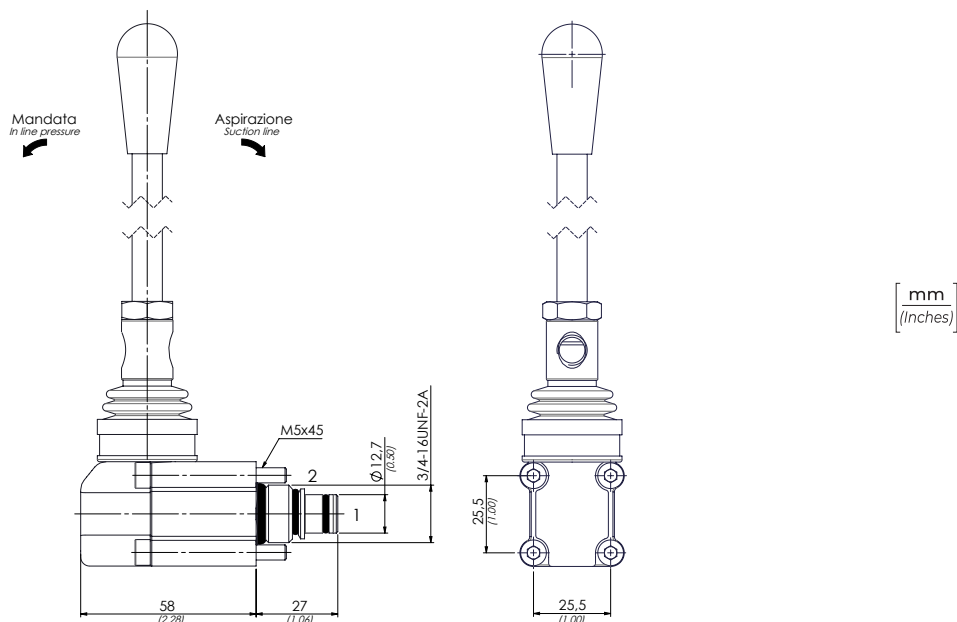
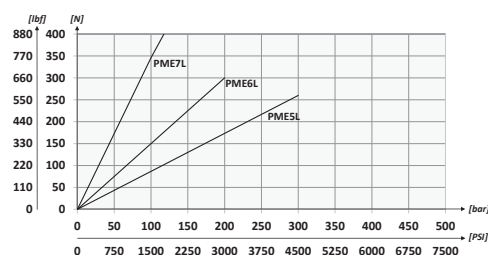
L=270mm的操作杆随本泵一起供货

THE PUMP IS SUPPLIED WITH ACTING LEVER 10,5 inch LENGHT

技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min

性能曲线



技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	排量 (cm ³) DISPLACEMENT (in ³)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 TIGHTENING TORQUE Nm-lb ft	插装孔 CAVITY
PME5L	1 (0.06)	300 (4350)	0,46 (1.01)	25-30 (19-22)	SAE8/2
PME6L	2 (0.12)	200 (2900)			
PME7L	3 (0.18)	120 (1740)			



选型

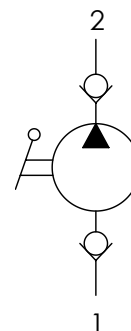
ORDERING CODE

01

PME10

01	插装式手动泵 (CARTRIDGE HAND PUMPS)	PME10
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液压符号 / HYDRAULIC CIRCUIT



L=500mm的操作杆随本泵一起供货

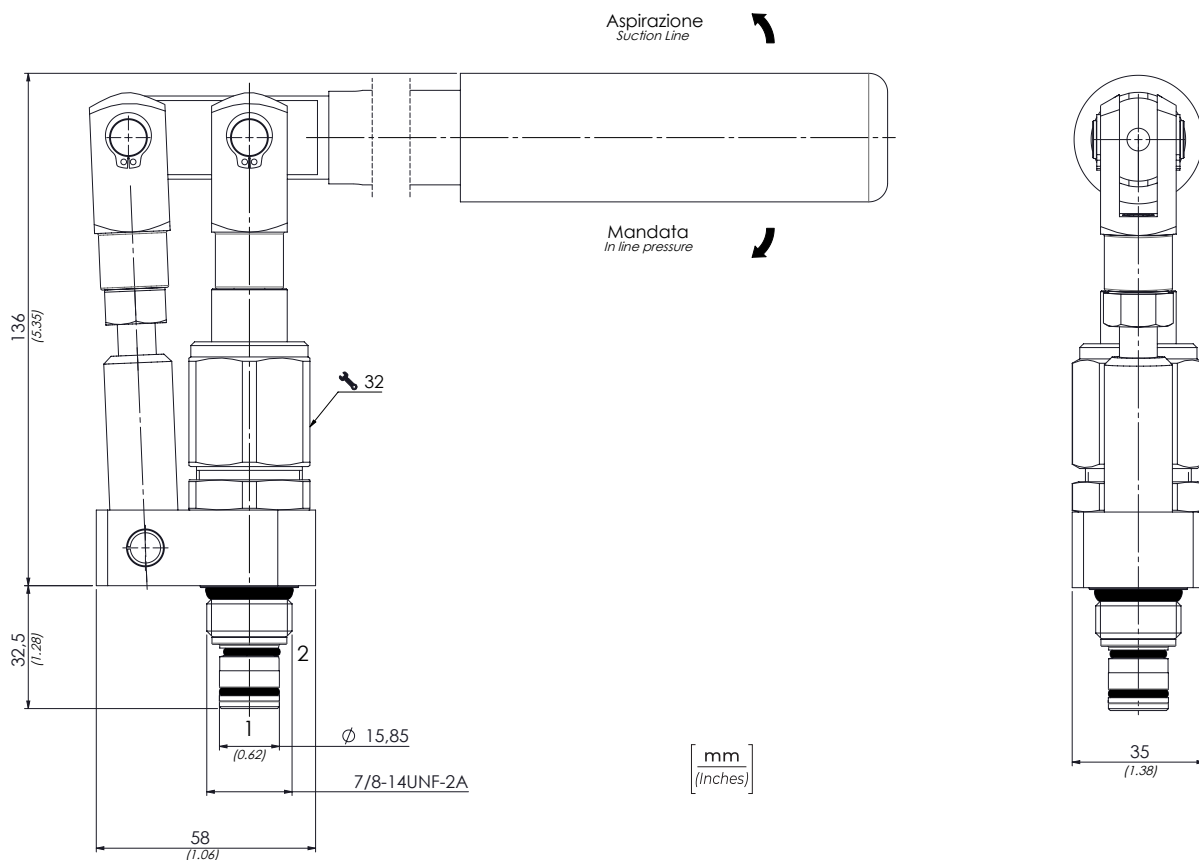
THE PUMP IS SUPPLIED WITH ACTING LEVER 19,6 inch LENGHT

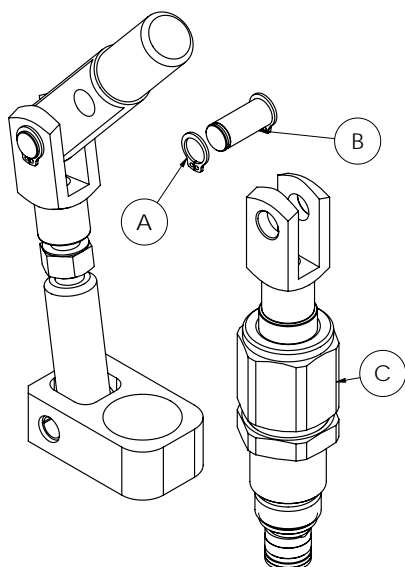
技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	排量 (cm ³) DISPLACEMENT (in ³)	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
PME10	10 (0.6)	200 (2900)	1,9 (4.20)	41-47 (30-35)	SAE10/2

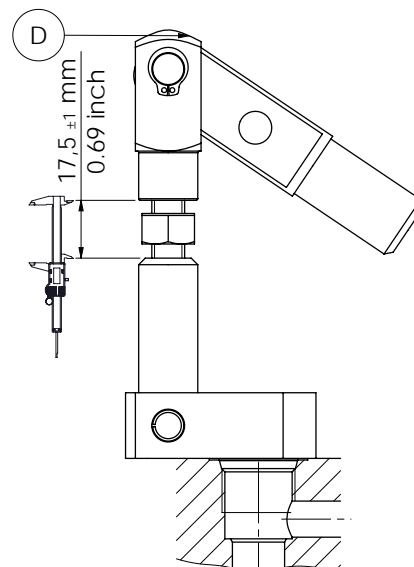




1

拆卸卡簧 (A)，取出销钉 (B)，移除插装阀 (C)。

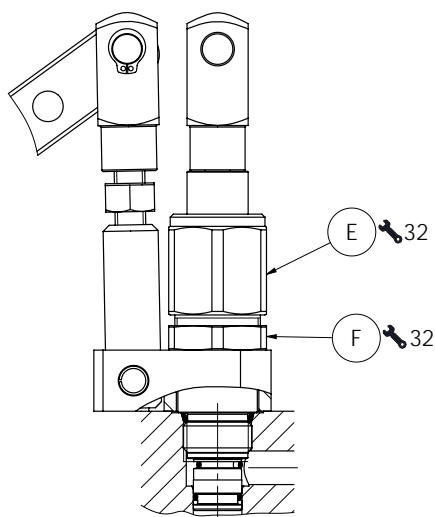
Disassemble the snap ring (A), get out the pin (B), remove the valve (C).



2

将分叉件 (D) 调整至图示位置，将操作杆套件置于靠近插装阀腔体的位置。

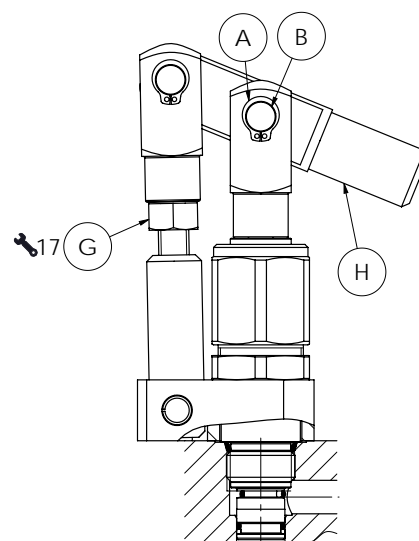
Position the fork (D) at shown dimension; put the lever kit close to the valve cavity.



3

将插装阀 (E) 旋入插装孔 (41-47Nm)；锁紧紧固螺母 (F) (41-47Nm)。

Screw the cartridge (E) in the cavity (30-35 lbft); tighten the lock nut (F)(30-35 lbft).



4

向下放置操作杆 (H)；安装销钉 (B) 和卡簧 (A)；拧紧螺母 (G) (33-53Nm)。

Place the lever (H) downward; assemble the pin (B) and the snap ring (A); tighten the nut (G) (45-72 lbft).



选型
ORDERING CODE

01

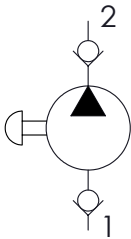
PME5P

01	插装式手动泵 (CARTRIDGE HAND PUMPS)	PME5P
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技术参数/ TECHNICAL DATA

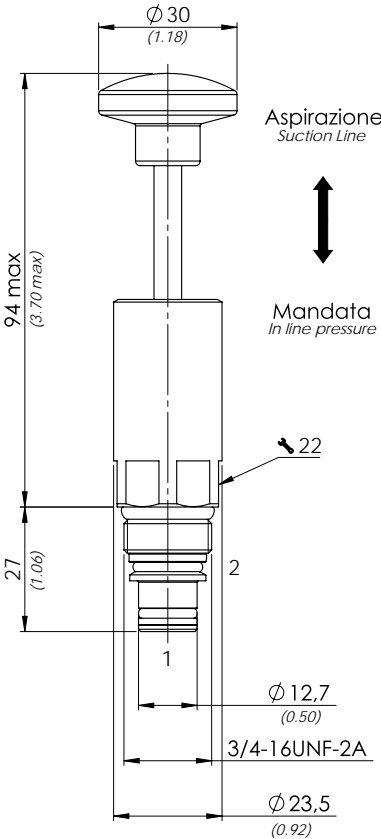
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

液压符号/HYDRAULIC CIRCUIT



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	排量 (cm ³) DISPLACEMENT (in ³)	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
PME5P	1 (0.06)	50 (725)	0,2 (0.44)	34-41 (25-30)	SAE8/2



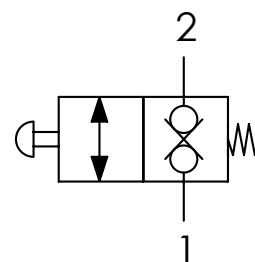
[mm
(Inches)]



选型	01	02
ORDERING CODE	VEM	

01	手动应急阀 (MANUAL EMERGENCY VALVES)		VEM
02	螺纹规格 (SIZE)	3/4-16UNF	6
		7/8-14UNF	10

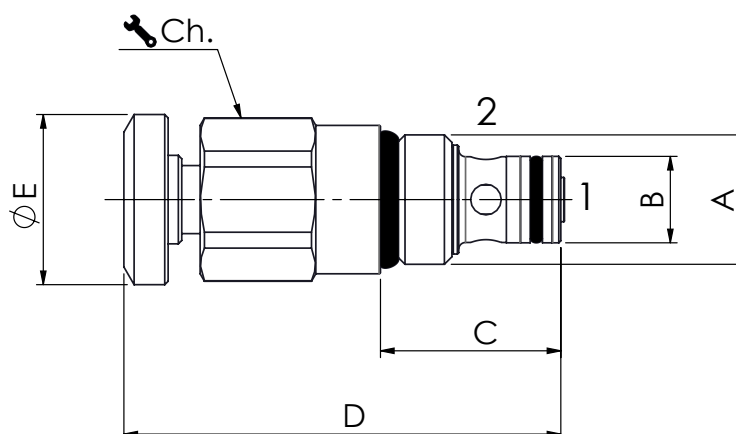
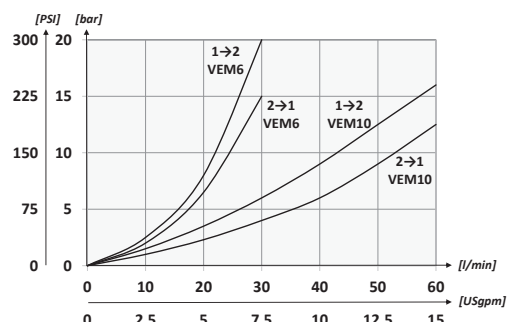
液压符号 / HYDRAULIC CIRCUIT



技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏量	Max leakage	0,25 cm ³ / min - 5滴/min 0,015 in ³ /min - 5 drops/min

性能曲线



[mm]
[inches]

技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	Ch.	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 Cavity
VEM6	3/4-16UNF-2A	30 (7.9)	320 (4640)	12,7 (0.5)	26,5 (1.04)	35 (1.38)	25 (0.98)	22	0,12 (0.27)	25-30 (19-22)	SAE8/2
VEM10	7/8-14UNF-2A	50 (13.2)		15,80 (0.62)	32,5 (1.28)	43,5 (1.71)	29 (1.14)	27	0,20 (0.44)	41-47 (30-35)	SAE10/2



选型

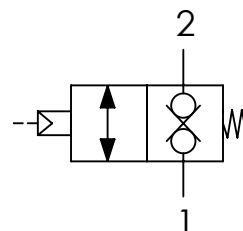
ORDERING CODE

01

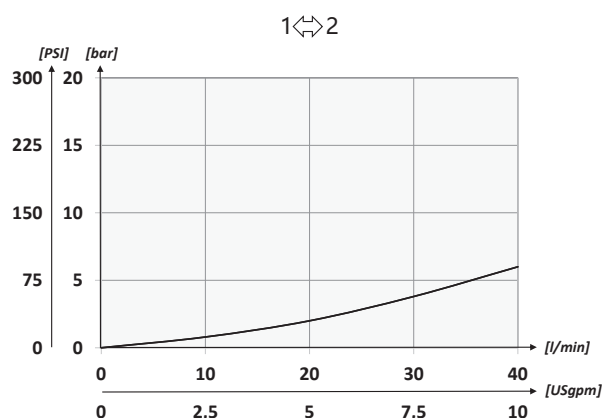
VPN6

01	气动开关阀SAE 8 (SAE 8 PNEUMATIC VALVES)	VPN6
----	--	------

液压符号/HYDRAULIC CIRCUIT

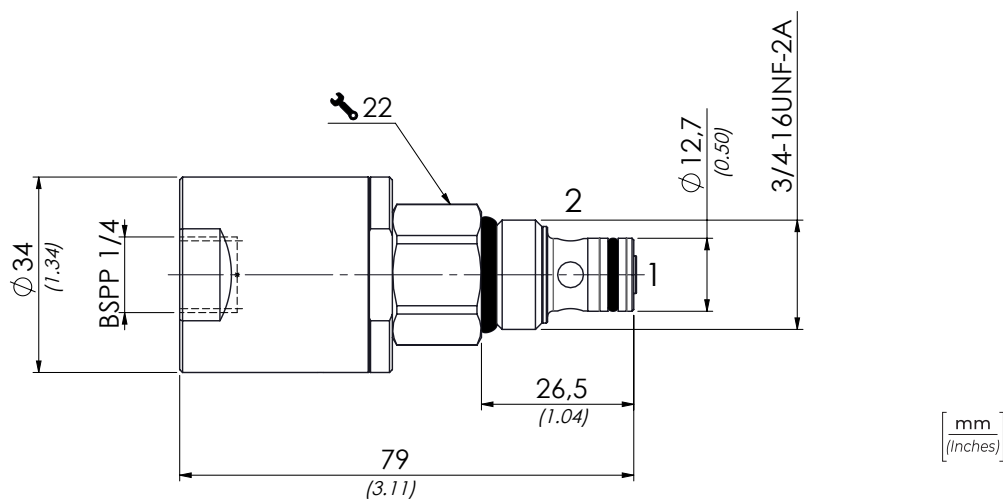


性能曲线



技术参数/TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏量	Max leakage	0,25 cm ³ /min - 5滴/min 0,015 in ³ /min - 5 drops/min

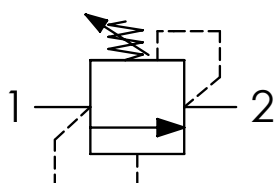


技术参数/ TECHNICAL CHARACTERISTICS

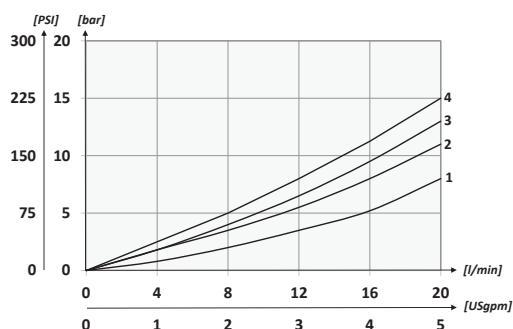
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY	先导压力 PILOT PRESSURE bar-PSI
VPN6	30 (7.9)	350 (5075)	0,16 (0.35)	25-30 (19-22)	SAE8/2	4/15 (58/218)



液压符号/ HYDRAULIC CIRCUIT



性能曲线

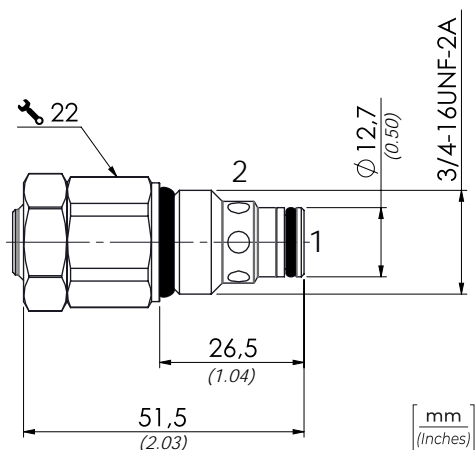


选型	01	02	03	04
ORDERING CODE	VMD1	C		N

01	直动式溢流阀 SAE 8 (SAE8 DIRECT ACTING PRESSURE RELIEF VALVES)		VMD1
02	调节装置 (SETTING)	调压增量 (Key)	C
03	弹簧 (SPRING) 10/40 bar (145/580PSI) max	20 bar/al giro (290 PSI/turn)	1
	弹簧 (SPRING) 20/110 bar (290/1595 PSI) max	40 bar/al giro (580 PSI/turn)	2
	弹簧 (SPRING) 30/210 bar (435/3045 PSI) max	70 bar/al giro (1015 PSI/turn)	3
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	130 bar/al giro (1885 PSI/turn)	4
04	版本 (Version)		N

技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



OPTION
SAFETY CAP
Cod. 12000380

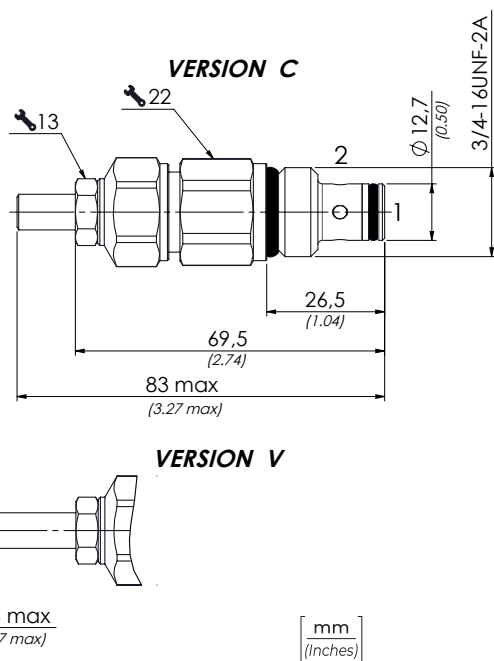
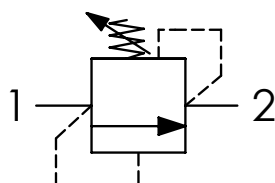


技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VMD1N	20 (5.3)	350 (5075)	0,11 (0.24)	25-30 (19-22)	SAE8/2



液压符号/HYDRAULIC CIRCUIT



技术参数/TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lb)	紧固扭矩 TIGHTENING TORQUE Nm-lb ft	插装孔 CAVITY
VMD10	20 (5.3)	350 (5075)	0,14 (0.30)	25-30 (19-22)	SAE8/2

选型

ORDERING CODE

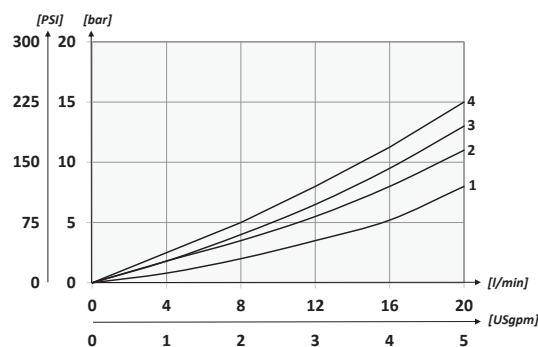
01	02	03
VMD10		

01	直动式溢流阀 SAE 8 (SAE8 DIRECT ACTING PRESSURE RELIEF VALVES)		VMD10
02	调节装置 (SETTING)	内六角螺钉 (Hex socket screw)	可选: 防松盖帽 (Optional: Tamper proof cap) 81300037
		手柄 (Handknob) 手柄型号 (Type) 81300109	C
03	弹簧 (SPRING) 10/40 bar (145/580 PSI) max	12 bar/al giro (174 PSI/turn)	1
	弹簧 (SPRING) 20/110 bar (290/1595 PSI) max	37 bar/al giro (537 PSI/turn)	2
	弹簧 (SPRING) 30/210 bar (435/3045 PSI) max	67 bar/al giro (972 PSI/turn)	3
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	131 bar/al giro (1900 PSI/turn)	4

技术参数/ TECHNICAL DATA

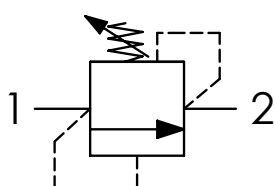
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

性能曲线





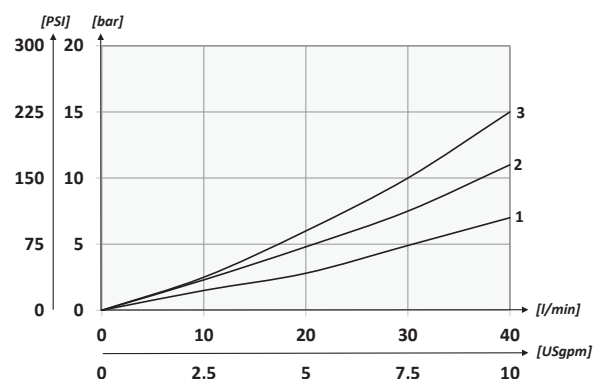
液压符号 / HYDRAULIC CIRCUIT



选型	01	02	03
ORDERING CODE	VMD8		

01	直动式溢流阀 SAE 10 (SAE10 DIRECT ACTING PRESSURE RELIEF VALVES)		VMD8
02	调节装置 (SETTING)	内六角螺钉 (Hex socket screw)	可选： 防松盖帽 (Optional: Tamper proof cap) 81300095
		手柄 (Handknob) 手柄型号 (Type) 81300023	
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	20 bar/al giro (290 PSI/turn)	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	48 bar/al giro (696 PSI/turn)	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	85 bar/al giro (1233 PSI/turn)	3

性能曲线



技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

技术参数 / TECHNICAL CHARACTERISTICS

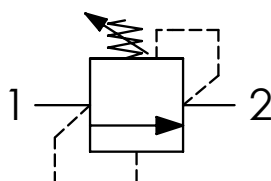
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VMD8	40 (10.6)	350 (5075)	0,17 (0.37)	41-47 (30-35)	SAE10/2

VMD30 直动式溢流阀 M20x1.5

M20X1,5 DIRECT ACTING PRESSURE RELIEF VALVES



液压符号/ HYDRAULIC CIRCUIT



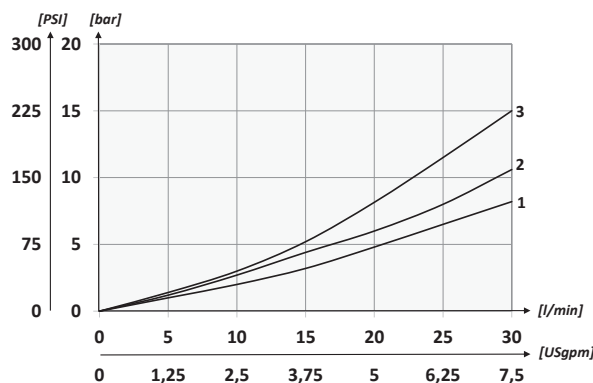
选型

ORDERING CODE

01	02	03
VMD30		

01	直动式溢流阀 M20x1.5 (M20X1,5 DIRECT ACTING PRESSURE RELIEF VALVES)		VMD30
02	调节装置 (SETTING)	内六角螺钉 (Hex socket screw)	可选： 防松盖帽 (Optional: Tamper proof cap) 81300095
		手柄 (Handknob) 手柄型号 (Type) 81300109	C V
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	14 bar/al giro (203 PSI/turn)	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	39 bar/al giro (566 PSI/turn)	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	84 bar/al giro (1218 PSI/turn)	3

性能曲线



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

技术参数/ TECHNICAL CHARACTERISTICS

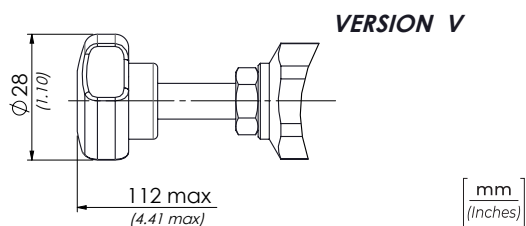
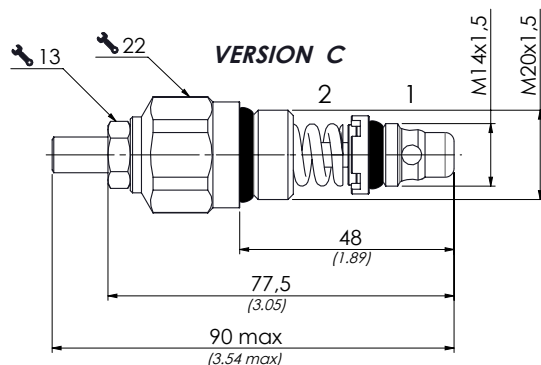
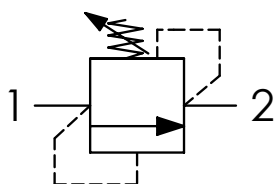
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VMD30	30 (7.9)	320 (4640)	0,16 (0.35)	25-30 (19-22)	C2015/30

VMD40S 直动式溢流阀 M20x1.5

M20X1,5 DIRECT ACTING PRESSURE RELIEF VALVES



液压符号/ HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

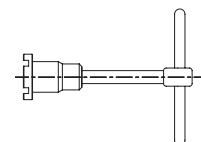
02

03

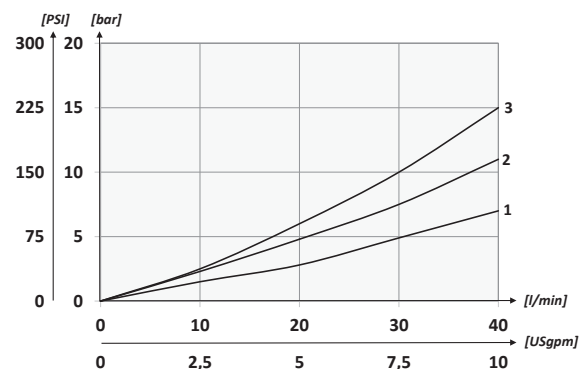
VMD40S

01	直动式溢流阀 M20x1.5 (M20X1,5 DIRECT ACTING PRESSURE RELIEF VALVES)		VMD40S
02	调节装置 (SETTING)	内六角螺钉 (Hex socket screw)	可选 : 防松盖帽 (Optional: Tamper proof cap) 81300037
		手柄 (Handknob) 手柄型号 (Type) 81300109	C V
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	12 bar/al giro (174 PSI/turn)	1
	弹簧 (SPRING) 20/210 bar (290/3045 PSI) max	33 bar/al giro (479 PSI/turn)	2
	弹簧 (SPRING) 70/350 bar (1015/5075 PSI) max	70 bar/al giro (1015 PSI/turn)	3

工具 (TOOL)
61700008



性能曲线



技术参数/ TECHNICAL DATA

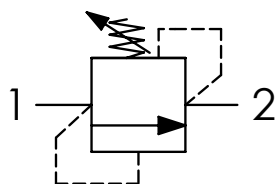
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	- Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用 15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VMD40S	40 (10.6)	350 (5075)	0,13 (0.29)	M20 40/45 (30-34) M14 10/15 (7-11)	C2015/1415/2



液压符号/ HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

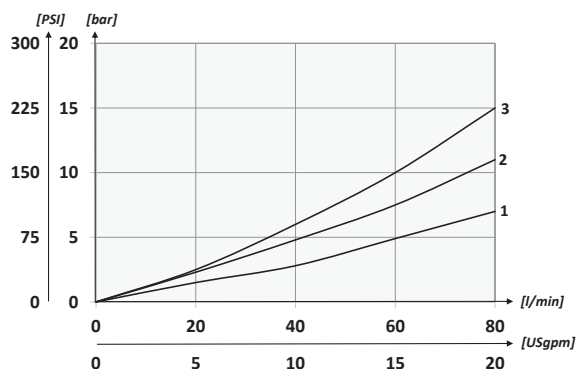
02

03

VMD90

01	直动式溢流阀 M24x1.5 (M24X1,5 DIRECT ACTING PRESSURE RELIEF VALVE)		VMD90
02	调节装置 (SETTING)	内六角螺钉 (Hex socket screw)	可选： 防松盖帽 (Optional: Tamper proof cap) 81300095
		手柄 (Handknob) 手柄型号 (Type) 81300023	C V
03	弹簧 (SPRING) 10/90 bar (145/1305 PSI) max	26 bar/al giro (377 PSI/turn)	1
	弹簧 (SPRING) 20/250 bar (290/3625 PSI) max	41 bar/al giro (595 PSI/turn)	2
	弹簧 (SPRING) 50/350 bar (725/5075 PSI) max	91 bar/al giro (1320 PSI/turn)	3

性能曲线



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器)		
It is necessary a filter use to protect the valve (advised filtration 15 μm)		

技术参数/ TECHNICAL CHARACTERISTICS

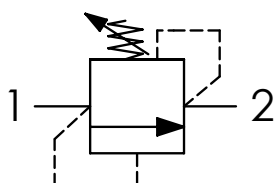
型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY
VMD90	80 (21.1)	350 (5075)	0,25 (0.55)	60-65 (45-49)	C2415/2

VMD120 直动式溢流阀 M28x1.5

M28X1,5 DIRECT ACTING PRESSURE RELIEF VALVES



液压符号/ HYDRAULIC CIRCUIT

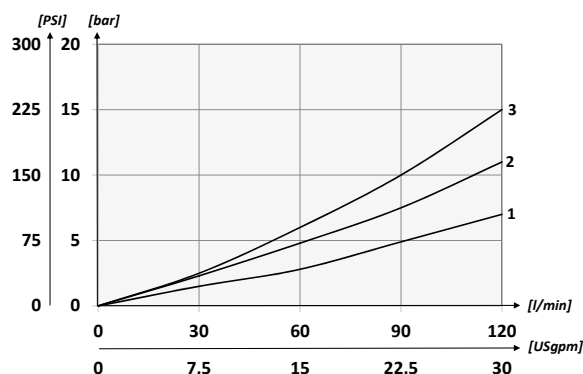


CODICE ORDINAZIONE
ORDERING CODE

01	02	03
VMD120		

01	直动式溢流阀 M28x1.5 (M28X1,5 DIRECT ACTING PRESSURE RELIEF VALVE)		VMD120
02	调节装置 (SETTING)	内六角螺钉 (Hex socket screw)	可选： 防松盖帽 (Optional: Tamper proof cap) 81300095
		手柄 (Handknob) 手柄型号 (Type) 81300023	C V
03	弹簧 (SPRING) 10/100 bar (145/1450 PSI) max	21 bar/al giro (305 PSI/turn)	1
	弹簧 (SPRING) 20/250 bar (290/3625 PSI) max	48 bar/al giro (696 PSI/turn)	2
	弹簧 (SPRING) 40/350 bar (580/5075 PSI) max	55 bar/al giro (798 PSI/turn)	3

性能曲线



技术参数/TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

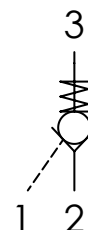
技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 Cavity
VMD120	120 (31.7)	350 (5075)	0,32 (0.70)	60-65 (45-49)	C2815/2



选型 ORDERING CODE	01	02
	VPR	
01	液控单向阀 (SINGLE ACTING PILOT CHECK VALVES)	
02	螺纹规格 (SIZE)	3/4-16UNF
		7/8-14UNF
		08
		10

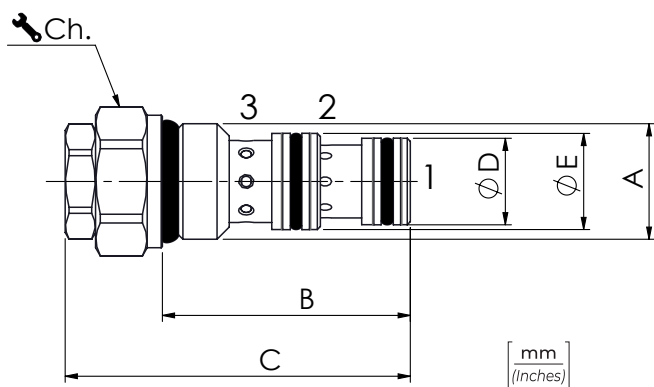
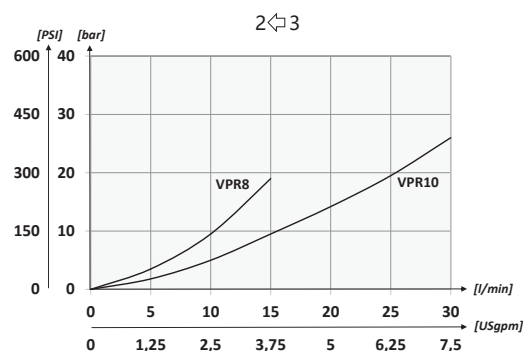
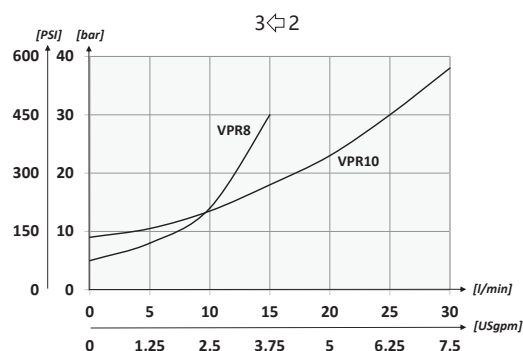
液压符号 / HYDRAULIC CIRCUIT



技术参数 / TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

性能曲线



技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	重量 APPROX WEIGHT kg-lbt	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	先导比 PILOT RATIO	插装孔 CAVITY	Ch. Key
VPR08	3/4-16UNF	15 (4)	350 (5075)	41 (1.61)	57 (2.24)	14,2 (0.56)	15,8 (0.62)	0,09 (0.19)	25-30 (19-22)	1:2.5	SAE8/3	22
VPR10	7/8 - 14UNF	30 (7.9)		47 (1.85)	59 (2.32)	15,8 (0.62)	17,4 (0.69)	0,11 (0.25)	41-47 (30-35)	1:3	SAE10/3	27

VPR22 液控单向阀 M22x1.5

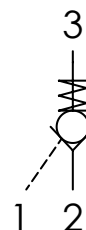
M22X1,5 SINGLE ACTING PILOT CHECK VALVES



选型	01	02	03	04
ORDERING CODE	VPR	22	SP	

01	液控单向阀 M22x1.5 (M22X1,5 SINGLE ACTING PILOT CHECK VALVES)		VPR
02	螺纹规格 (SIZE)	M22x1,5	22
03	密封形式 (SEALING)	锥面密封 (Poppet sealing)	SP
04	弹簧 (SPRING)	5 bar (72,5 PSI)	5
		8 bar (116 PSI)	8

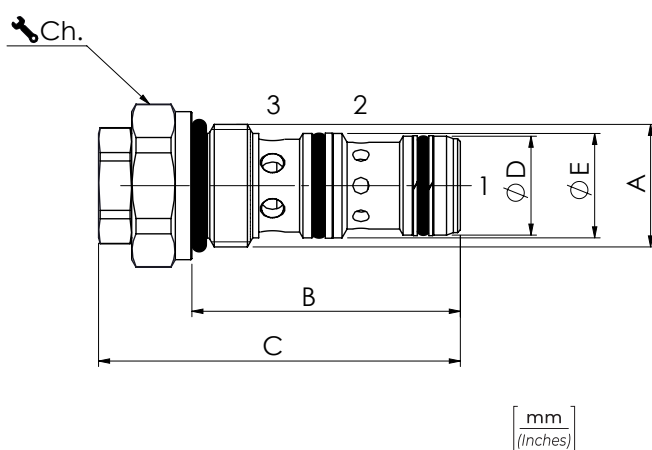
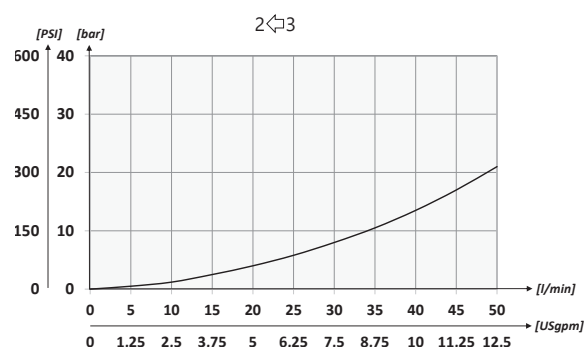
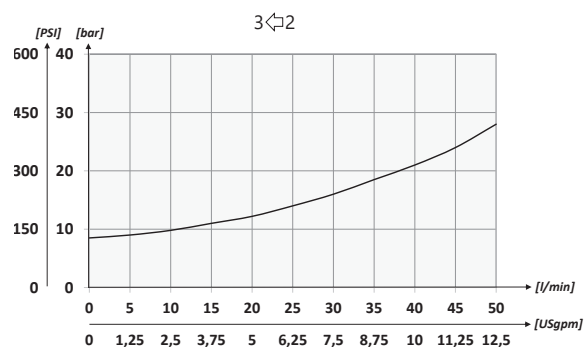
液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度	- Oil temperature	-20°C +80°C	-4°F +176°F
环境温度	- Environment temperature	-20°C +50°C	-4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 µm 过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

性能曲线



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	重量 APPROX WEIGHT kg-lbt	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	先导比 PILOT RATIO	插装孔 CAVITY	Ch. Key
VPR22	M22x1,5	50 (13,3)	350 (5075)	48,6 (1.91)	65,5 (2.58)	17,9 (0.70)	18,9 (0.74)	0,14 (0.30)	44-50 (32-37)	1:2.5	C2215/3	27



选型

ORDERING CODE

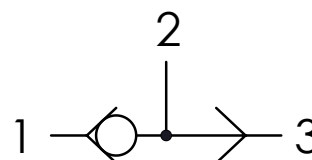
01

02

SV

01	梭阀 (LOAD SHUTTLE - BALL VALVES)		SV
02	螺纹规格 (SIZE)	3/4-16UNF	08
		7/8-14UNF	10

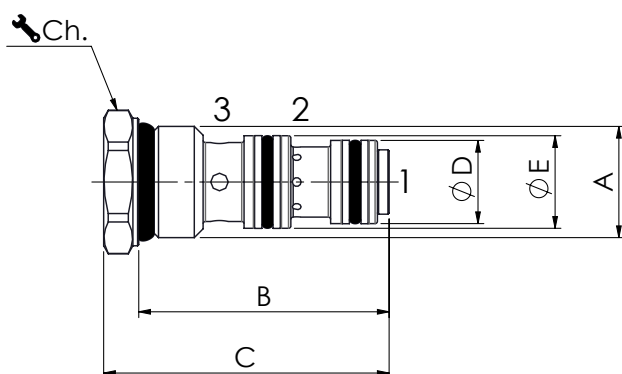
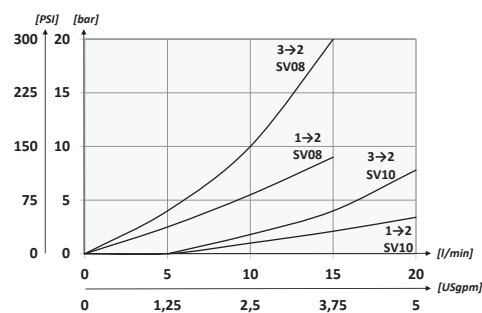
液压符号/HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15 μm过滤器) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

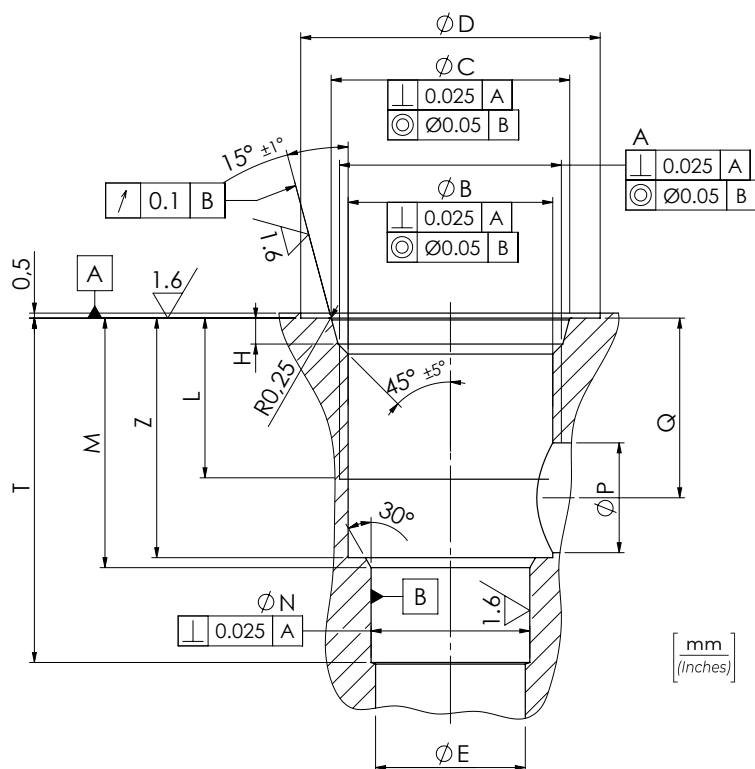
性能曲线



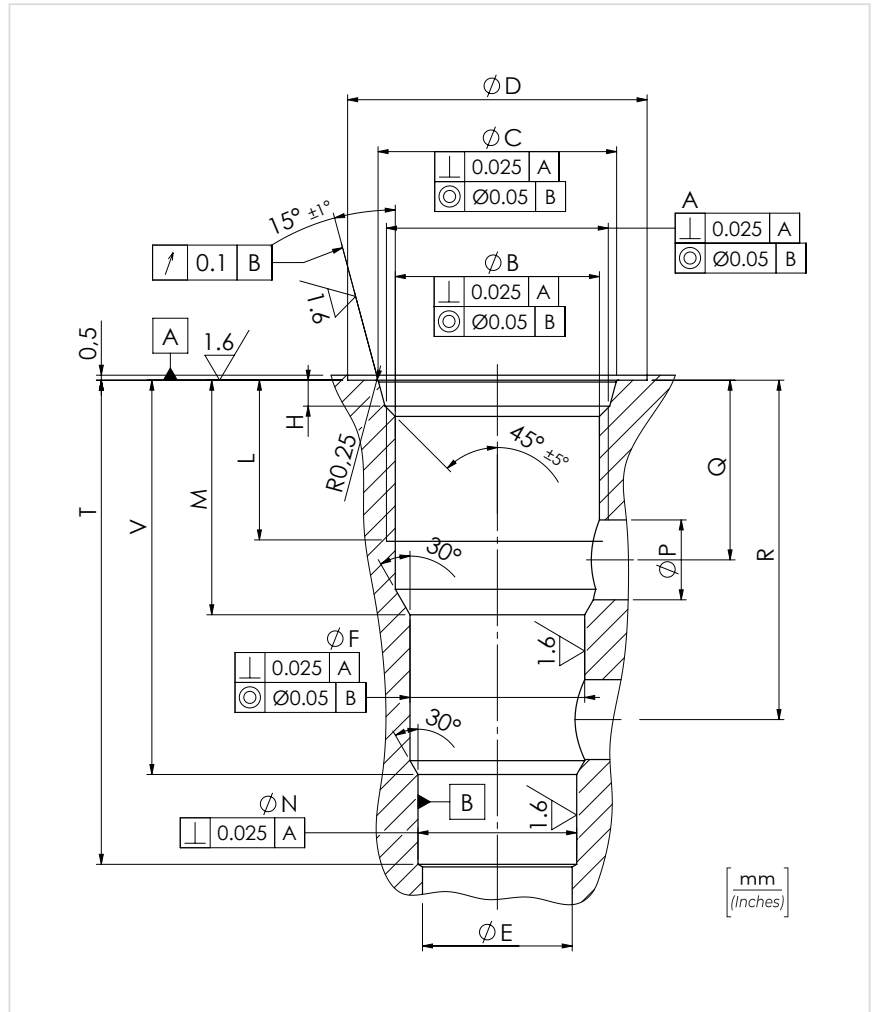
[mm]
[Inches]

技术参数/ TECHNICAL CHARACTERISTICS

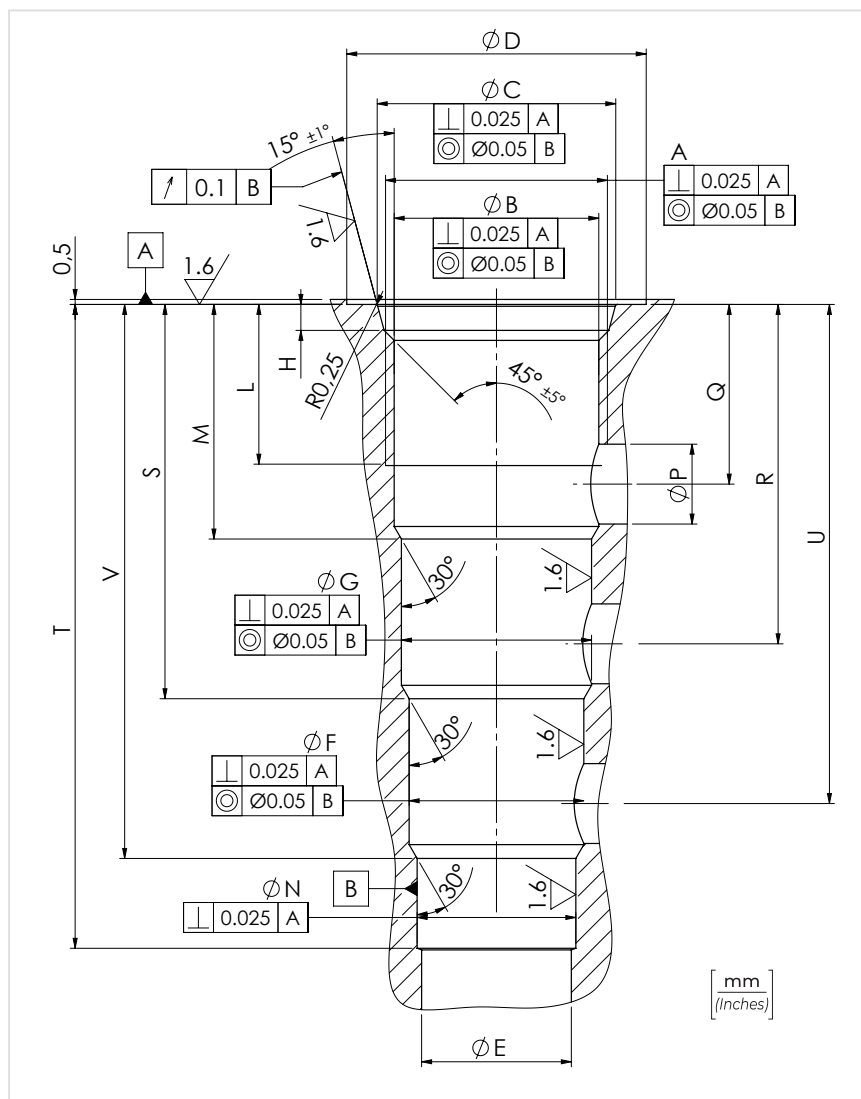
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	U	V	D	E	重量 APPROX WEIGHT kg-lbt	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	插装孔 CAVITY	Ch. Key
SV08	3/4-16UNF	15 (4)	350 (5075)	41 (1.61)	49 (1.93)	14,2 (0.56)	15,8 (0.62)	0,07 (0.15)	25-30 (19-22)	SAE8/3	22
SV10	7/8 - 14UNF	30 (7.9)		47 (1.85)	55 (2.17)	15,8 (0.62)	17,4 (0.69)	0,10 (0.22)	41-47 (30-35)	SAE10/3	27



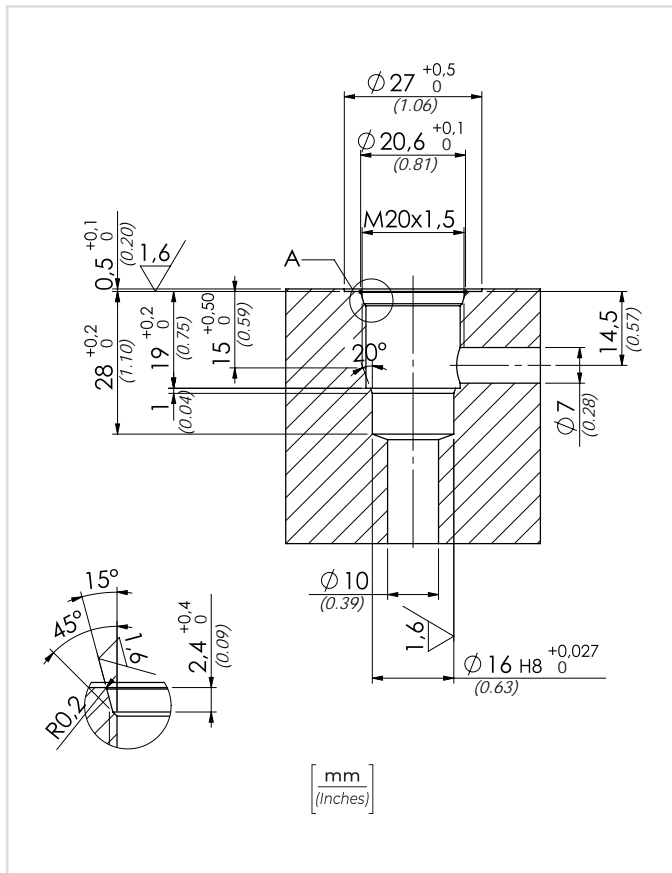
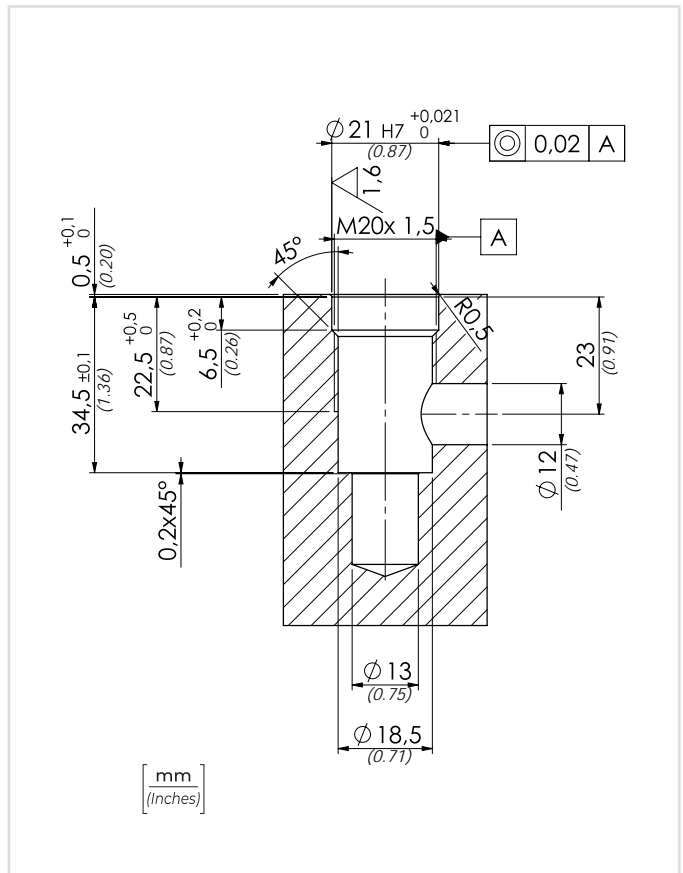
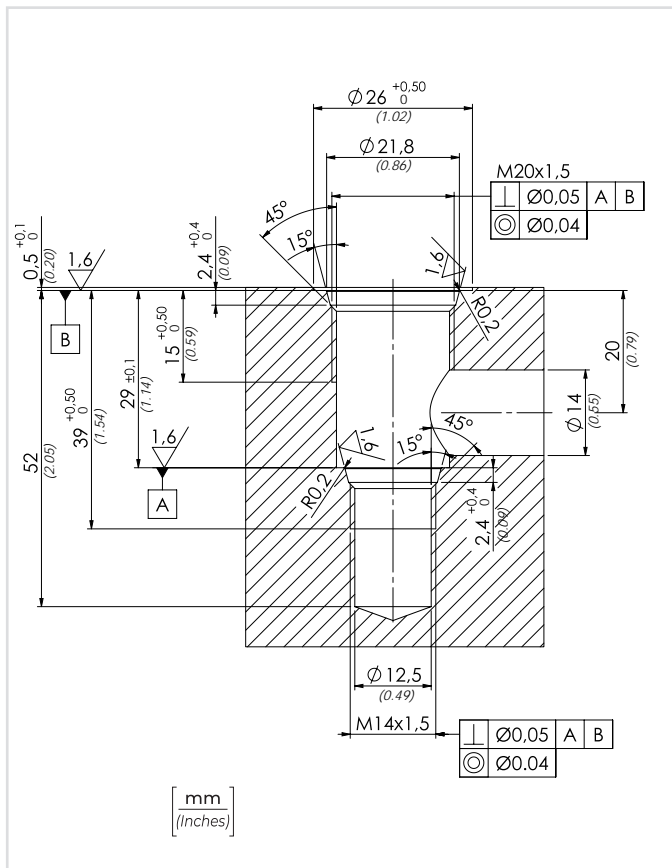
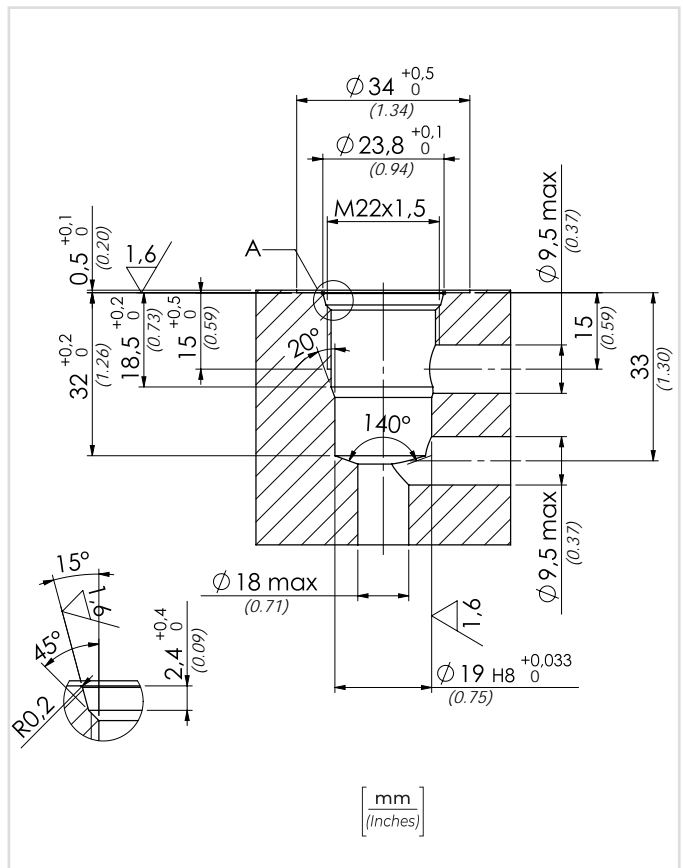
规格 TYPE	A	B 0 + 0,1	C 0 + 0,1	D 0 + 0,5	E Ø max	H 0 + 0,3	L	M 0 - 0,2	N 0 + 0,05	P	Q	T 0 + 0,5	Z 0 + 0,1
SAE08/2	3/4-16UNF-2B	17,4 0.69	20,6 0.81	27 1.06	12 0.47	2,6 0.10	13 0.51	20,50 0.81	12,7 0.5	9 0.35	14 0.55	19,5 0.77	18,5 0.73
SAE10/2	7/8-14UNF-2B	20,5 0.81	23,9 0.94	30 1.18	15 0.59	2,6 0.10	16 0.63	25,5 1.00	15,9 0.63	11 0.43	18 0.71	34,5 1.36	24 0.94
SAE12/2	1-1/16-12UNF-2B	24,9 0.98	29,2 1.15	38 1.50	19 0.75	3,3 0.13	20 0.79	36,5 1.44	22,2 0.87	14 0.55	26 1.02	48 1.89	35,5 1.40
SAE16/2	1-5/16-12UNF-2B	31,3 1.23	35,5 1.40	45 1.77	24 0.94	3,3 0.13	20 0.79	36 1.42	28,6 1.13	14 0.55	25 0.98	49 1.93	35 1.38

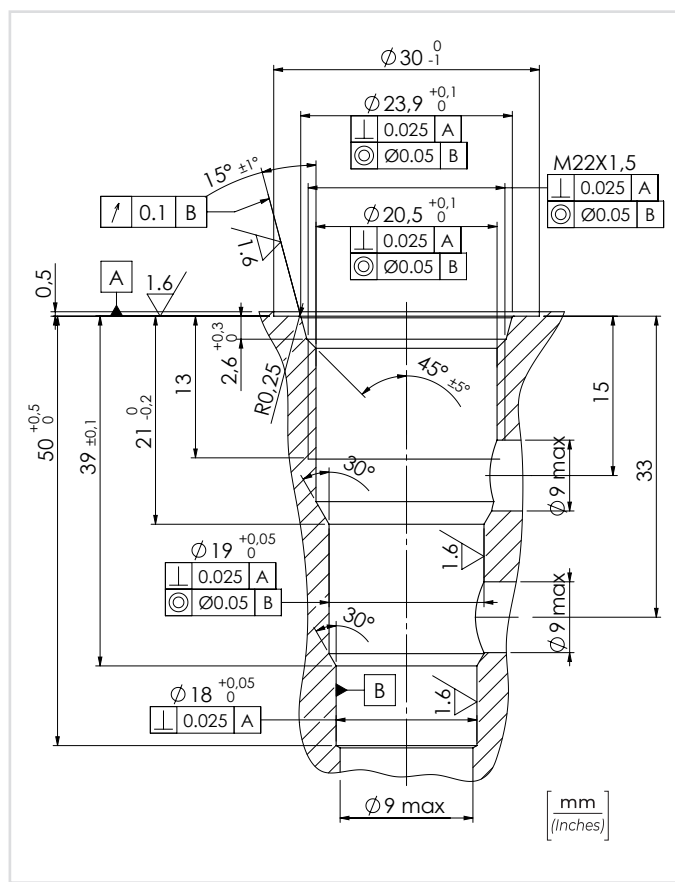
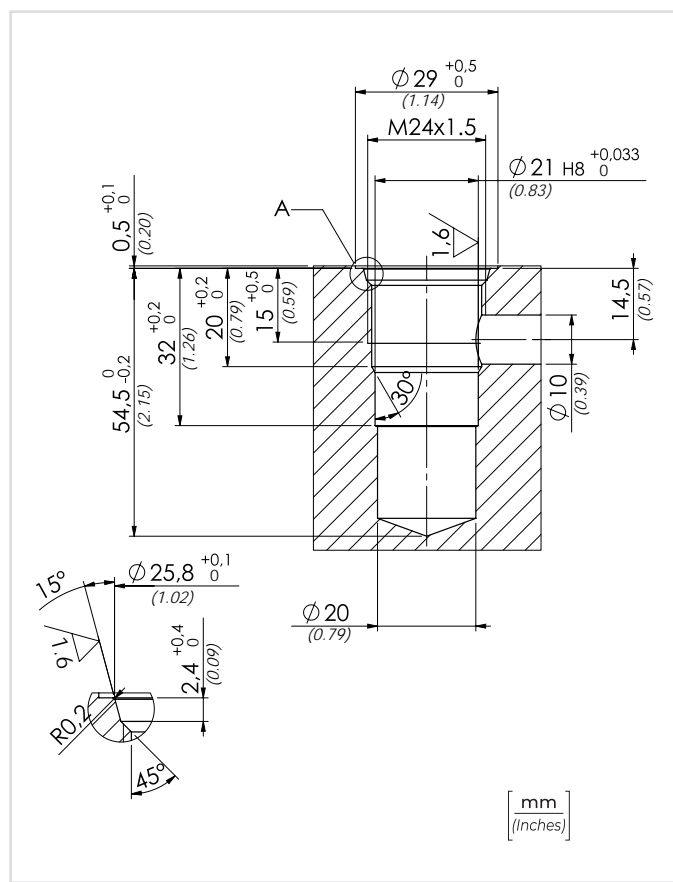
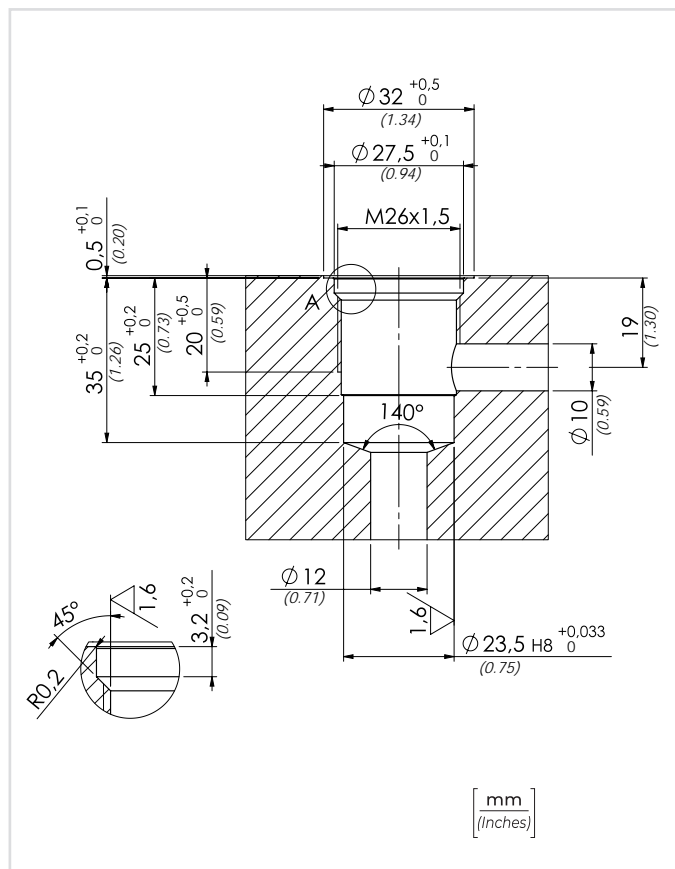
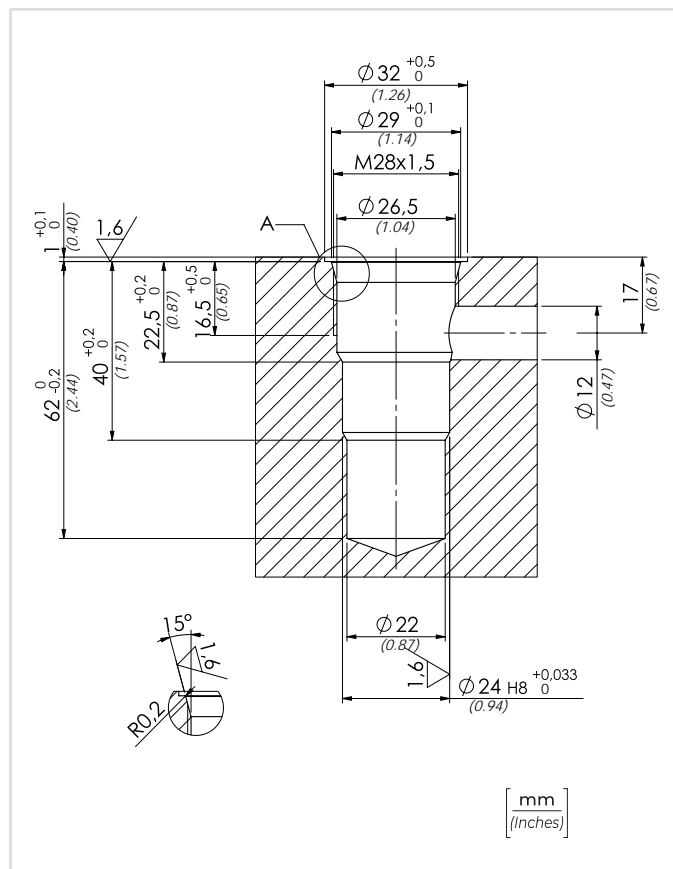


规格 TYPE	A	B 0 + 0,1	C 0 + 0,1	D 0 + 0,5	E Ø max	F 0 + 0,05	H 0 + 0,3	L	M 0 - 0,2	N 0 + 0,05	P	Q	R	T 0 + 0,5	V ± 0,1
SAE08/3	3/4-16UNF-2B	17,4 0.69	20,6 0.81	27 1.06	12 0.47	15,9 0.63	2,6 0.10	13 0.51	19,5 0.77	14,3 0.56	6 0.24	15 0.59	29 1.14	43 1.69	33,5 1.32
SAE10/3	7/8-14UNF-2B	20,5 0.81	23,9 0.94	30 1.18	15 0.59	17,5 0.69	2,6 0.10	16 0.63	23,5 0.93	15,9 0.63	8 0.31	18 0.71	34 1.34	48,5 1.91	39,5 1.56
SAE12/3	1-1/16-12UNF-2B	24,9 0.98	29,2 1.15	38 1.50	19 0.75	23,8 0.94	3,3 0.13	20 0.79	36,5 1.44	22,2 0.87	14 0.55	28 1.10	53 2.09	73 2.87	61,5 2.42
SAE16/3	1-5/16-12UNF-2B	31,3 1.23	35,5 1.40	45 1.77	24 0.94	28,6 1.13	3,3 0.13	20 0.79	35,5 1.40	27 1.06	14 0.55	25,5 1,00	54 2.13	75 2.95	64 2.52



规格 TYPE	A	B 0 + 0,1	C 0 + 0,1	D 0 + 0,5	E	F 0 + 0,05	G 0 + 0,05	H 0 + 0,3	L	M 0 - 0,2	N 0 + 0,05	P	Q	R	S ± 0,1	T 0 + 0,5	U	V ± 0,1
SAE08/4	3/4-16UNF-2B	17,4 0.69	20,6 0.81	27 1.06	12 0.47	14,3 0.56	15,9 0.63	2,6 0.10	13 0.51	19,5 0.77	12,7 0.50	6 0.24	15 0.59	29 1.14	33,5 1.32	56 2.20	43 1.69	47,5 1.87
SAE10/4	7/8-14UNF-2B	20,5 0.81	23,9 0.94	30 1.18	15 0.59	17,5 0.69	19,05 0.75	2,6 0.10	16 0.63	23,5 0.93	15,9 0.63	8 0.31	18 0.71	34 1.34	39,5 1.56	64,5 2.54	50 1.97	55,5 2.19
SAE12/4	1-1/16-12UNF-2B	24,9 0.98	29,2 1.15	38 1.50	19 0.75	22,2 0.87	23,8 0.94	3,3 0.13	20 0.79	36,5 1.44	20,6 0.81	14 0.55	28 1.1	53 2.09	61,5 2.42	99 3.90	78 3.07	87,5 3.44
SAE16/4	1-5/16-12UNF-2B	31,3 1.23	35,5 1.40	45 1.77	24 0.94	27 1.06	28,6 1.13	3,3 0.13	20 0.79	35,5 1.40	25,4 1.00	16 0.63	25 0.98	53,5 2.11	64 2.52	92,5 3.64	82 3.23	92,5 3.64

C2015/2**C2015/30****C2015/1415/2****C2215/2**

C2215/3**C2415/2****C2615/2****C2815/2**

手动泵和换向阀

HAND PUMPS AND FLOW DIVERTERS

多种排量和安装形式手动泵

铝合金和钢质油箱

3,4,6,8多路换向阀

Hand pump with many layout and displacement, aluminium or steel tanks, flow diverters 3, 4, 6 and 8 ways.





型号代码
ORDERING CODE

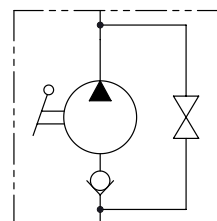
01

02

PM20

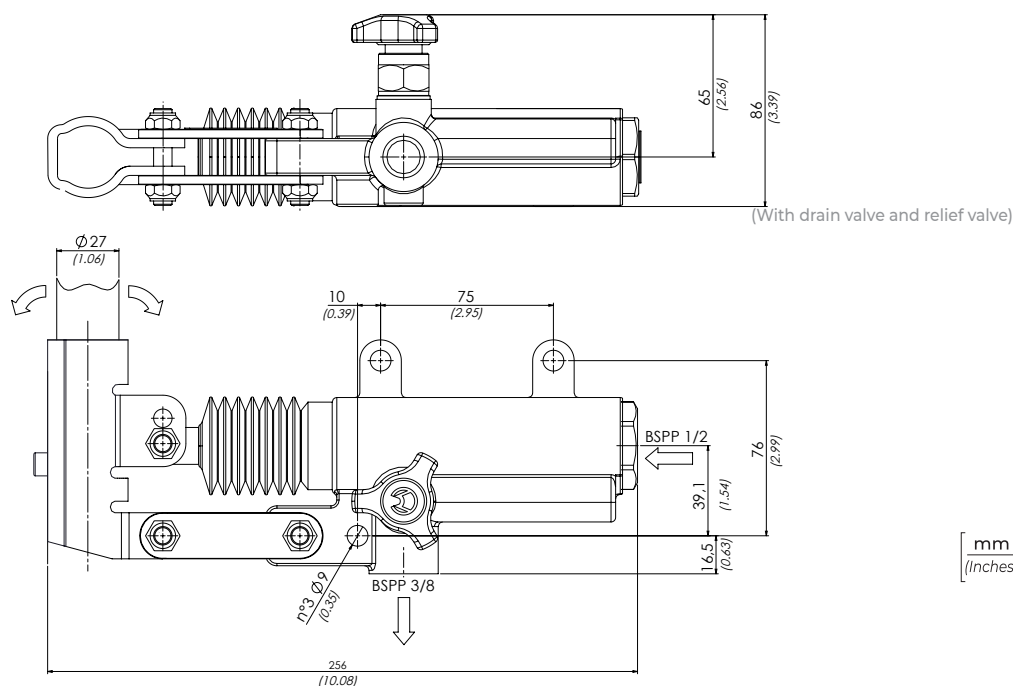
01	双作用手动泵 (DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)	PM20
02	带塑料保护套 (With rubber protection)	P
	不带卸荷阀, 带溢流阀 (Without unloading valve With relief valves)	WRV
	不带卸荷阀 (Without unloading valve)	W
	带摇杆 (With joystick)	J
	带卸荷手柄 (With unloading lever Ø 1.06 inch)	L
	带卸荷阀和溢流阀	RRV

液压符号/ HYDRAULIC CIRCUIT



泵带手柄供货 L=600mm

THE PUMP IS SUPPLIED WITH ACTING LEVER 23,6 inch LONG



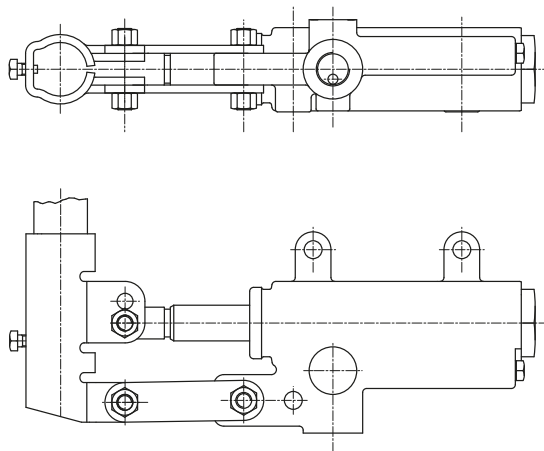
技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

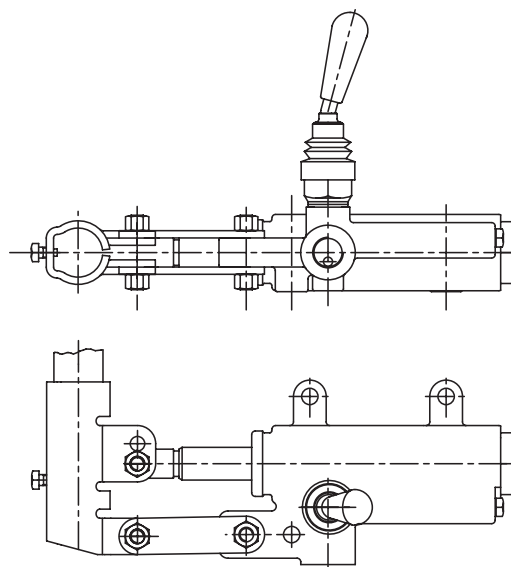
技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	排量 (cm³) DISPLACEMENT (in³)	工作压力 OPTIMAL PRESSURE bar-PSI	最大工作压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
PM20	20 (1.22)	150 (2175)	350 (5075)	3,4 (7.5)

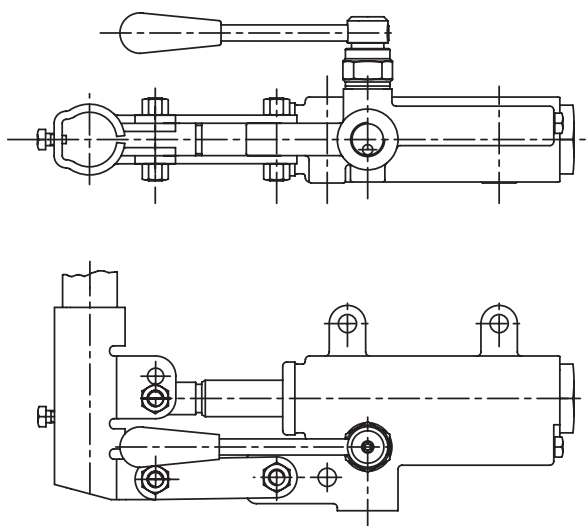
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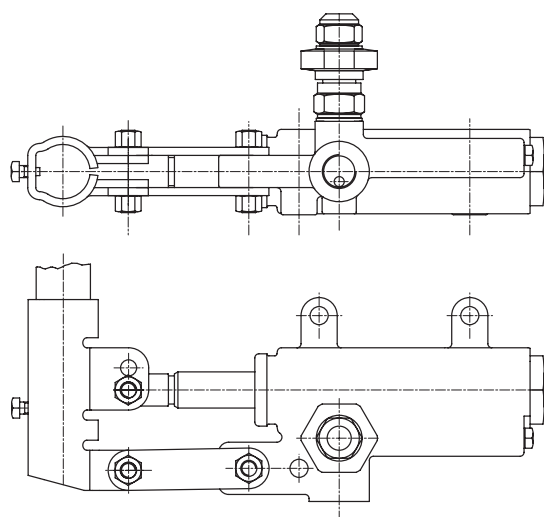
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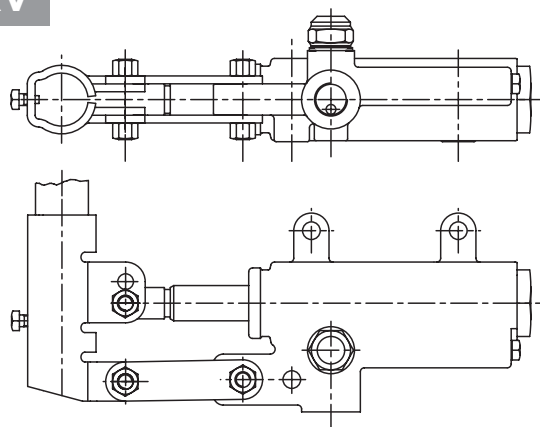
L



RRV



WRV



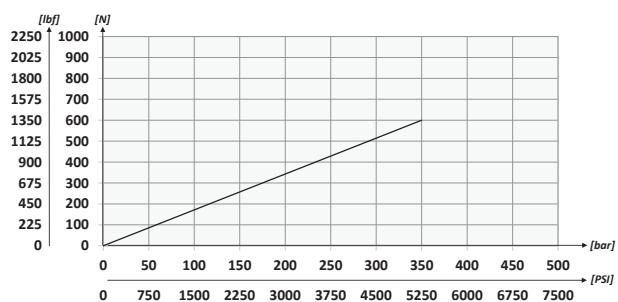
溢流阀
Relief valve

压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1500 PSI

压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER





型号代码
ORDERING CODE

01

02

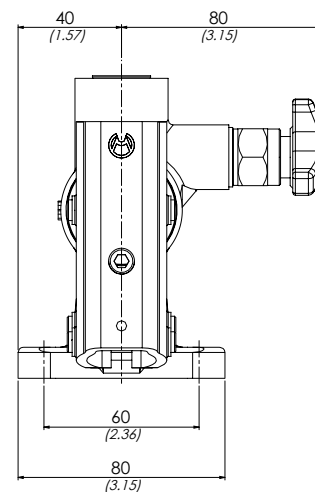
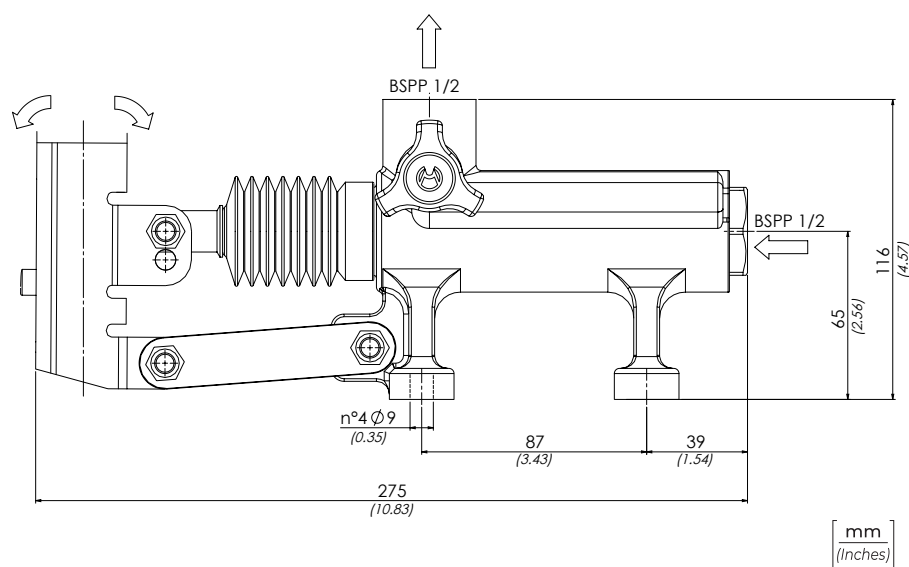
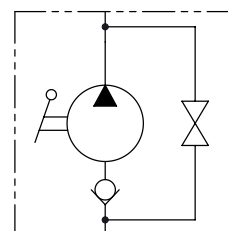
PM50

01	双作用手动泵 (DOUBLE PUMPING FOR SINGLE ACTING CYLINDER)	PM50
02	带塑料保护套 (With rubber protection)	P
	带溢流阀不带卸荷阀 (Without unloading valve With relief valves)	WRV
	不带卸荷阀 (Without unloading valve)	W
	带摇杆 (With joystick)	J
	带卸荷手柄 (With unloading lever Ø 1.06 inch)	L
	带卸荷阀和溢流阀 (With unloading and relief valves)	RRV

泵带手柄供货 L=600mm

THE PUMP IS SUPPLIED WITH ACTING LEVER 23,6 inch LONG

液压符号/ HYDRAULIC CIRCUIT



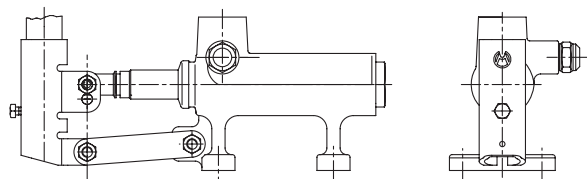
技术参数/ TECHNICAL DATA

介质	- Mineral oil	ISO 6743/4 (DIN 51524)
粘度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C	-4°F +176°F
环境温度 - Environment temperature	-20°C +50°C	-4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)		

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	排量 (cm ³) DISPLACEMENT (in ³)	工作压力 OPTIMAL PRESSURE bar-PSI	最大工作压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
PM50	50 (3.05)	80 (1160)	280 (4060)	4,2 (9.25)

WRV

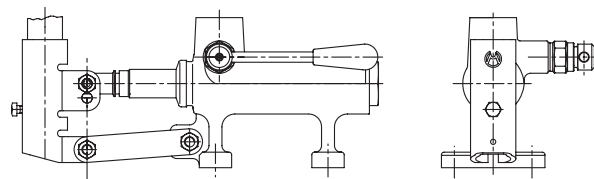


溢流阀
Relief valve

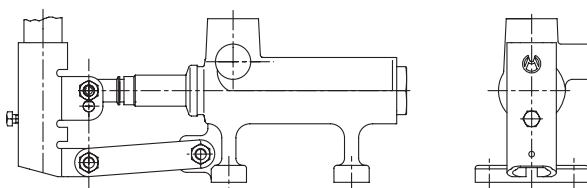
压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI

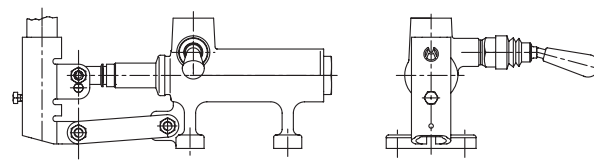
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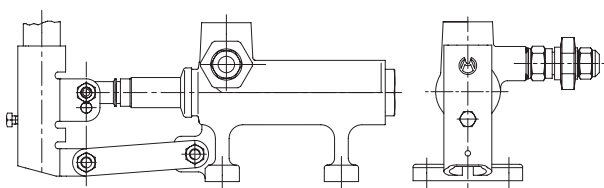
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J

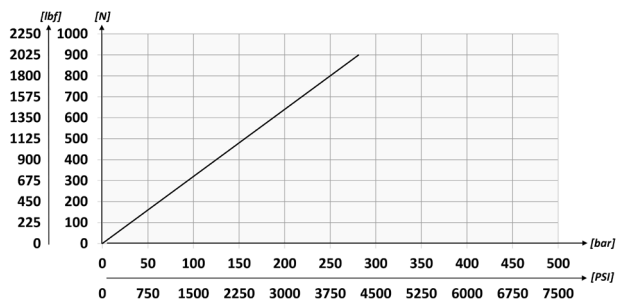


PRV



压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER

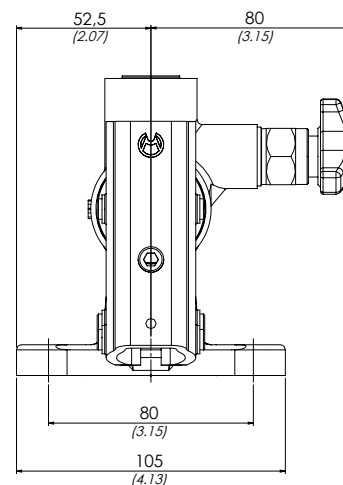
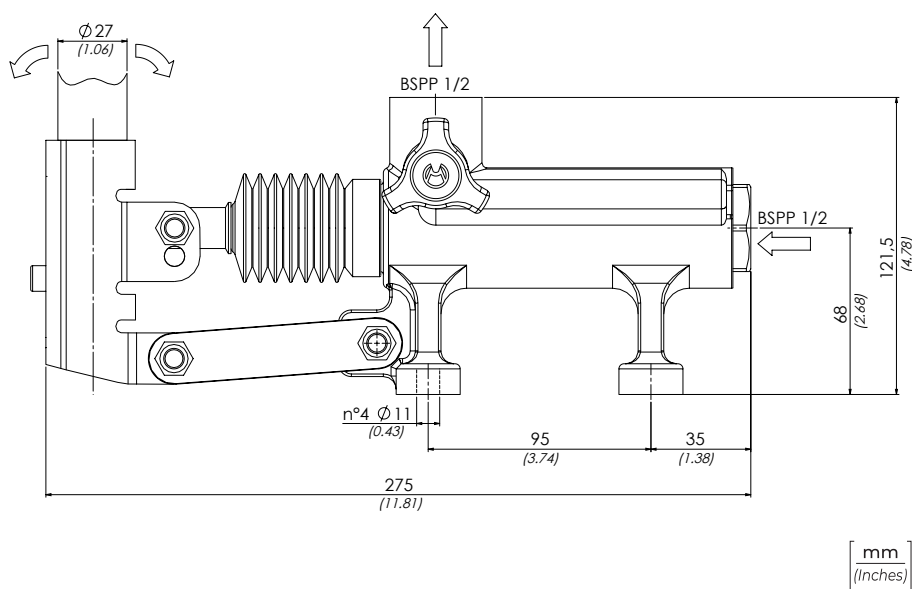




THE PUMP IS SUPPLIED WITH ACTING LEVER 23,6 inch LONG

01	02
PM70	

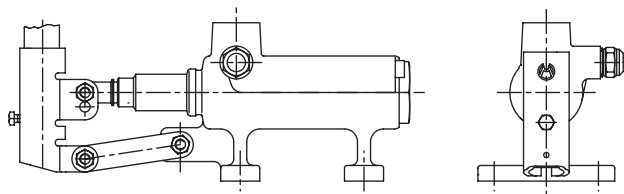
01	双作用手动泵 (DOUBLE PUMPING HAND PUMFOR SINGLE ACTING CYLINDER)		PM70
02	OPTIONAL	带塑料保护套 (With rubber protection)	P
		带溢流阀不带卸荷阀 (Without unloading valve With relief valves)	WRV
		不带卸荷阀 (Without unloading valve)	W
		带摇杆 (With joistick)	J
		带卸荷手柄 (With unloading lever Ø 1.06 inch)	L
		带卸荷阀和溢流阀 (With unloading and relief valves)	RRV



介质 - Mineral oil	ISO 6743/4 (DIN 51524)		
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
油液温度 - Oil temperature	-20°C	+80°C	-4°F + 176°F
环境温度 - Environment temperature	-20°C	+50°C	-4°F + 122°F
需要有一个过滤器来保护阀 (建议过滤精度 15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)			

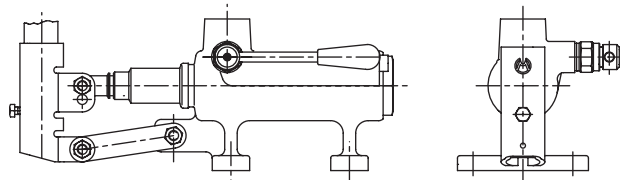
型号	排量 (cm3)	工作压力	最大工作压力	重量
TYPE	DISPLACEMENT (in³)	OPTIMAL PRESSURE bar-PSI	MAX PRESSURE bar-PSI	APPROX WEIGHT kg-lbt
PM70	70 (4.27)	50 (725)	200 (2900)	5,6 (12.34)

WRV

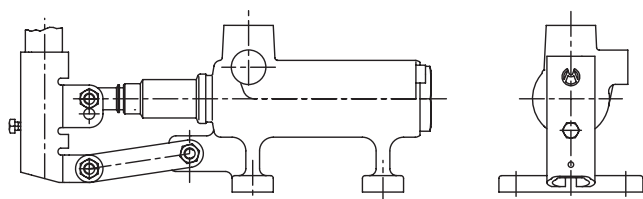


溢流阀 压力范围40~350bar 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

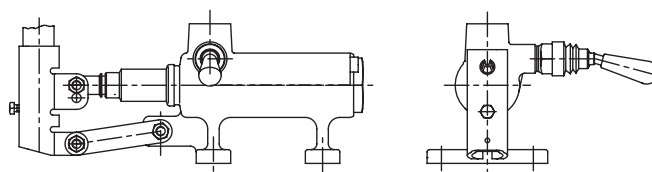
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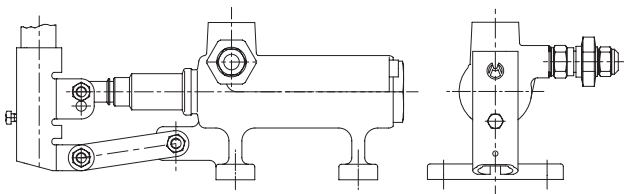
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J

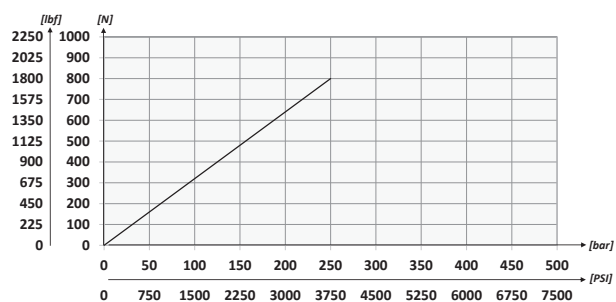


PRV



压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER

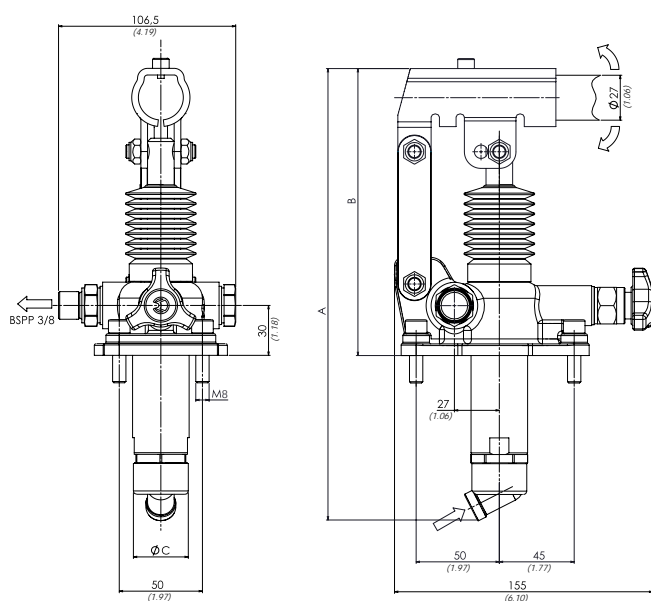
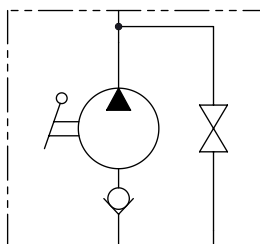




泵带平面密封，安装螺栓，手柄 L=600mm 供货

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

液压符号/ HYDRAULIC CIRCUIT



[mm
(Inches)]

型号代码 ORDERING CODE	01	02	03
	PMS		

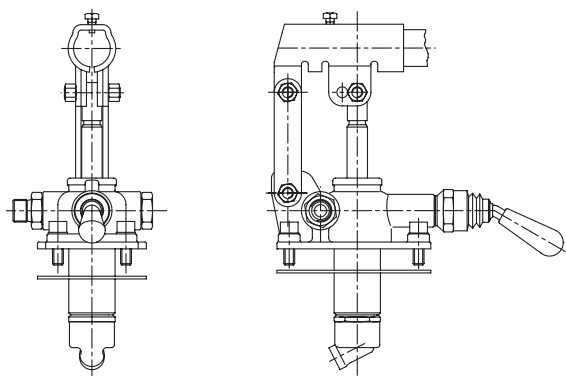
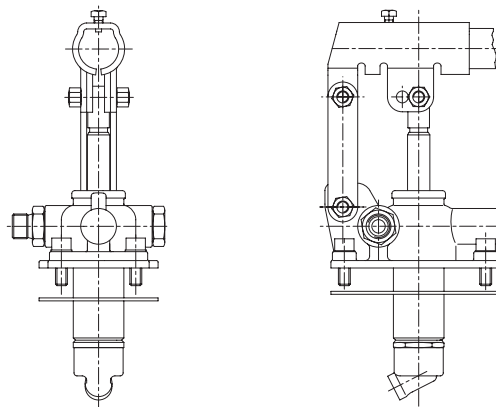
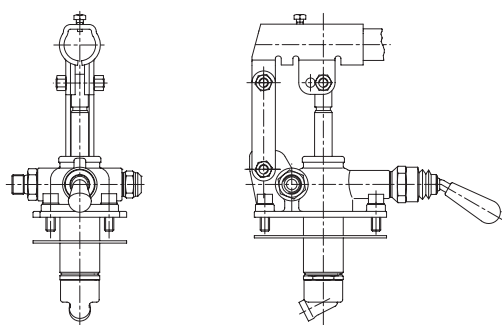
01	双作用手动泵 (DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)				PMS
02	排量 (DISPLACEMENT)	A	B	C	
	6 cm ³ (0.37 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm ³ (2.75 in ³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	带塑料保护套 (With rubber protection)			P
		带溢流阀不带卸荷阀 (Without unloading valve With relief valves)			WRV
		不带卸荷阀 (Without unloading valve)			W
		带摇杆 (With joystick)			J
		带卸荷手柄 (With unloading lever Ø 1.06 inch)			L
		带溢流阀 (With relief valves)			RV
		带摇杆和溢流阀 (With joystick and relief valve)			JRV
		带卸荷阀和溢流阀 (With unloading lever and relief valves)			LRV

液压符号/ TECHNICAL CHARACTERISTICS

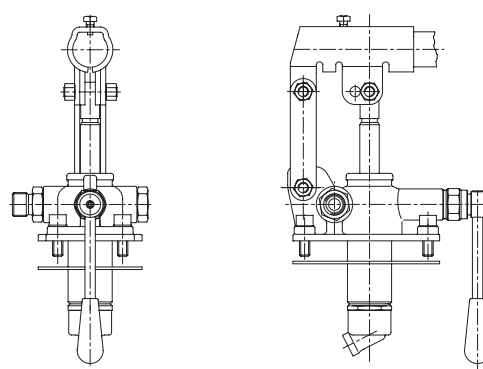
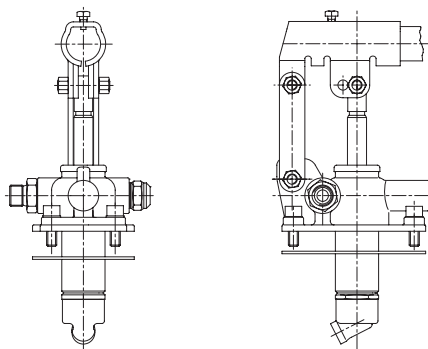
型号 TYPE	工作压力 OPTIMAL PRESSURE bar-PSI	最大工作压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
PMS6	420 (6090)	500 (7250)	3,7 (8.15)
PMS12	220 (3190)	380 (5510)	
PMS25	120 (1740)	350 (5075)	
PMS45	80 (1160)	280 (4060)	

技术参数/ TECHNICAL DATA

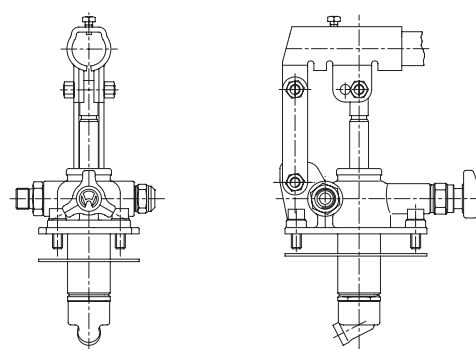
介质 - Mineral oil	ISO 6743/4 (DIN 51524)		
粘度 - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
油液温度 - Oil temperature	-20°C +80°C	-4°F +176°F	
环境温度 - Environment temperature	-20°C +50°C	-4°F +122°F	
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)			

J

W

JRV


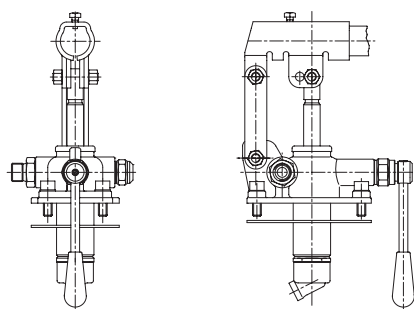
溢流阀 压力范围40~350bar 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

L

WRV


溢流阀 压力范围40~350bar 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

RV


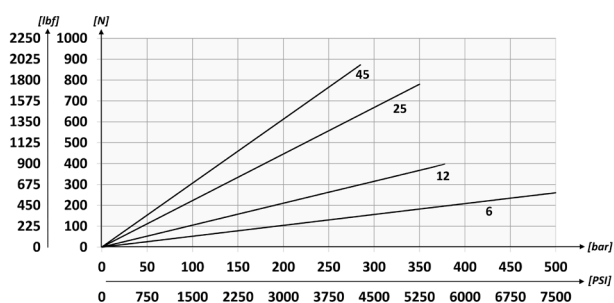
溢流阀 压力范围40~350bar 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

LRV


溢流阀 压力范围40~350bar 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER





泵带平面密封，安装螺栓，手柄供货 L=600mm

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

型号代码

ORDERING CODE

01

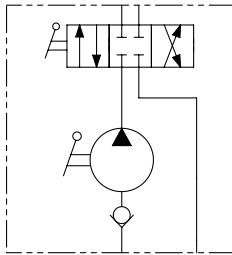
02

03

PMI

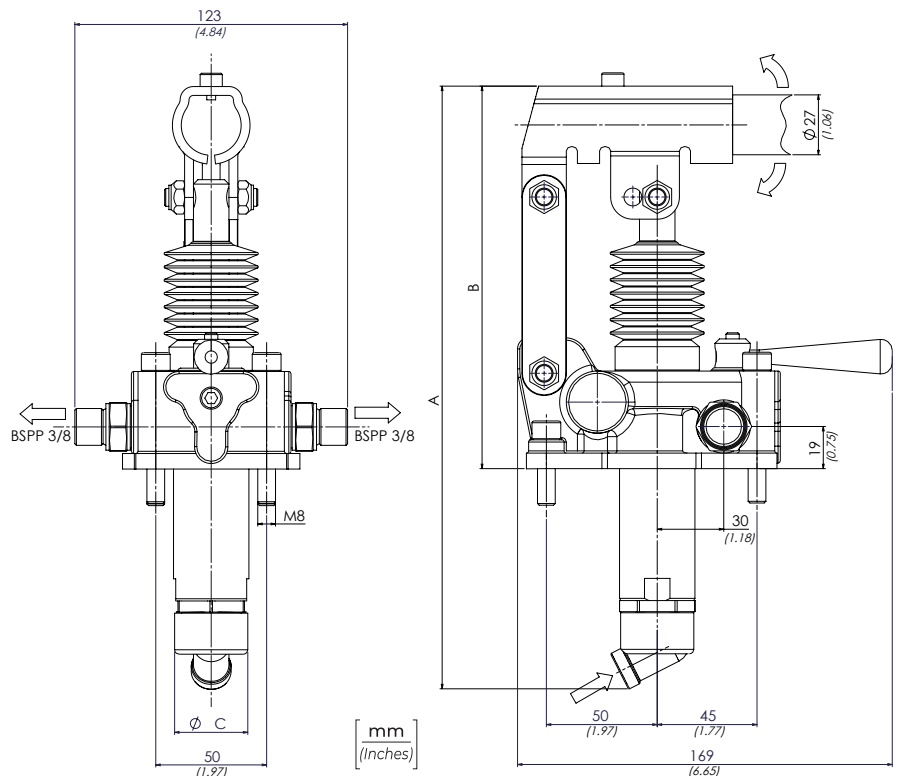
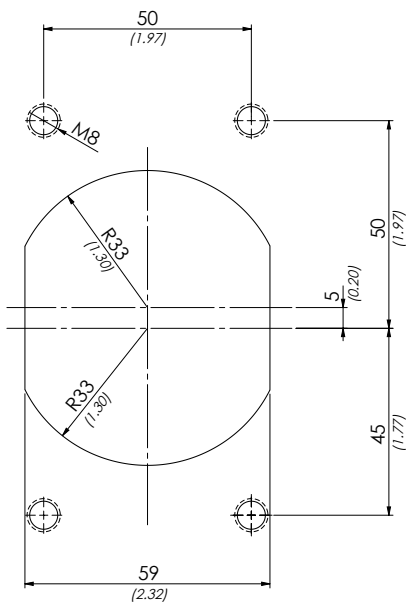
01	双作用手动泵-带换向阀 (DOUBLE PUMPING HAND PUMP FOR DOUBLE ACTING CYLINDER - CLOSED CENTER)				PMI
	排量 (DISPLACEMENT)	A	B	C	
02	6 cm ³ (0.37 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm ³ (2.75 in ³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	带塑料保护套 (With rubber protection)			P
		带卸荷手柄 (With unloading lever Ø 1.06 inch)			L
		带溢流阀 (With relief valves)			RV
		带卸荷阀和溢流阀 (With unloading lever and relief valves)			LRV

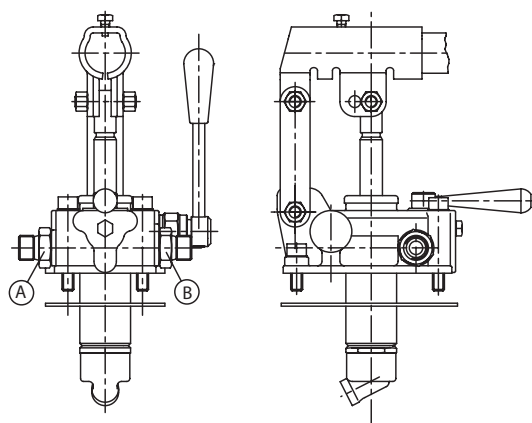
液压符号/HYDRAULIC CIRCUIT



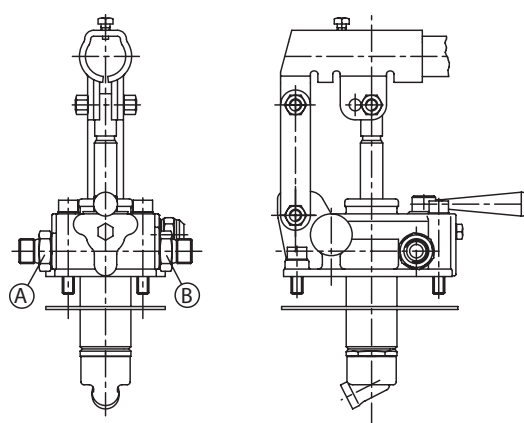
技术参数/TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

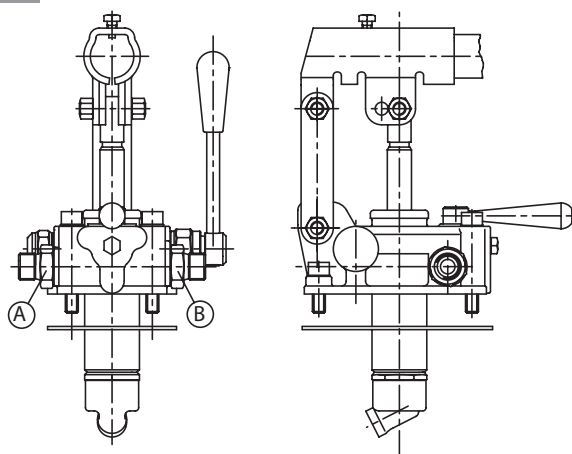


L


溢流阀 压力范围40~350bar 出厂设定 100bar

RV


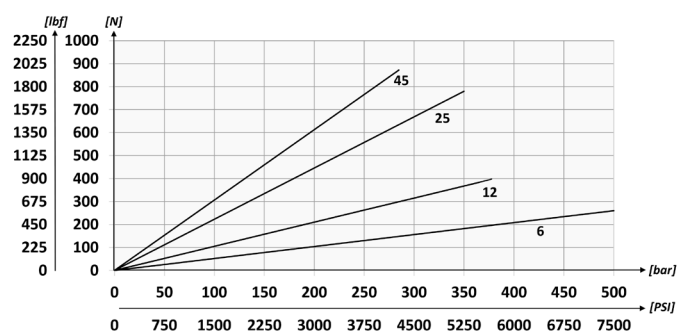
溢流阀 **Molla 40/350 bar** 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

LRV


溢流阀 压力范围40~350bar 出厂设定 100bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	工作压力 OPTIMAL PRESSURE bar-PSI	最大工作压力bar(psi) MAX PRESSURE (PSI)	重量 APPROX WEIGHT kg-lbt
PMI6	420 (6090)	500 (7250)	4,20 (9.25)
PMI12	220 (3190)	380 (5510)	
PMI25	120 (1740)	350 (5075)	
PMI45	80 (1160)	280 (4060)	



泵带平面密封，安装螺栓，手柄供货 L=600mm

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER Ø 1,06 INCH 23 inch LONG

型号代码

ORDERING CODE

01

02

03

PMT

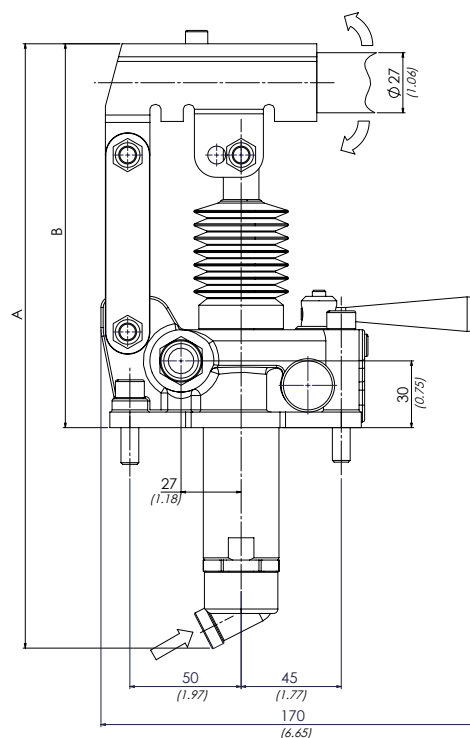
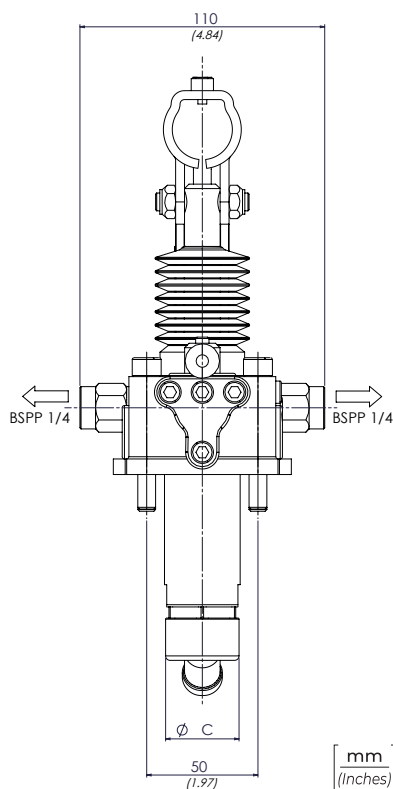
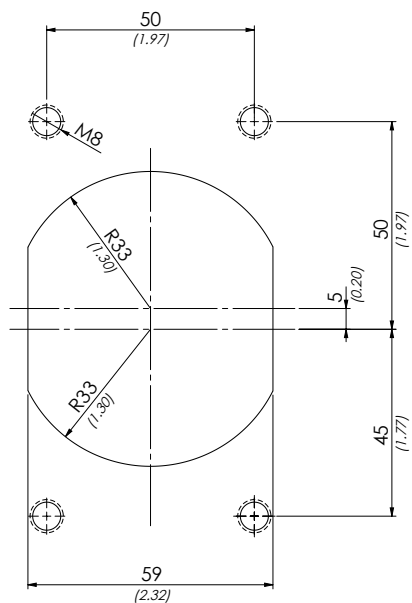
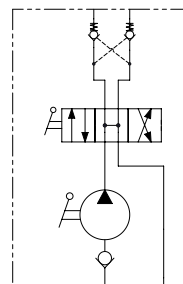
01	双作用手动泵-带换向阀 (DOUBLE PUMPING HAND PUMP WITH CHECK VALVES FOR DOUBLE ACTING CYLINDER)				PMT
02	排量 (DISPLACEMENT)	A	B	C	
02	6 cm ³ (0.37 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm ³ (2.75 in ³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	带塑料保护套 (With rubber protection)			P
		AB口带溢流阀 (With relief valves on A and B)			RVAB
		B口带溢流阀 (With relief valves on B)			RVB

技术参数 / TECHNICAL DATA

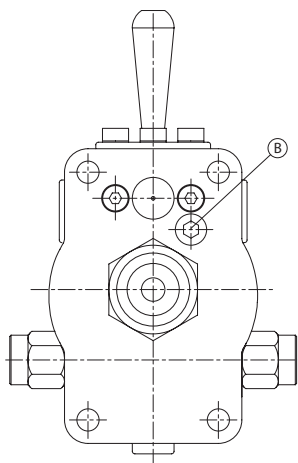
介质 - Mineral oil	ISO 6743/4 (DIN 51524)		
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
油液温度 - Oil temperature	-20°C +80°C	-4°F	+176°F
环境温度 - Environment temperature	-20°C +50°C	-4°F	+122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)			

液压符号 / HYDRAULIC CIRCUIT

技术参数 /



RVB

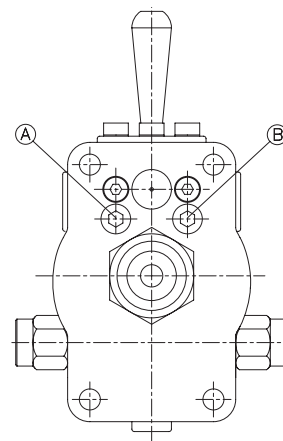


溢流阀
Relief valve

压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI

RVAB



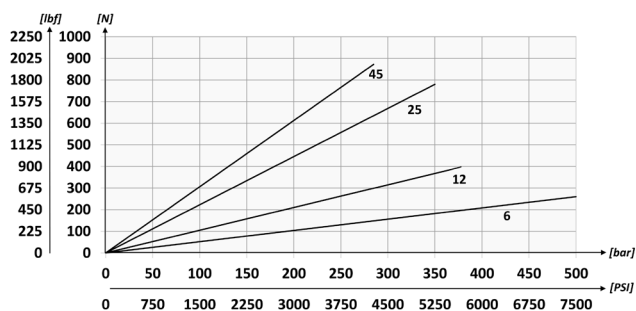
溢流阀
Relief valve

压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI

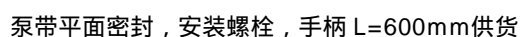
压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	工作压力 OPTIMAL PRESSURE bar-PSI	最大工作压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
PMT6	420 (6090)	500 (7250)	4,20 (9.25)
PMT12	220 (3190)	380 (5510)	
PMT25	120 (1740)	350 (5075)	
PMT45	80 (1160)	280 (4060)	

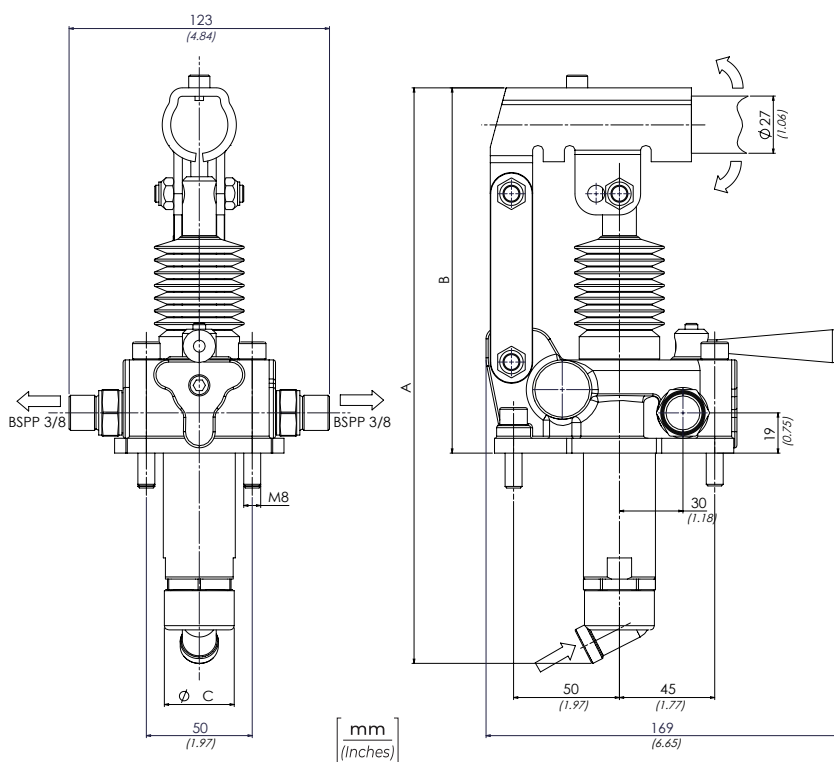
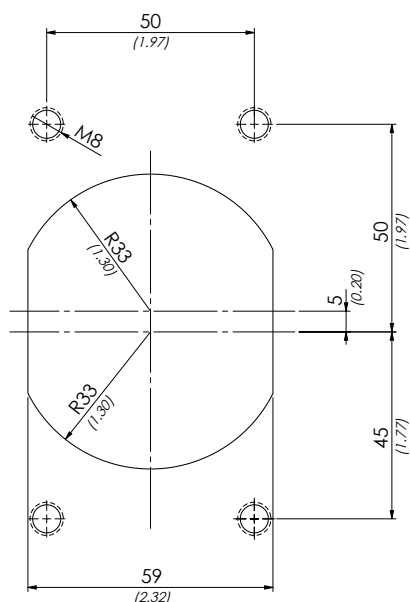


	01	02	03
型号代码 ORDERING CODE	PMA		

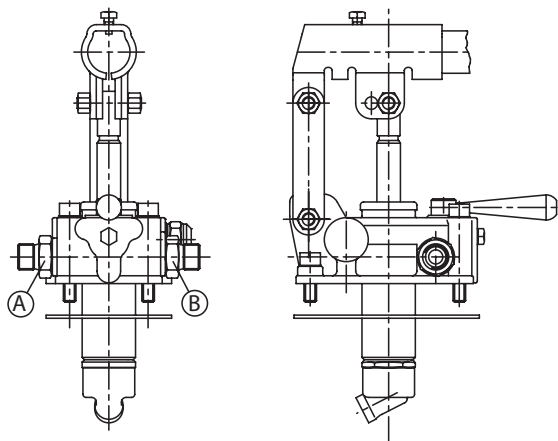
技术参数/ TECHNICAL DATA

The schematic diagram shows a hydraulic system. At the top, a 4/3-way directional control valve is represented by a rectangle divided into four quadrants. The top-left quadrant contains a triangle pointing up, the top-right a triangle pointing down, the bottom-left a triangle pointing right, and the bottom-right a triangle pointing left. A dashed line indicates the valve is in its center position. The valve is connected to a double-acting hydraulic cylinder, shown as a rectangle with a piston in the center. The cylinder has two ports: one on the left and one on the right. The left port is connected to the top-left quadrant of the valve, and the right port is connected to the top-right quadrant. The cylinder is connected to a pump, represented by a circle with a triangle inside. The pump is connected to the bottom-left quadrant of the valve. The bottom-right quadrant of the valve is connected to a tank, represented by a circle with a triangle inside. The tank is connected to the bottom-right quadrant of the valve. The pump is also connected to the bottom-left quadrant of the valve. The tank is connected to the bottom-right quadrant of the valve.

介质	- Mineral oil	ISO 6743/4 (DIN 51524)	
粘度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
过滤要求		ISO 4406:1999 Classe 19/17/14	
Max contamination index with filter			
油液温度	- Oil temperature	-20°C	+80°C -4°F +176°F
环境温度	- Environment temperature	-20°C	+50°C -4°F +122°F
需要有一个过滤器来保护阀（建议过滤精度15 μm）			
It is necessary a filter use to protect the valve (advised filtration 15 μm)			

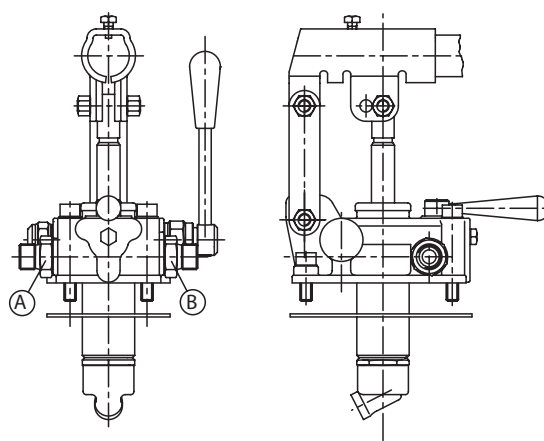


RV



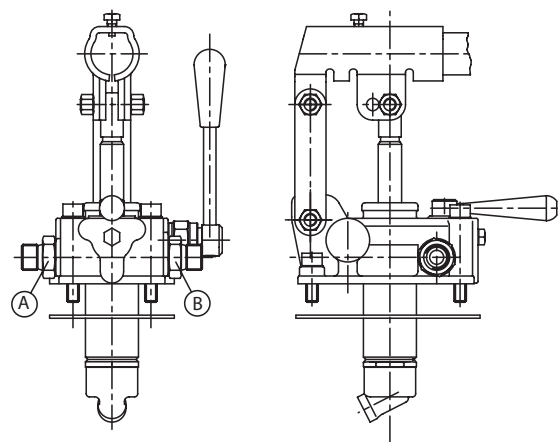
溢流阀
Relief valve
压力范围40~350bar
Spring 580/5075 PSI
出厂设定 100bar
Standard Setting 1450 PSI

LRV



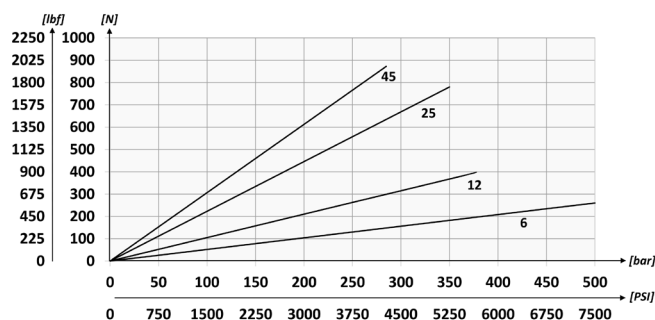
溢流阀
Relief valve
压力范围40~350bar
Spring 580/5075 PSI
出厂设定 100bar
Standard Setting 1450 PSI

L



压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数/TECHNICAL CHARACTERISTICS

型号 TYPE	工作压力 OPTIMAL PRESSURE bar-PSI	最大工作压力 MAX PRESSURE (PSI)	重量 APPROX WEIGHT (lbt)
PMA6	420 (6090)	500 (7250)	4,20 (9.25)
PMA12	220 (3190)	380 (5510)	
PMA25	120 (1740)	350 (5075)	
PMA45	80 (1160)	280 (4060)	



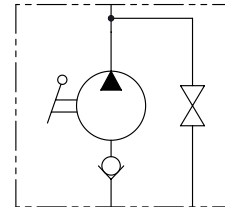
型号代码	01	02	03
ORDERING CODE	PME1		

01	单作用手动泵 (SINGLE DOWNWARD PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)		PME1
02	排量 (DISPLACEMENT)	8 cm ³ (0.49 in ³)	8
		15 cm ³ (0.92 in ³)	15
03	OPTIONAL	带塑料保护套 (With rubber protection)	P
		带卸荷阀和溢流阀 (Without unloading valve With relief valves)	WRV
		不带卸荷阀 (Without unloading valve)	W
		带溢流阀 (With relief valves)	RV

泵带平面密封, 安装螺栓, 手柄 L=600mm供货
手柄下压出油

THE PUMP IS SUPPLIED WITH SHAPED SEAL,
FIXING SCREWS AND ACTING LEVER Ø 0.79 17,7 inch LONG.
OIL FLOW LEVER ACTION DOWNWARDS ONLY

液压符号/ HYDRAULIC CIRCUIT

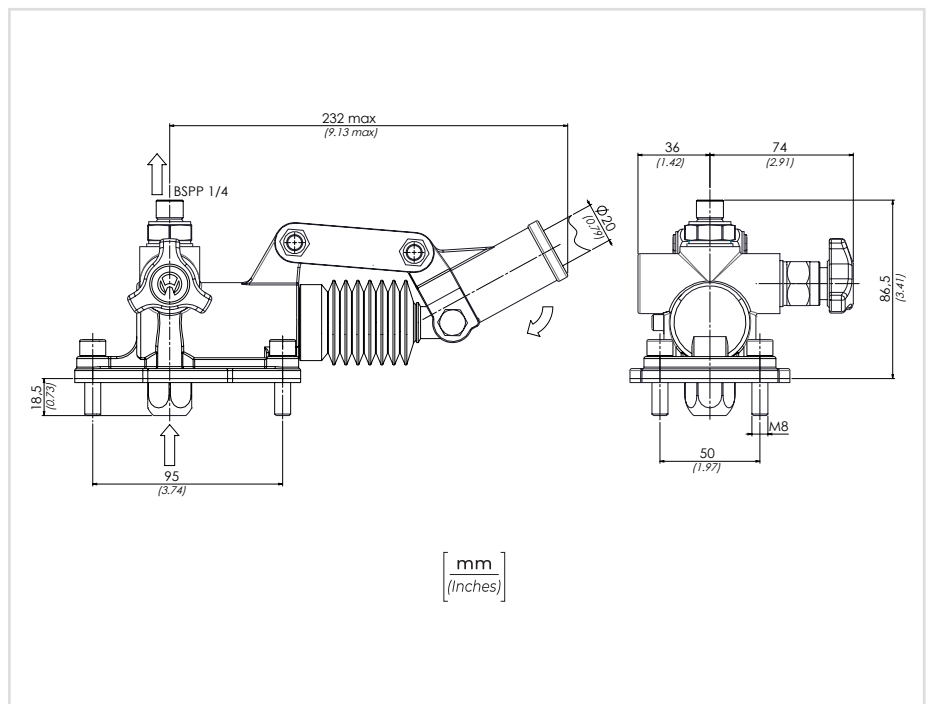
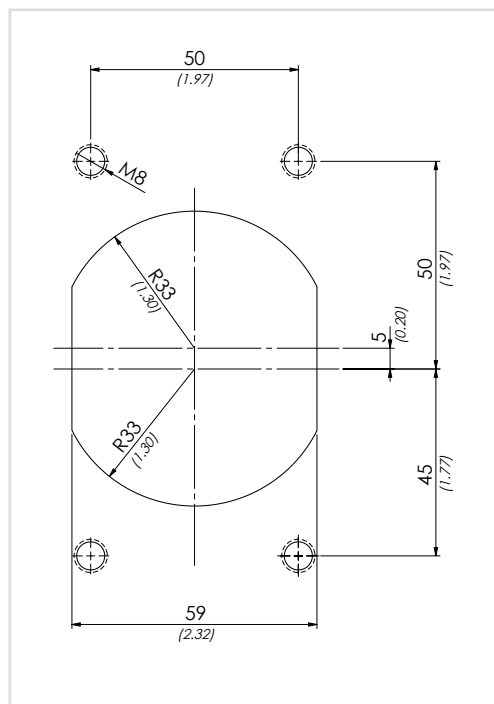


技术参数/ TECHNICAL CHARACTERISTICS

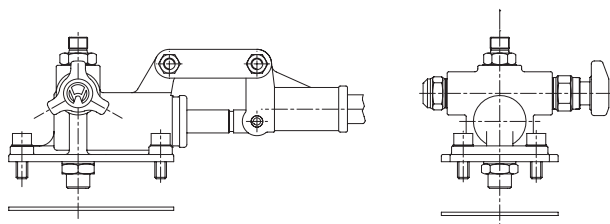
型号 TYPE	工作压力 OPTIMAL PRESSURE bar-PSI	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
PME18	180 (2610)	380 (5510)	2,9 (6.39)
PME115	110 (1595)	350 (5075)	

技术参数/ TECHNICAL DATA

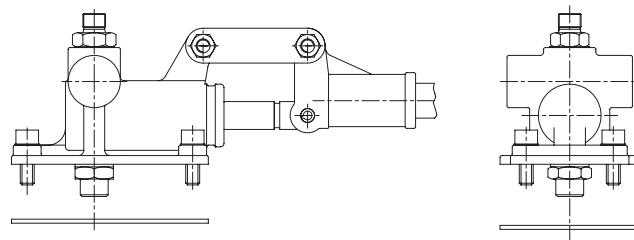
介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)	



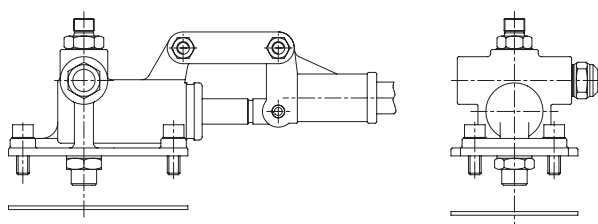
RW



W



WRV



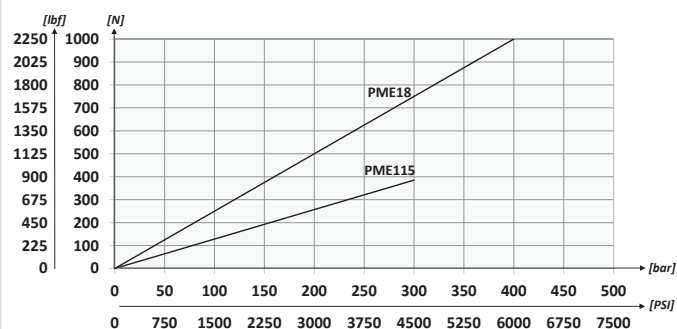
溢流阀
Relief valve

压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI

压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER

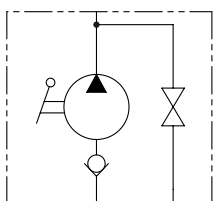




泵带平面密封，安装螺栓，手柄 L=600mm 供货
手柄下压出油

THE PUMP IS SUPPLIED WITH SHAPED SEAL,
FIXING SCREWS AND ACTING LEVER 17,7 inch LONG.
OIL FLOW LEVER ACTION DOWNWARDS ONLY

液压符号 / HYDRAULIC CIRCUIT



型号代码

ORDERING CODE

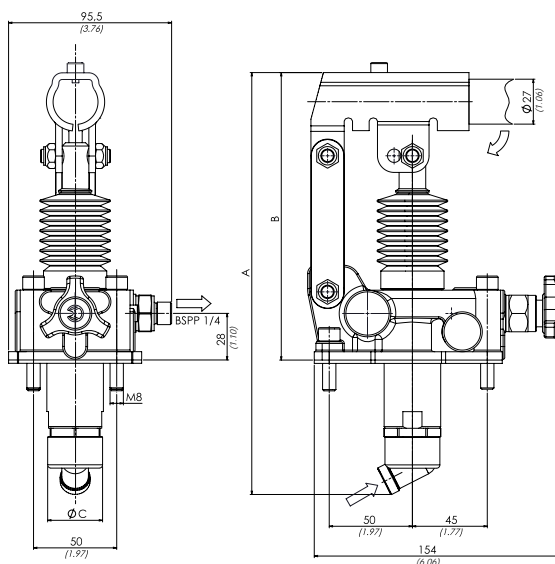
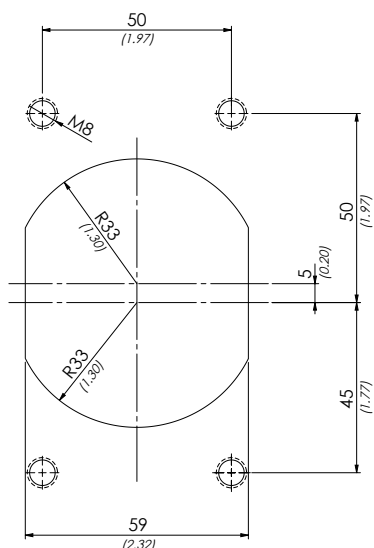
01

02

03

PME2

01	单作用手动泵 (SINGLE DOWNWARD PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)				PME2
02	排量 (DISPLACEMENT)	A	B	C	
	20 cm ³ (1.22 in ³)	249 (9.80)	167 (6.57)	34 (1.33)	20
	30 cm ³ (1.83 in ³)	252 (9.92)	167 (6.57)	34 (1.33)	30
	40 cm ³ (2.44 in ³)	252 (9.92)	167 (6.57)	40 (1.57)	40
03	OPTIONAL	带塑料保护套 (With rubber protection)			P
		不带卸荷阀，带溢流阀 (Without unloading valve With relief valves)			WRV
		不带卸荷阀 (Without unloading valve)			W
		带卸荷手柄 (With unloading lever)			L
		带溢流阀 (With relief valves)			RV
		带卸荷阀和溢流阀 (With unloading lever and relief valves)			LRV



[mm]
[inches]

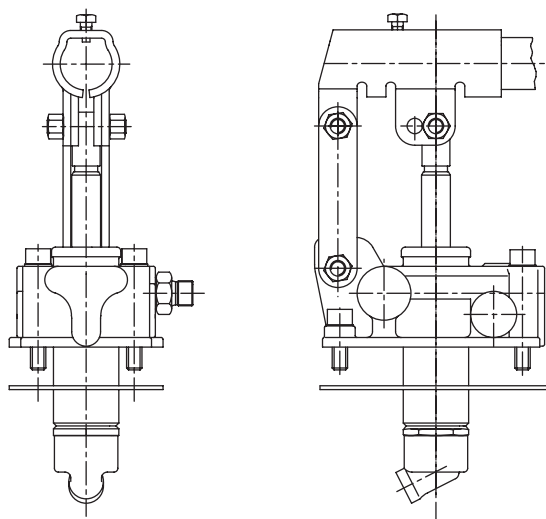
技术参数 / TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)		
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
油液温度 - Oil temperature	-20°C +80°C	-4°F +176°F	
环境温度 - Environment temperature	-20°C +50°C	-4°F +122°F	
需要有一个过滤器来保护阀 (建议过滤精度 15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)			

技术参数 / TECHNICAL CHARACTERISTICS

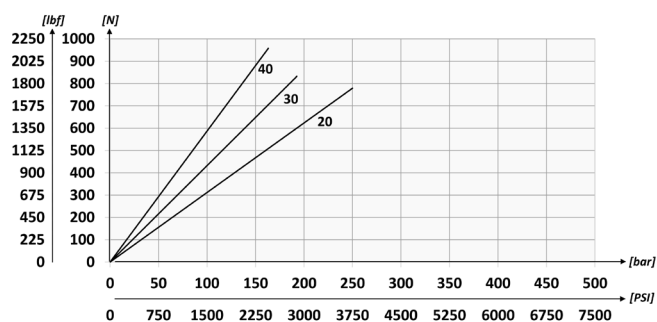
型号 TYPE	工作压力 OPTIMAL PRESSURE bar-PSI	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
PME220	80 (1160)	240 (3480)	4,2 (9.2)
PME230	60 (870)	185 (2683)	
PME240	40 (580)	160 (2320)	

W

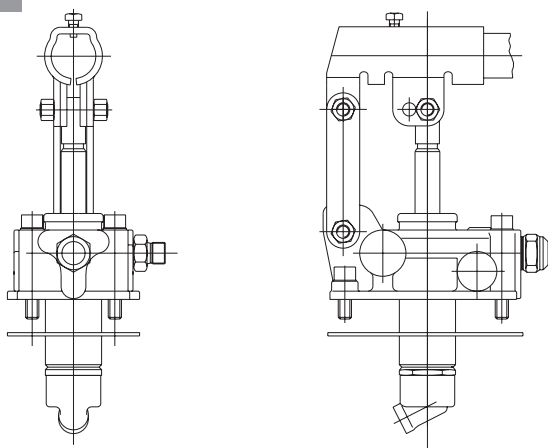


压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



WRV

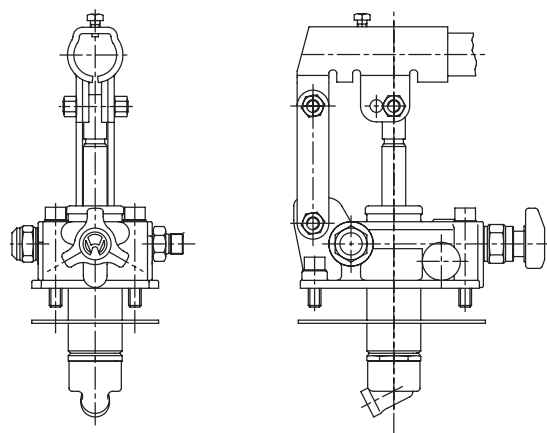


溢流阀
Relief valve

压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI

RV

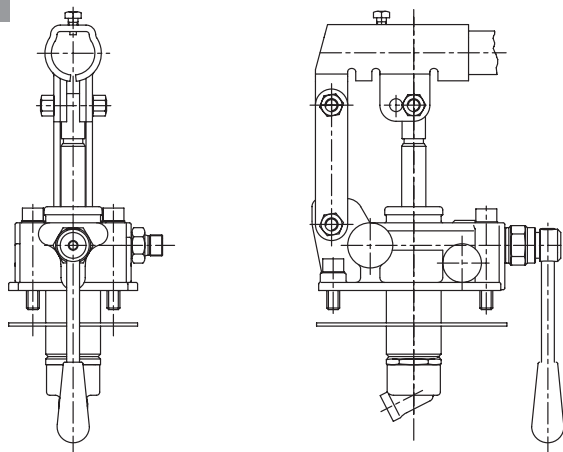


溢流阀
Relief valve

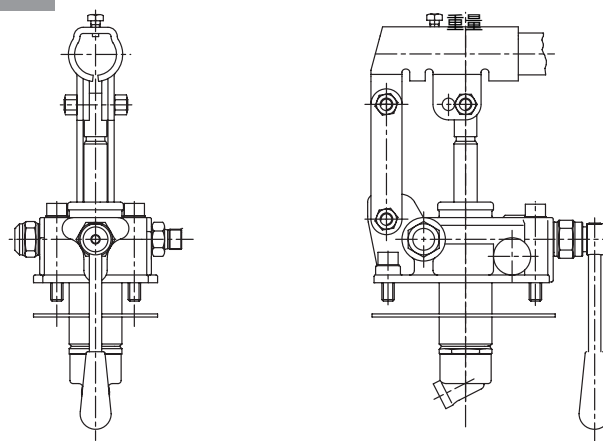
压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI

L



LRV



溢流阀
Relief valve

压力范围40~350bar
Spring 580/5075 PSI

出厂设定 100bar
Standard Setting 1450 PSI



泵带平面密封, 安装螺栓, 手柄 L=600mm 供货

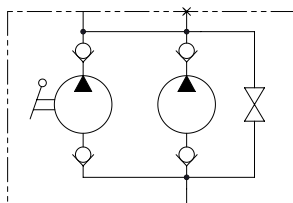
THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 19.7 inch LONG

型号代码
ORDERING CODE

01	02	03
PMD		

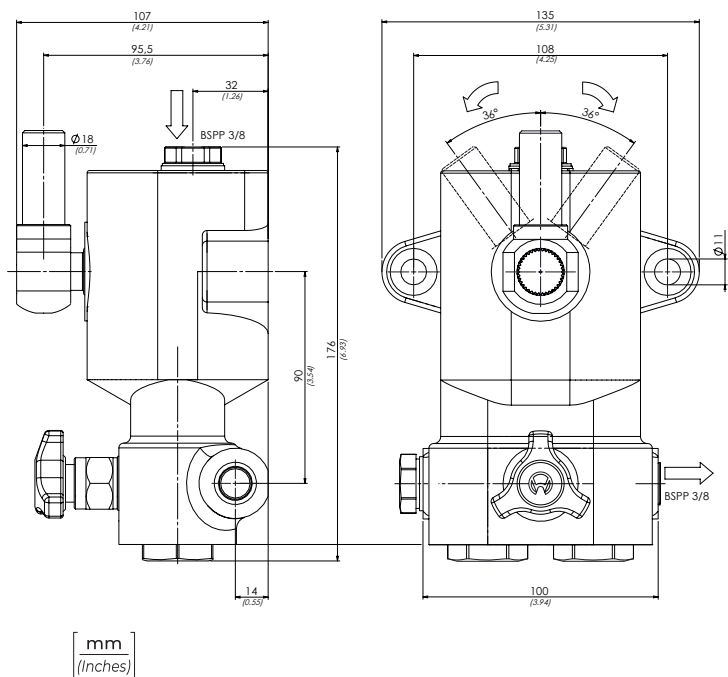
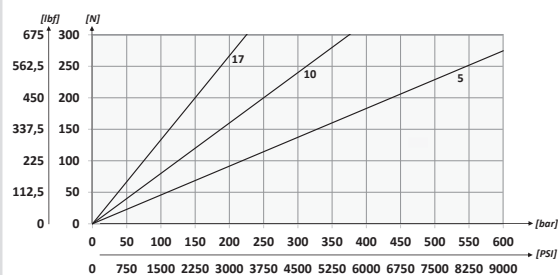
01	双作用手动泵 - 带换向阀 POMPA A MANO SEMPLICE EFFETTO DOPPIO POMPANTE (SINGLE ACTING HAND PUMP WITH DOUBLE CYLINDER)		PMD
02	排量 (DISPLACEMENT)	5 cm ³ (0.31 in ³)	5
		10 cm ³ (0.61 in ³)	10
		17 cm ³ (1.04 in ³)	17
03	OPTIONAL	不带卸荷阀 (Without unloading valve)	W

液压符号 / HYDRAULIC CIRCUIT



压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数 / TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt	CILINDRATA (cm³) DISPLACEMENT (in³)
PMD5	500 (7250)	500 (7250)	5,7 (12.56)	5 (0.31)
PMD10	250 (3625)	250 (3625)		10 (0.61)
PMD17	150 (2175)	150 (2175)		17 (1.04)

型号说明 ORDERING CODE

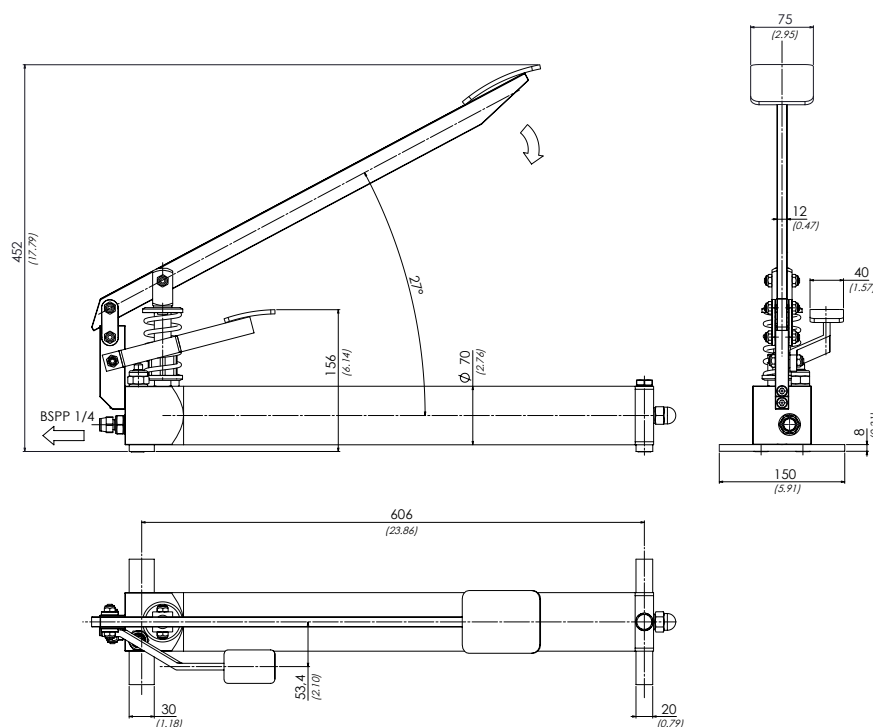
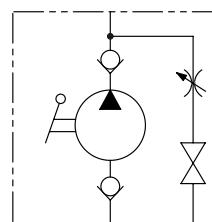
01

PME3

01	脚踏泵 (FOOT PUMP)	PME3
容积 (Reservoir lt. 1.5)		



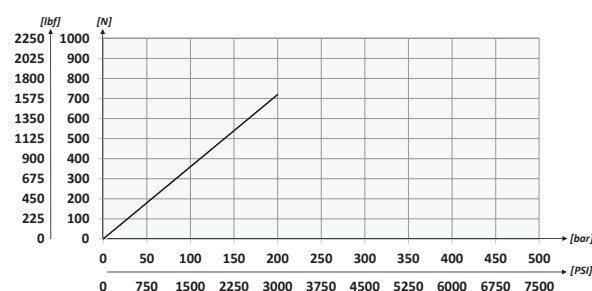
液压符号/ HYDRAULIC CIRCUIT



[mm
(Inches)]

压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	最大压力 bar-PSI MAX PRESSURE	重量 Kg-lb APPROX WEIGHT	排量 cm3 - In3 DISPLACEMENT (in³)
PME3	220 (3190)	10,40 (22.92)	14 (0.85)

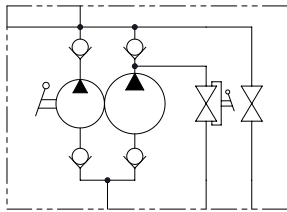


排量

泵带平面密封, 安装螺栓, 手柄 L=600mm 供货

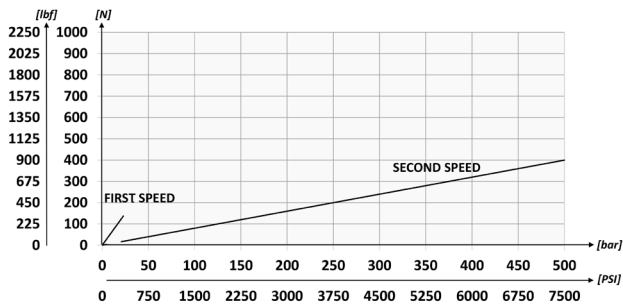
THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

液压符号 / HYDRAULIC CIRCUIT



压力--手柄末端作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数 / TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)	

型号代码

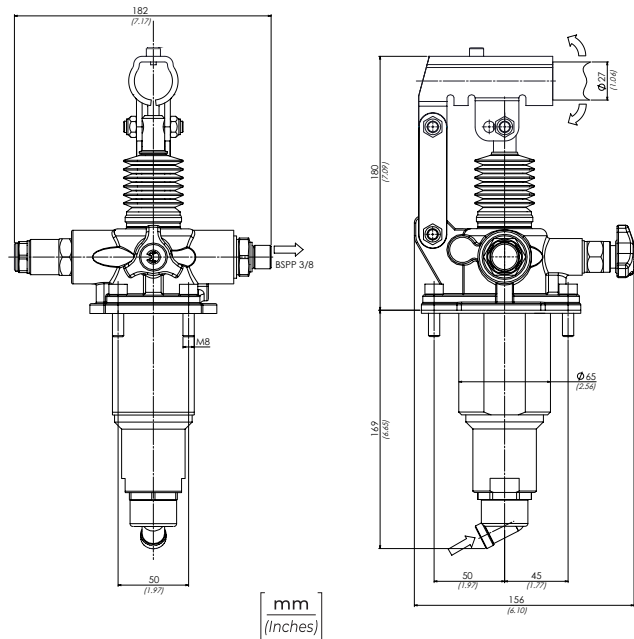
ORDERING CODE

01

02

PME580

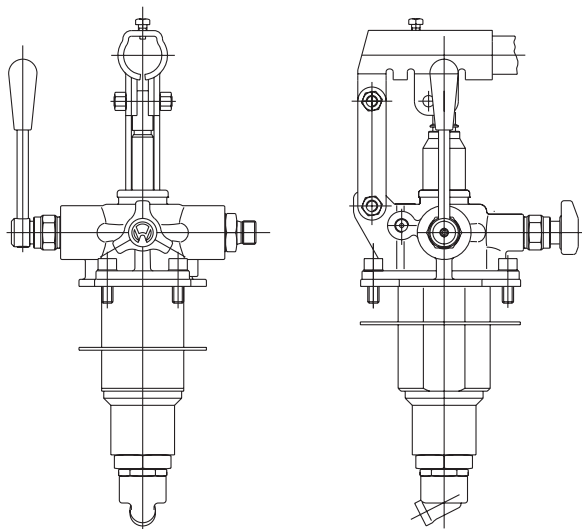
01	双速单作用手动泵 (2 SPEEDS DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)	PME580
02	带塑料保护套 (With rubber protection)	P
	带量规装置 (With arrangement for gauge)	18
	带溢流阀和量规装置 (With relief valves and arrangement for gauge)	X18
	带自动设备 (With automatic device)	CA
	带自动设备和量规装置 (With automatic device and arrangement for gauge)	CA18
	带自动设备和溢流阀 (With automatic device and relief valve)	CARV
	带自动设备, 溢流阀和量规 (With automatic device, relief valve and arrangement for gauge)	CARV18
技术参数 /		



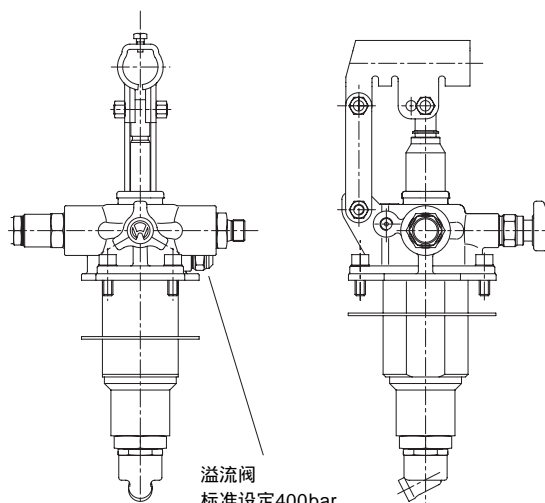
技术参数 / TECHNICAL CHARACTERISTICS

型号	一阶段压力	二阶段压力	一阶段排量	二阶段排量	重量
TYPE	MAX PRESSURE 1 STAGE bar-PSI	MAX PRESSURE 2 STAGE bar-PSI	DISPLACEMENT 1 STAGE cm³-in³	DISPLACEMENT 2 STAGE cm³-in³	APPROX WEIGHT kg-lbt
PME580	20 (290)	500 (7250)	80 (4.9)	5 (0.31)	6,6 (14.55)

18

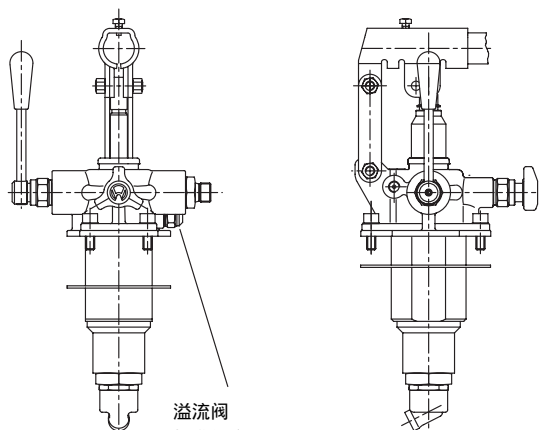


CA18



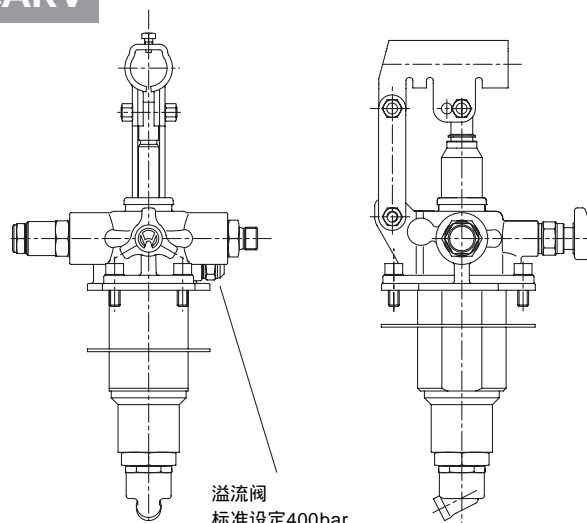
溢流阀
标准设定400bar
(Pressure relief valve
standard setting 5800 PSI)

X18



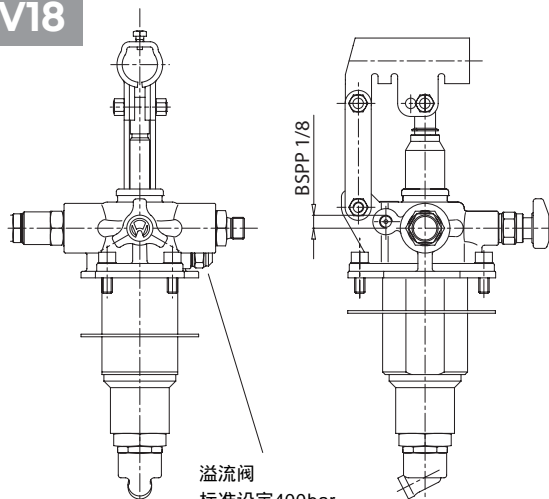
溢流阀
标准设定400bar
(Pressure relief valve
standard setting 5800 PSI)

CARV



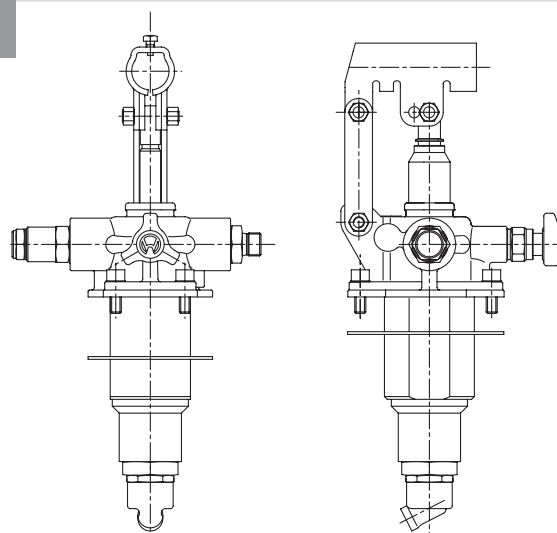
溢流阀
标准设定400bar
(Pressure relief valve
standard setting 5800 PSI)

CARV18



溢流阀
标准设定400bar
(Pressure relief valve
standard setting 400 bar)

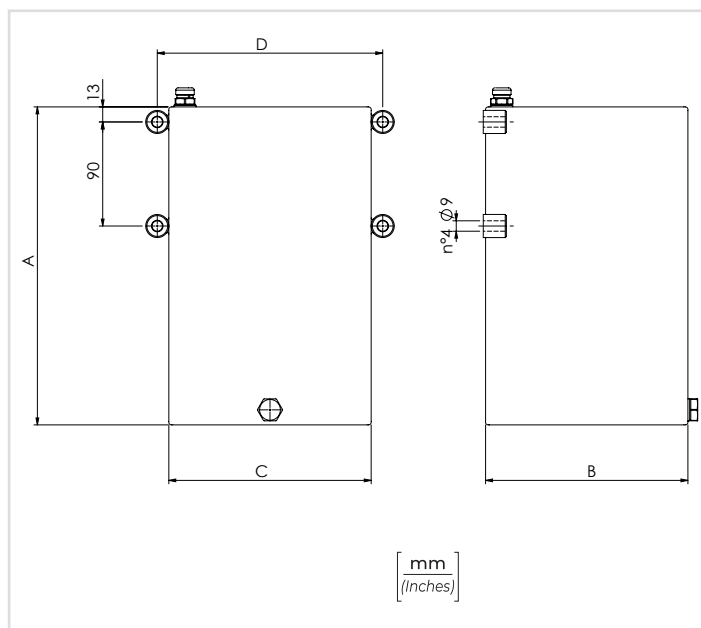
CA





钢质油箱，带 RAL9005 黑色油漆
油箱带呼吸塞和吸油管供货

STEEL RESERVOIR, RAL9005 BLACK OIL PROOF PAINTING, THE RESERVOIR IS INCLUDING THE BREATHER PLUGS AND DRAFT TUBE



型号说明

ORDERING CODE

01

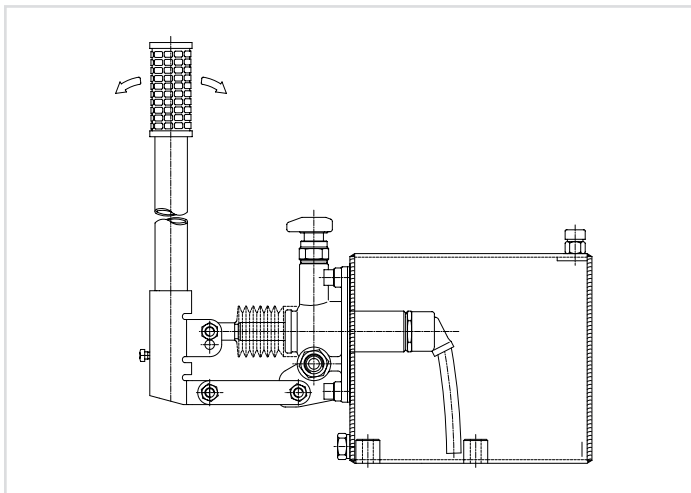
技术参数/ TECHNICAL CHARACTERISTICS

	型号 TYPE	排量 CAPACITY	A	B	C	D	重量 Kg-lbt APPROX WEIGHT
01	17900001	1 Lt. - 6l in. ³	120 (4.72)	150 (5.91)	100 (3.94)	120 (4.72)	2,2 (5)
	17900002	2 Lt. - 122 in. ³	185 (7.28)				2,7 (6)
	17900003	3 Lt. - 183 in. ³	255 (10.04)				3,5 (7,71)
	17900006	5 Lt. - 305 in. ³	200 (7.87)	175 (6.89)		195 (7.68)	5 (10.9)
	17900004	7 Lt. - 427 in. ³	275 (10.83)				5,5 (12.1)
	17900005	10 Lt. - 610 in. ³	380 (14.96)				7,1 (15.39)
	17900014	13 Lt. - 793 in. ³	485 (19.09)				10,75 (23.7)
	17900015	15 Lt. - 915 in. ³	600 (23.62)				12,10 (26.67)
	17900016	20 Lt. - 1220 in. ³	780 (30.71)				16 (35.26)

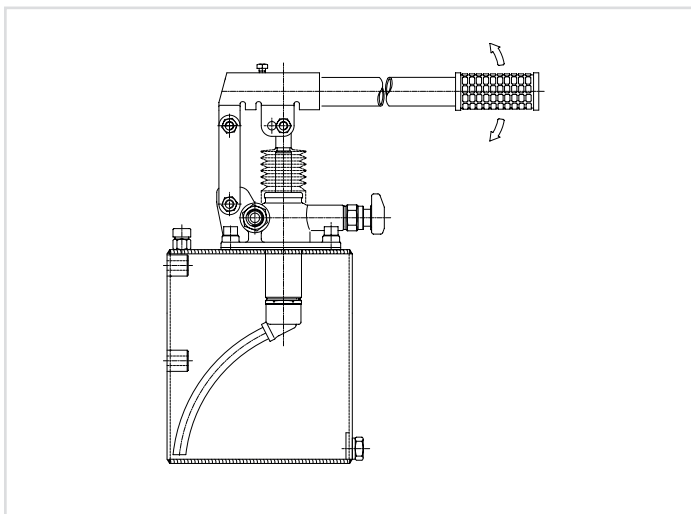
技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀（建议过滤精度15 μm） It is necessary a filter use to protect the valve (advised filtration 15 μm)	

水平安装/ HORIZONTAL MOUNTING



竖直安装/ VERTICAL MOUNTING





TNA 1



TNA 2 - TNA 3 - TNA 5

铝质油箱，带空气堵塞和进口管供货

ALUMINIUM RESERVOIR, THE RESERVOIR INCLUDES THE AIR BLEEDING PLUGS AND SUCTION TUBE

型号说明	01	02
ORDERING CODE	TNA	

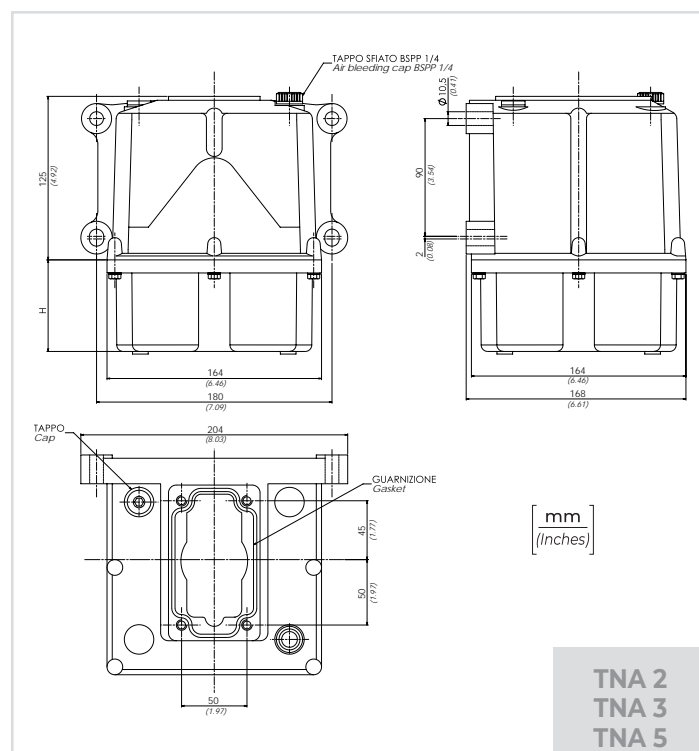
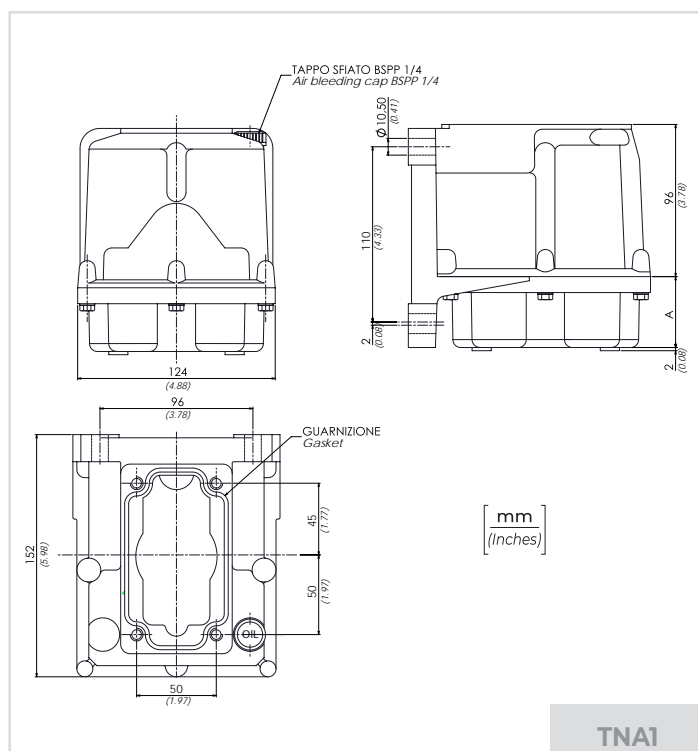
01	铝质油箱 (ALUMINIUM RESERVOIRS)	TNA
02	排量 (CAPACITY)	1 Lt. - 61 in. ³
		2 Lt. - 122 in. ³
		3 Lt. - 183 in. ³
		5 Lt. - 305 in. ³

技术参数/TECHNICAL CHARACTERISTICS

型号 Type	排量 Capacity Lt./in	A	H	重量 Kg-lb Approx weight
TNA 1	1 Lt. - 61 in. ³	40 (1.57)	/	1,1 (2.4)
TNA 2	2 Lt. - 122 in. ³	/	25 (0.98)	1,5 (3.3)
TNA 3	3 Lt. - 183 in. ³	/	70 (2.76)	1,6 (3.5)
TNA 5	5 Lt. - 305 in. ³	/	180 (7.09)	1,8 (4)

技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)	



MONTAGGIO POMPA NEL SERBATOIO

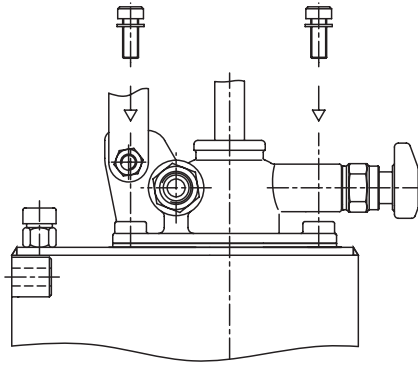
1

Montaggio del tubo aspirazione



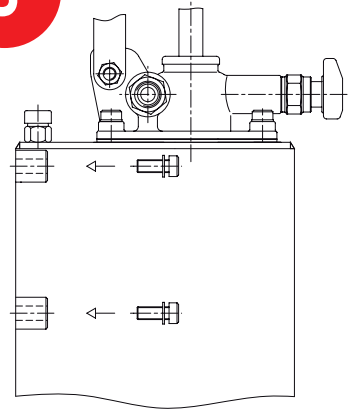
Introdurre il tubo di aspirazione nell'apposito raccordo.

2



Appoggiare la guarnizione in gomma sul serbatoio, posizionare la pompa, assemblare la pompa sul serbatoio mediante kit viti di fissaggio.

3

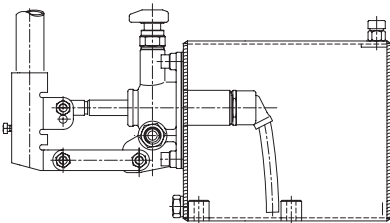


Collocare pompa e serbatoio nella posizione desiderata fissando con 4 viti.

Avvitare per minimo 20 mm.

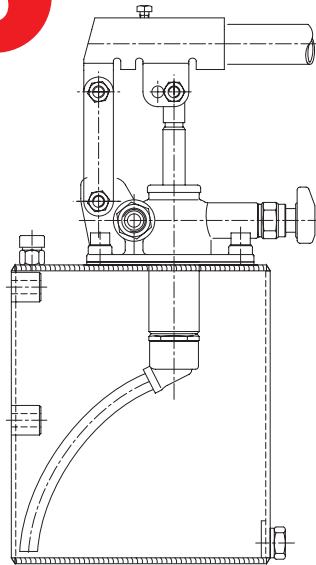
Collegare la mandata della pompa al circuito a semplice o doppio effetto.

4



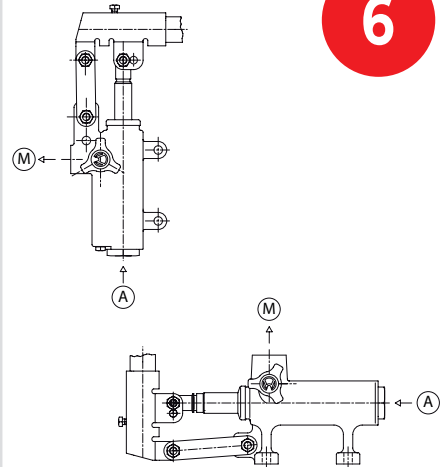
Montaggio orizzontale.

5



Montaggio verticale.

6



Posizionare la pompa in orizzontale o verticale fissandola con apposite viti. Collegare aspirazione (A) e mandata (M) della pompa al circuito.

USO

Per un corretto funzionamento, dopo aver montato la pompa nel o sul serbatoio in modo appropriato, utilizzare esclusivamente olio idraulico a base minerale ISO6743/4 (DIN 51524), viscosità secondo i parametri ISO 3448 (DIN51519).

Viscosità consigliata: 46 mm²/s (cSt)

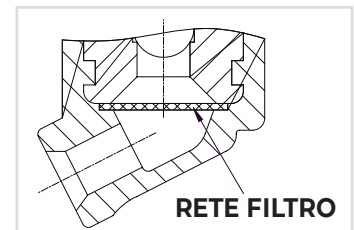
Filtrazione consigliata: 15 µm

Classe di contaminazione: 18/14 ISO4406
(9 NAS 1638)

MANUTENZIONE

Per un corretto funzionamento, si consiglia di seguire le seguenti procedure periodiche:

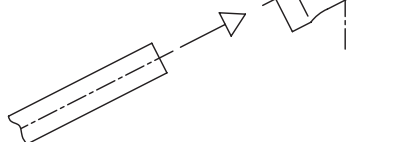
- PULIZIA DELLA RETE FILTRO
- SOSTITUZIONE OLIO



MOUNTING OF PUMP INSIDE THE TANK

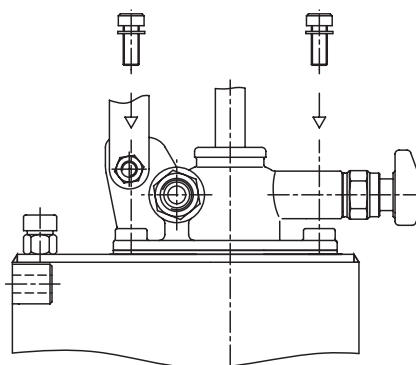
1

Mounting the suction hose



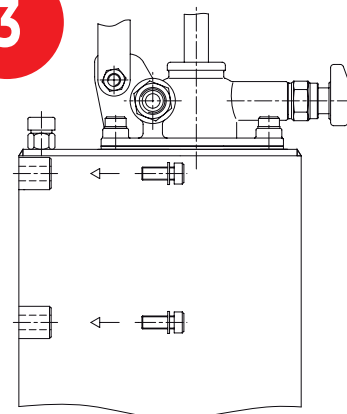
Insert the suction hose in the proper fitting.

2



Put the rubber seal on the tank, position the pump, assemble the pump to the tank by means of the fixing screws kit.

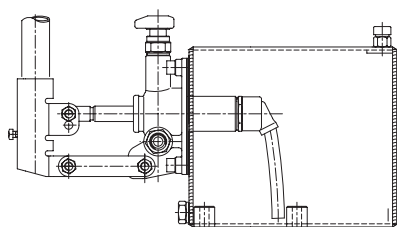
3



Place pump and tank in the position you need and fix them with nr.4 screws. You have to screw for at least 0.79 inch.

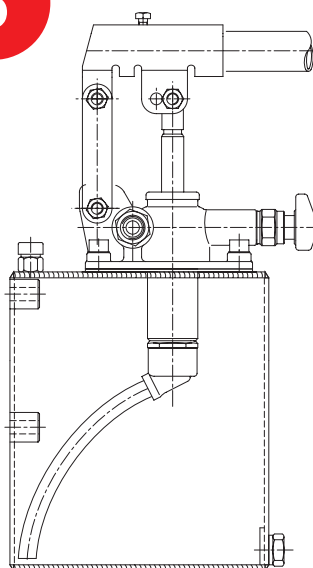
Connect pump delivery to the single or double acting circuit.

4



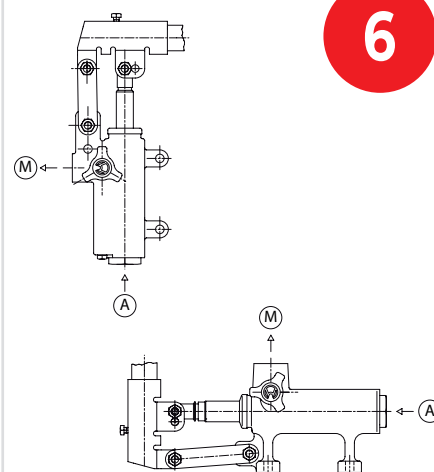
Horizontal mounting.

5



Vertical mounting.

6



Place pump horizontally or vertically and fix with proper screws.

Connect pump suction (A) and delivery (M) to the circuit.

USE

For a good service of the pump, after having assembled the pump inside or on the tank in the proper way, please use only ISO6743/4 (DIN 51524), hydraulic mineral oil, viscosity according to ISO 3448 (DIN51519) standards.

Advised viscosity: 46 mm²/s (cSt)

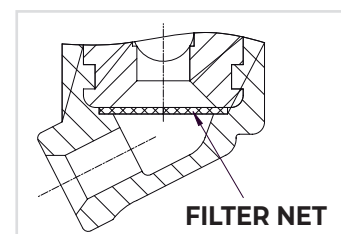
Advised filtration: 15 µm

Contamination class: 18/14 ISO4406
(9 NAS 1638)

MAINTENANCE

For a good service, we advise following periodical operations:

- FILTER NET CLEANING
- OIL REPLACEMENT



FILTER NET



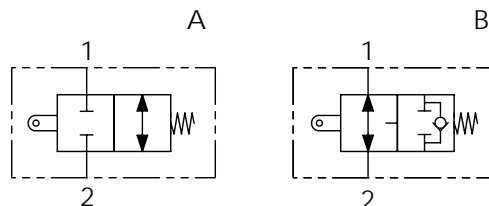
型号说明

ORDERING CODE

01	02	03
FCT		

01	行程阀 (TUG END - STROKE VALVES)	vpr
02	尺寸 (SIZE)	BSPP 3/8
		BSPP 1/2
		BSPP 3/4
		BSPP 1
03	规格 (CIRCUIT)	常闭 (Closed centre)
		常开 (Open centre)

液压符号 / HYDRAULIC CIRCUIT

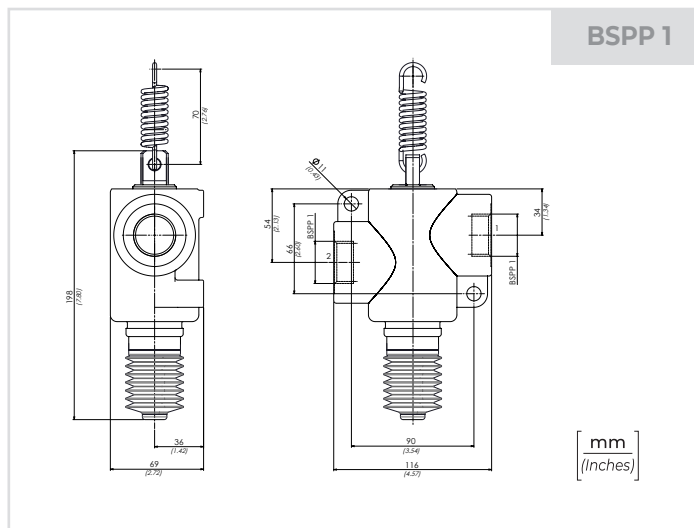
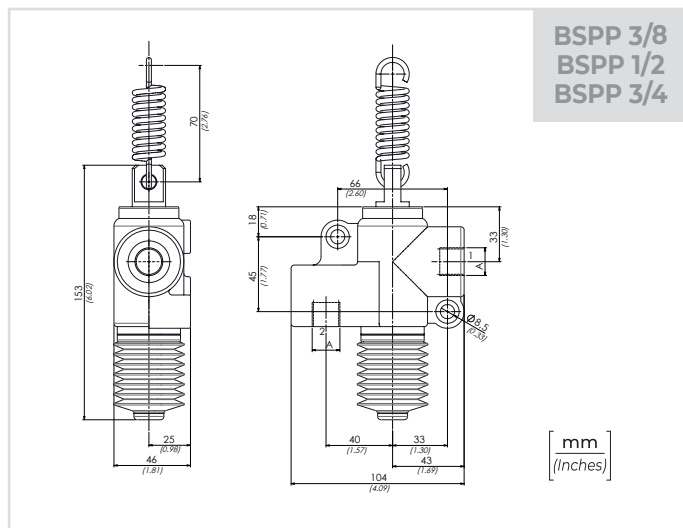


技术参数 / TECHNICAL CHARACTERISTICS

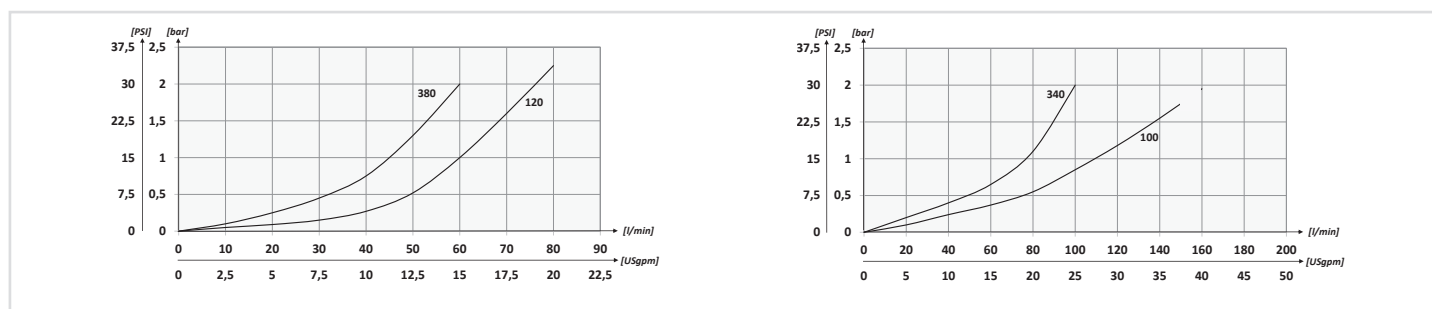
型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
380	BSPP 3/8	60 (15.8)	250 (3625)	1,7 (3.7)
120	BSPP 1/2	80 (21.1)		1,8 (4)
340	BSPP 3/4	100 (26.4)		1,9 (4.1)
100	BSPP 1	140 (37)	200 (2900)	2,5 (5.5)

技术参数 / TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)	



性能曲线 PERFORMANCES

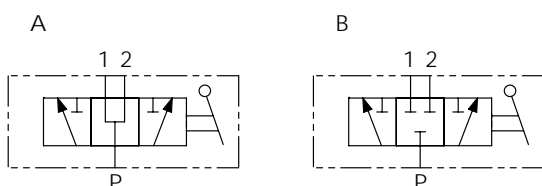


DDFA3-N 高压三位三通手动换向阀

HIGH PRESSURE 3 WAYS FLOW DIVERTERS



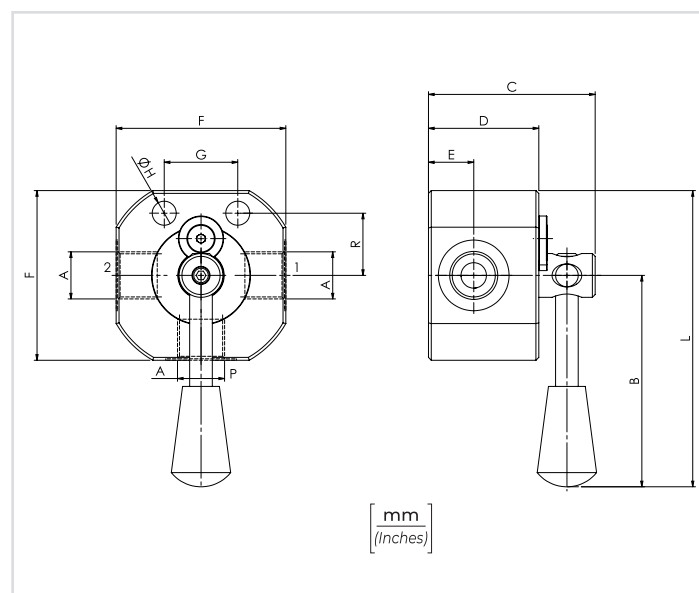
液压符号 / HYDRAULIC CIRCUIT



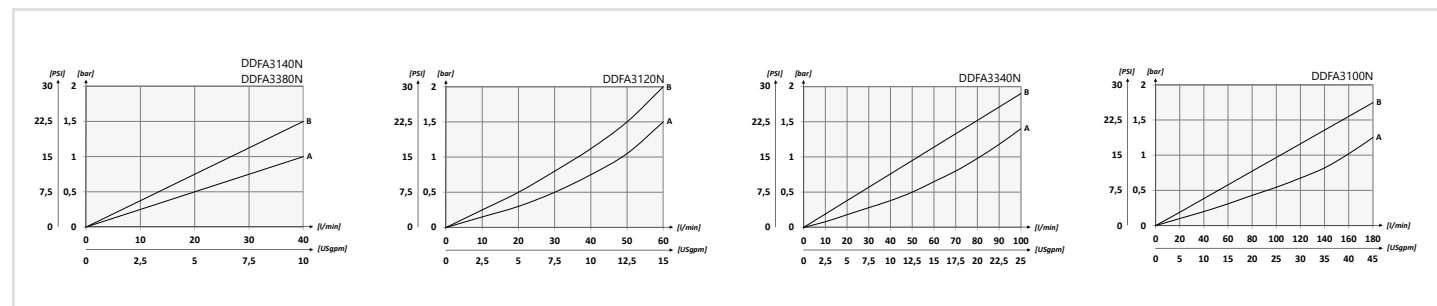
技术参数 / TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)	
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度 - Oil temperature	-20°C +80°C	-4°F +176°F
环境温度 - Environment temperature	-20°C +50°C	-4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏 Max leakage	7滴/分钟 7 drops-min	200 bar 2900 PSI

01	02	03	04	05
型号说明 ORDERING CODE	DDFA3	N	S	
01	高压三位三通手动换向阀 (HIGH PRESSURE 3 WAYS FLOW DIVERTERS)			DDFA3
02	尺寸 (SIZE)	BSPP 1/4		140
		BSPP 3/8		380
		BSPP 1/2		120
		BSPP 3/4		340
		BSPP 1		100
03	新设计版本 (NEW VERSION)			N
04	规格 (CIRCUIT)	常开 (Open centre)		A
		常闭 (Closed centre)		B
05	材料 (MATERIAL)	碳钢 (Steel)		S



PERFORMANCES

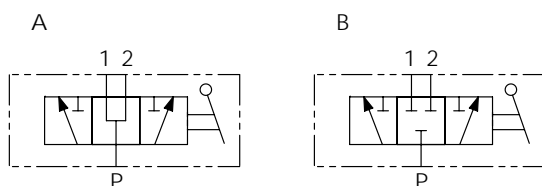


技术参数 / TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	重量 APPROX WEIGHT kg-lbt
DDFA3140-N	BSPP 1/4	40 (10.6)	500 (7250)	80 (3.15)	59 (2.32)	39 (1.54)	16 (0.63)	60 (2.36)	26 (1.02)	8,5 (0.33)	110 (4.33)	22 (0.87)	0.97 (2.13)
DDFA3380-N	BSPP 3/8												0.94 (2.07)
DDFA3120-N	BSPP 1/2	60 (15.8)											0.90 (1.98)
DDFA3340-N	BSPP 3/4	100 (26.4)						80 (3.15)					2.24 (4.93)
DDFA3100-N	BSPP 1	180 (47.5)					23,5 (0.93)	85 (3.35)	32 (1.26)	11 (0.43)	142 (5.59)	26 (1.02)	2.33 (5.14)



液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)	
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度 - Oil temperature	-20°C +80°C	-4°F +176°F
环境温度 - Environment temperature	-20°C +50°C	-4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度 15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏 Max leakage	7滴/分钟 7 drops-min	200 bar 2900 PSI

型号说明

ORDERING CODE

01

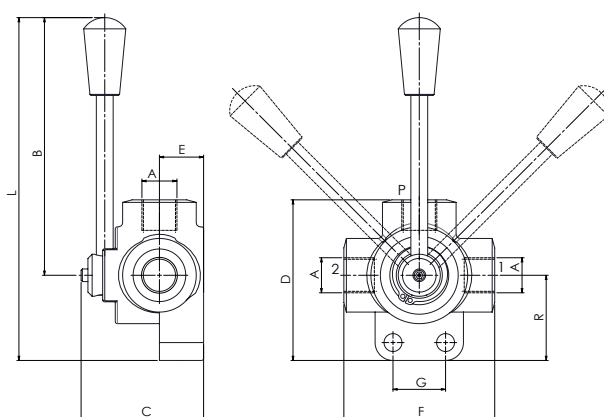
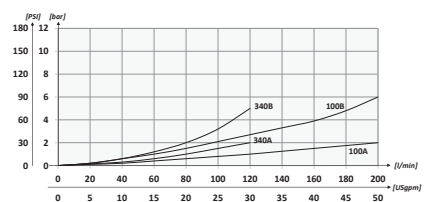
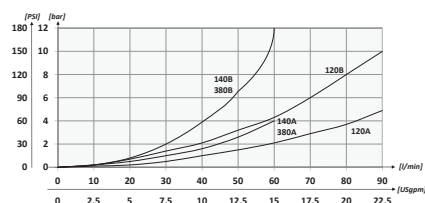
02

03

DDF3

01	3位3通手动换向阀 (3 WAYS FLOW DIVERTERS)		DDF3
02	尺寸 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	规格 (CIRCUIT)	中位常开 (Open centre)	A
		中位常闭 (Closed centre)	B

PERFORMANCES



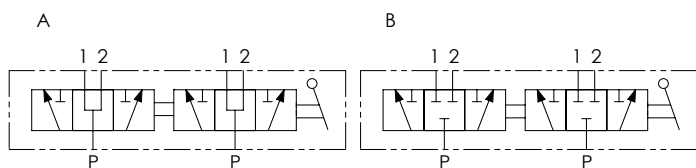
[mm]
[inches]

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	重量 APPROX WEIGHT kg-lbt
DDF3140	BSPP 1/4	60 (15.8)	350 (5075)	115 (4.53)	57 (2.24)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	0,8 (1.8)
DDF3380	BSPP 3/8												
DDF3120	BSPP 1/2	90 (23.8)			63 (2.48)	86 (3.39)	24 (0.94)	80 (3.15)	32 (1.26)	10,5 (0.41)	161 (6.34)	36 (1.42)	1,3 (2.8)
DDF3340	BSPP 3/4	120 (31.7)			67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)			168,5 (6.63)	42 (1.65)	1,7 (3.7)
DDF3100	BSPP 1	200 (52.8)	300 (4350)		77 (3.03)	110 (4.33)	31 (1.22)	98 (3.86)			176,5 (6.95)	50 (1.97)	2,5 (5.5)



液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)	
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
油液温度 - Oil temperature	-20°C +80°C	-4°F +176°F
环境温度 - Environment temperature	-20°C +50°C	-4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度 15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)		
最大泄漏 Max leakage	7滴/分钟 7 drops-min	200 bar 2900 PSI

型号说明

ORDERING CODE

01

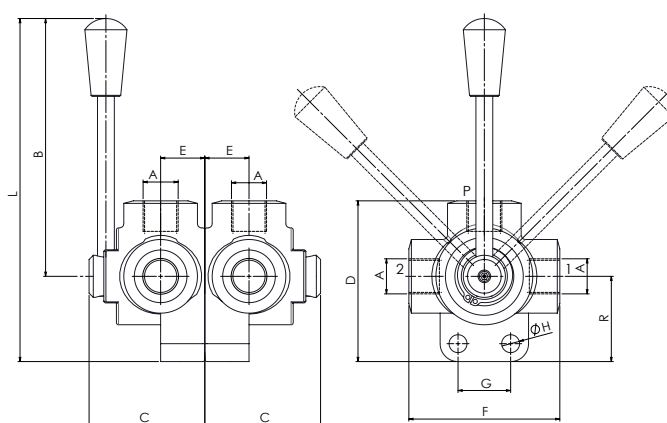
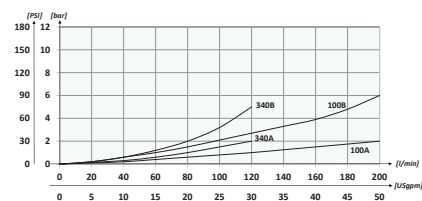
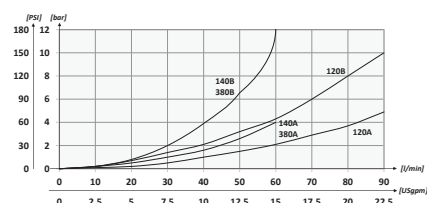
02

03

DDF6

01	3位6通手动换向阀 (6 WAYS FLOW DIVERTERS)		DDF6
02	尺寸 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	规格 (CIRCUIT)	中位常开 (Open centre)	A
		中位常闭 (Closed centre)	B

PERFORMANCES



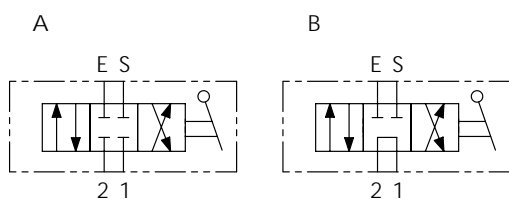
[mm
(Inches)]

技术参数/ TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	重量 APPROX WEIGHT kg-lbt
DDF6140	BSPP 1/4	60+60 (15.8+15.8)	350 (5075)	115 (4.53)	57 (2.24)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	1,6 (3.52)
DDF6380	BSPP 3/8												
DDF6120	BSPP 1/2	90+90 (23.8+23.8)											
DDF6340	BSPP 3/4	120+120 (31.7+31.7)											
DDF6100	BSPP 1	200+200 (52.8+52.8)	300 (4000)										



液压符号/
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 μm) It is necessary a filter use to protect the valve (advised filtration 15 μm)	
最大泄漏 Max leakage	7滴/分钟 200 bar 7 drops-min 2900 PSI

型号说明

ORDERING CODE

01

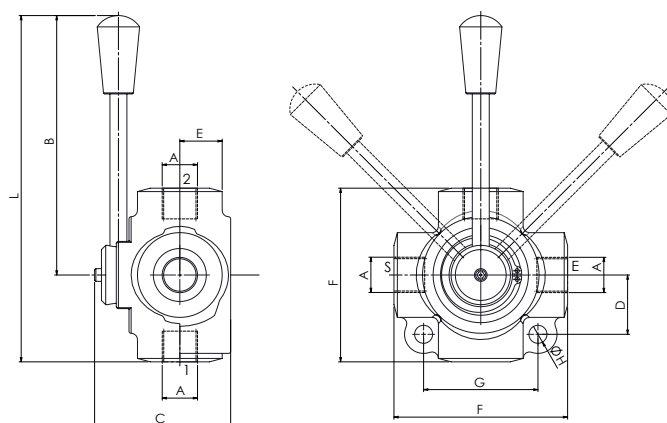
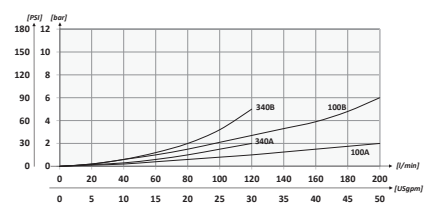
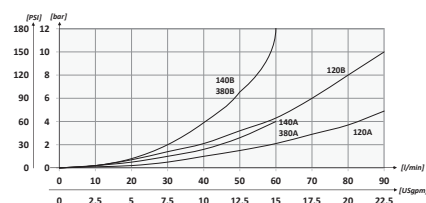
02

03

IDF4

01	3位4通手动换向阀 (4 WAYS FLOW DIVERTERS)		IDF4
02	尺寸 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	规格 (CIRCUIT)	中位常闭 (Closed centre)	A
		中位常开 (Open centre)	B

PERFORMANCES



mm
(Inches)

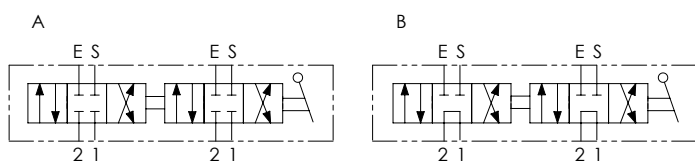
技术参数/

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	重量 kg-lbt APPROX WEIGHT
IDF4140	BSPP 1/4	60 (15.8)	350 (5075)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.94)	80 (3.15)	54 (2.13)	8,5 (0.33)	155 (6.10)	1,3 (2.8)
IDF4380	BSPP 3/8											
IDF4120	BSPP 1/2	90 (23.8)							74 (2.91)	10,5 (0.41)	162 (6.38)	2,8 (6.1)
IDF4340	BSPP 3/4	120 (31.7)										
IDF4100	BSPP 1	200 (52.8)	300 (4350)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)				2,5 (5.51)



液压符号/ HYDRAULIC CIRCUIT



技术参数/ TECHNICAL DATA

介质 - Mineral oil	ISO 6743/4 (DIN 51524)
粘度 - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
过滤要求 Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度 - Oil temperature	-20°C +80°C -4°F +176°F
环境温度 - Environment temperature	-20°C +50°C -4°F +122°F
需要有一个过滤器来保护阀 (建议过滤精度15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
最大泄漏 Max leakage	7滴/分钟 200 bar 7 drops-min 2900 PSI

型号说明

ORDERING CODE

01

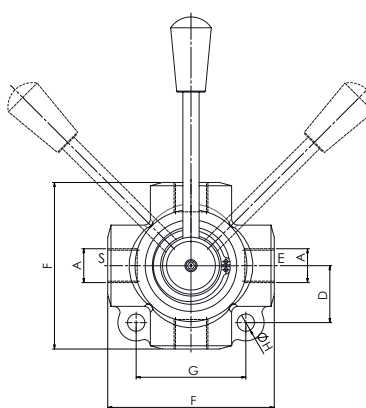
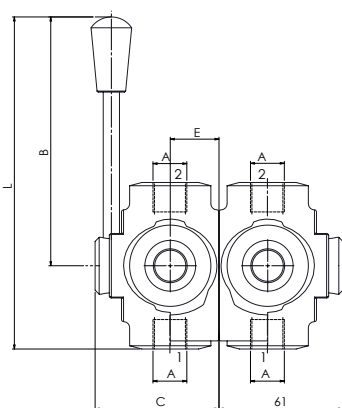
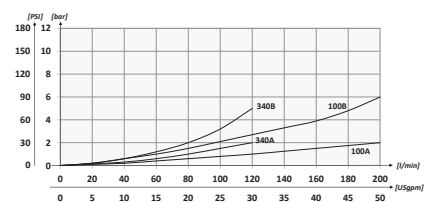
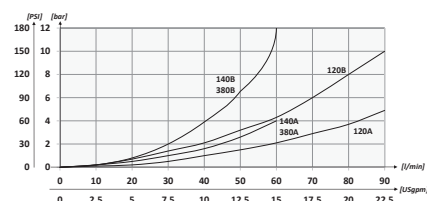
02

03

IDF8

01	3位3通手动换向阀 (8 WAYS FLOW DIVERTERS)	IDF8
02	尺寸 (SIZE)	BSPP 1/4
		140
		BSPP 3/8
		380
		BSPP 1/2
03	规格 (CIRCUIT)	BSPP 3/4
		120
		BSPP 1
		340
		100
03	规格 (CIRCUIT)	中位常开 (Closed centre)
		A
03	规格 (CIRCUIT)	中位常闭 (Open centre)
		B

PERFORMANCES



[mm
(Inches)]

技术参数/

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	重量 kg-lbt APPROX WEIGHT
IDF8140	BSPP 1/4	60+60 (15.8+15.8)	350 (5075)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.94)	80 (3.15)	54 (2.13)	8,5 (0.33)	155 (6.10)	2,70 (5.86)
IDF8380	BSPP 3/8	90+90 (23.8+23.8)										2,52 (5.47)
IDF8120	BSPP 1/2	120+120 (31.7+31.7)							74 (2.91)	10,5 (0.41)	162 (6.38)	5,10 (11.07)
IDF8340	BSPP 3/4	200+200 (52.8+52.8)										4 (8.8)
IDF8100	BSPP 1		300 (4000)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)				

COMPONENTI E ACCESSORI

HYDRAULIC COMPONENTS

Ball valves 2, 3 or 4 ways, rotating couplings, pressure gauge shut-off valves and test couplings for pressure checking.

二通、三通、四通球阀 旋转接头 压力开关 测压接头





选型

ORDERING CODE

01

02

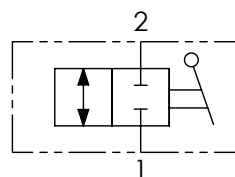
03

RAS2

01	二通球阀	(2 WAYS BALL VALVES)	RAS2
02	规格 DIMENSIONE (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112
03	OPTIONAL	Fori di fissaggio (Fixing ports)	P

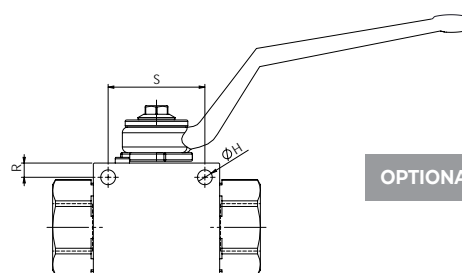
液压符号

HYDRAULIC CIRCUIT

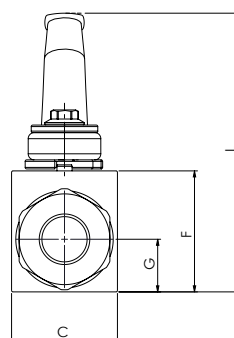
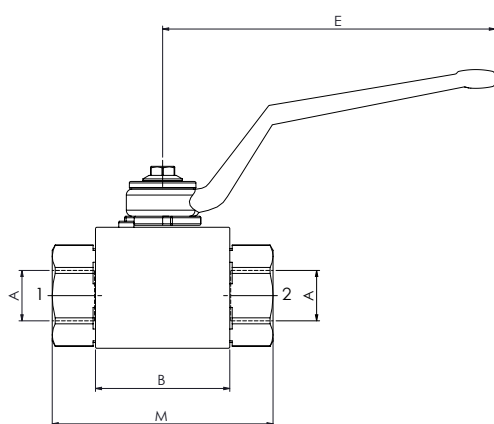


技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
黏度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



OPTIONAL



[mm
(Inches)]

技术参数

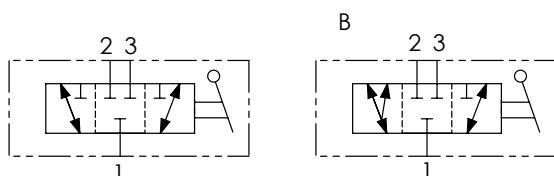
TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	E	F	G	H	L	M	R	S	重量 APPROX WEIGHT kg-lbt		
RAS2180	BSPP 1/8	15 (4)	500 (7250)	42,4 (1.67)	30 (1.18)	110 (4.33)	35 (1.38)	14,5 (0.57)	5,2 (0.20)	91,5 (3.60)	71 (2.80)	4,5 (0.18)	34 (1.34)	0,5 (1.1)		
RAS2140	BSPP 1/4	25 (6.6)		44,4 (175)	35 (1.38)		40 (1.57)	17,5(0.69)		96,5 (3.80)	73 (2.87)			0,7(1.5)		
RAS2380	BSPP 3/8	35 (9.2)		48,4 (1.91)	37 (1.46)		43 (1.69)	18 (0.71)		99,5 (3.92)	83 (3.27)			5 (0.20)	36 (1.42)	0,8 (1.8)
RAS2120	BSPP 1/2	60 (15.8)		62,5 (2.46)	45 (1.77)		55 (2.17)	23,5 (0.93)		106,5 (4.19)	95 (3.74)			1,5 (3.3)		
RAS2340	BSPP 3/4	100 (26.4)	400 (5800)	66,5 (2.62)	55 (2.17)	180 (7.09)	65 (2.56)	29,5 (1.16)	6,2 (0.24)	116,5 (4.59)	112 (4.41)	6 (0.24)	50 (1.97)	2,3 (5)		
RAS2100	BSPP 1	150 (39.6)	350 (5075)								120 (4.72)			2,5 (5.5)		
RAS2114	BSPP 1-1/4										124 (4.88)					
RAS2112	BSPP 1-1/2															



液压符号

HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

03

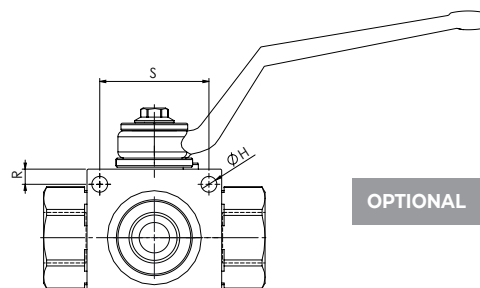
04

RAS3

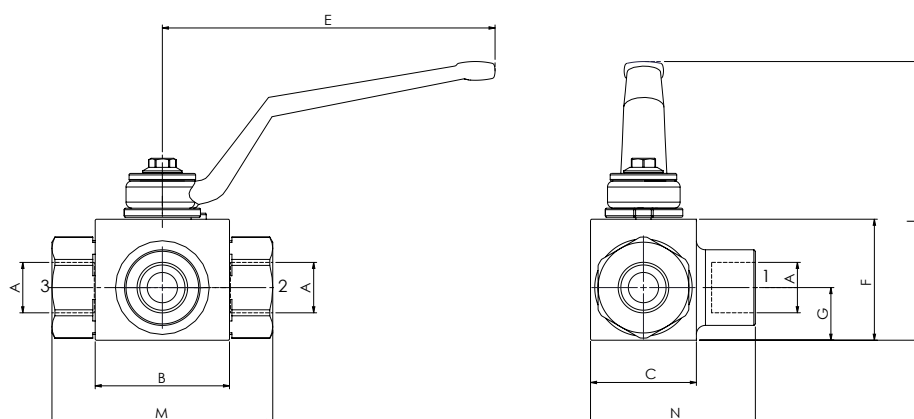
01	三通球阀 (3 WAYS BALL VALVES)		RAS3
02	规格 (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112
03	机能 (CIRCUIT)	STANDARD	/
		SCHEMA B	B
04	OPTIONAL	Fori di fissaggio (Fixing ports)	P

技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
黏度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



OPTIONAL



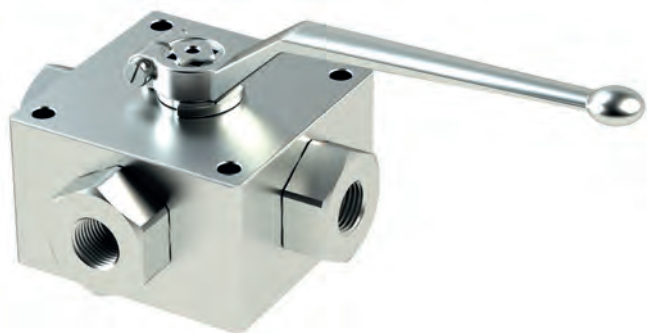
mm

Inches

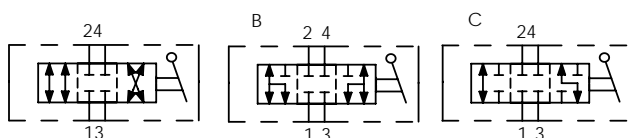
技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	E	F	G	H	L	M	N	R	S	重量 APPROX WEIGHT kg-lbt
RAS3180	BSPP 1/8	15 (4)	400 (5800)	42,4 (1.67)	30 (1.18)	110 (4.33)	35 (1.38)	14,5 (0.57)	5,2 (0.20)	91,5 (3.60)	71 (2.80)	48,5 (1.91)	4,5 (0.18)	34 (1.34)	0,6 (1.3)
RAS3140	BSPP 1/4	25 (6.6)		44,4 (175)	35 (1.38)		40 (1.57)	17,5 (0.69)		96,5 (3.80)	73 (2.87)	54,5 (2.15)	5 (0.20)	36 (1.42)	0,7 (1.5)
RAS3380	BSPP 3/8	35 (9.2)					43 (1.69)	18 (0.71)		99,5 (3.92)	83 (3.27)	58,5 (2.30)	6 (0.24)	50 (1.97)	0,8 (1.8)
RAS3120	BSPP 1/2	60 (15.8)	350 (5075)	48,4 (1.91)	37 (1.46)	180 (7.09)	55 (2.16)	23,5 (0.93)	6,2 (0.24)	106,5 (4.19)	95 (3.74)	75 (2.95)			2,4 (5.3)
RAS3340	BSPP 3/4	100 (26.4)		62,5 (2.46)	45 (1.77)		65 (2.56)	29,5 (1.16)		116,5 (4.59)	120 (4.72)	87,5 (3.44)			
RAS3100	BSPP 1	150 (89.6)		66,5 (2.62)	55 (2.17)		65 (2.56)	29,5 (1.16)		116,5 (4.59)	112 (4.41)	87,5 (3.44)	2,8 (6)		
RAS3114	BSPP 1-1/4										120 (4.72)				
RAS3112	BSPP 1-1/2										124 (4.88)				



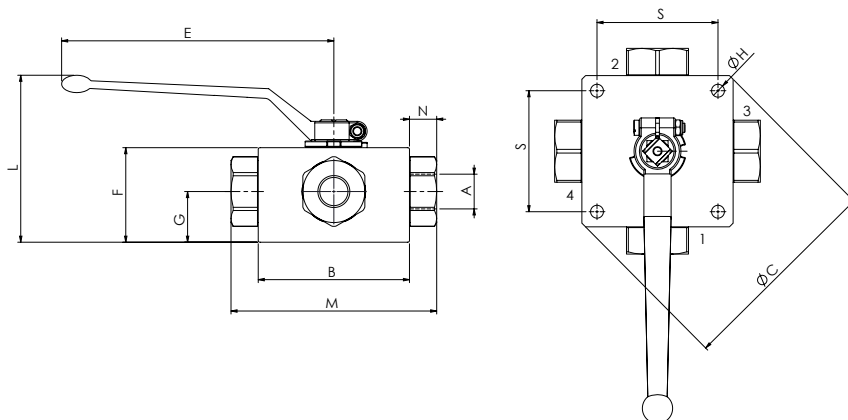
液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
黏度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

选型	01	02	03	04
ORDERING CODE	RAS4			P
01	四通球阀 (4 WAYS BALL VALVES)			RAS4
02	规格 (SIZE)	BSPP 1/4	140	
		BSPP 3/8	380	
		BSPP 1/2	120	
		BSPP 3/4	340	
		BSPP 1	100	
		BSPP 1-1/4	114	
03	机能 (CIRCUIT)	BSPP 1-1/2	112	
		STANDARD	/	
		SCHEMA B	B	
04	OPTIONAL	SCHEMA C	C	
		Fori di fissaggio (Fixing ports)	P	



技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	E	F	G	H	L	M	N	S	重量 APPROX WEIGHT kg-lbt
RAS4140	BSPP 1/4	25 (6.6)	500 (7250)	70 (2.76)	/	110 (4.33)	42 (1.65)	21,5 (0.85)	6,5 (0.26)	97,5 (3.84)	100 (3.94)	15,5 (0.61)	55 (2.17)	1,80 (3.96)
RAS4380	BSPP 3/8	35 (9.2)	400 (5800)	80 (3.15)		180 (7.09)	53 (2.09)	28,5 (1.12)		101 (3.98)	115 (4.53)		65 (2.56)	3 (6.60)
RAS4120	BSPP 1/2	60 (15.8)	350 (5075)	100 (3.94)			62 (2.44)	33 (1.30)		110 (4.33)	136 (5.35)	17 (0.67)	80 (3.15)	5,2 (11.44)
RAS4340	BSPP 3/4	100 (26.4)		113 (4.45)		68 (2.68)			36 (1.42)					
RAS4100	BSPP 1	150 (89.6)		118 (4.65)	138 (5.43)		300 (11.81)	82 (3.23)		47,5 (1.87)	8,5 (0.33)	130,5 (5.14)	181 (7.13)	24 (0.94)
RAS4114	BSPP 1-1/4													
RAS4112	BSPP 1-1/2					9,2 (20.24)								



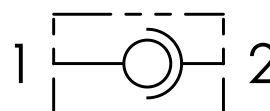
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
黏度	- Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

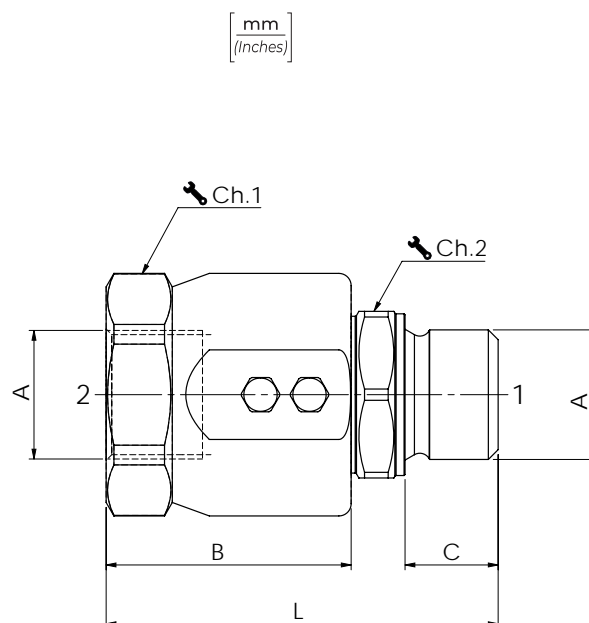
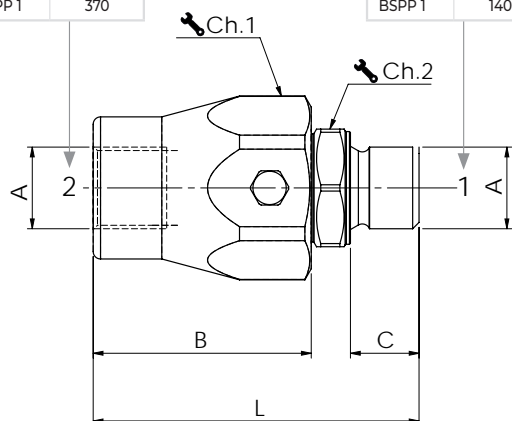
选型	01	02
ORDERING CODE	GGIL	

01	直线旋转接头 (IN-LINE ROTATING COUPLINGS)		GGIL
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100

液压符号 HYDRAULIC CIRCUIT



扭矩 TIGHTENING TORQUES FOR STUD		扭矩 60° FEMALE SWIVEL ENDS TIGHTENING TORQUE VALUES	
②	Nm	①	Nm
BSPP 1/4	40	BSPP 1/4	20
BSPP 3/8	90	BSPP 3/8	35
BSPP 1/2	120	BSPP 1/2	60
BSPP 3/4	210	BSPP 3/4	115
BSPP 1	370	BSPP 1	140



技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	最大旋转压力 MAX ROTATION PRESSURE bar-PSI	最大旋转速度 MAX ROTATION SPEED rev-min	B	C	Ch. 1	Ch. 2	L	重量 APPROX WEIGHT kg-lbt
GGIL140	BSPP 1/4	25 (6.6)	400 (5800)	200 (2900)	212	42 (1.65)	11 (0.43)	30	19	61 (2.40)	0,21 (0.46)
GGIL380	BSPP 3/8	35 (9.2)			173	44 (1.73)	14 (0.55)	34	24	66 (2.60)	0,27 (0.60)
GGIL120	BSPP 1/2	60 (15.8)	300 (4350)	150 (2175)	160	47 (1.85)	15 (0.59)	36	27	71 (2.80)	0,34 (0.75)
GGIL340	BSPP 3/4	100 (26.4)			120	50 (1.97)	19 (0.75)	45	34	80 (3.15)	0,66 (1.45)
GGIL100	BSPP 1	180 (47.5)		100 (1450)	100	57 (2.24)	21 (0.83)	50	41	90 (3.54)	0,90 (1.98)



选型

ORDERING CODE

01

02

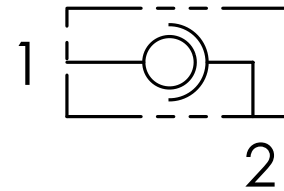
GG90

01	90 ° 线旋转接头 (90° ROTATING COUPLINGS)		GG90
02	规格 DIMENSIONE (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100

技术参数 TECHNICAL DATA

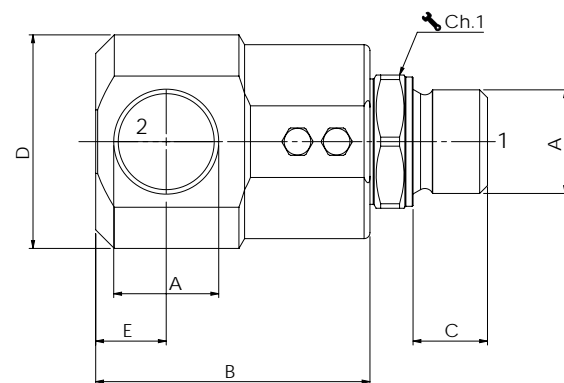
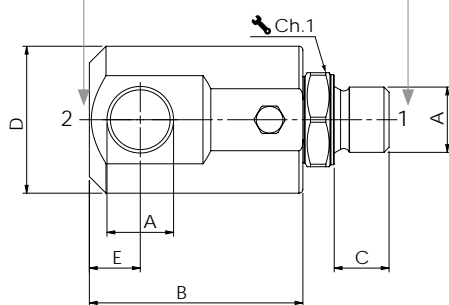
矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
黏度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter		ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

液压符号 HYDRAULIC CIRCUIT



扭矩 TIGHTENING TORQUES FOR STUD	
②	Nm
BSPP 1/4	40
BSPP 3/8	90
BSPP 1/2	120
BSPP 3/4	210
BSPP 1	370

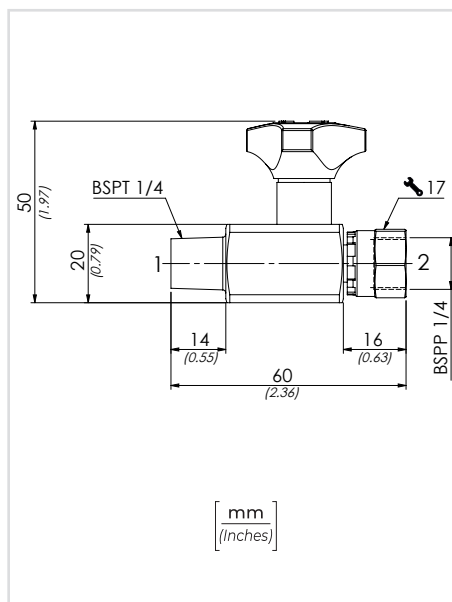
扭矩 60° FEMALE SWIVEL ENDS TIGHTENING TORQUE VALUES	
①	Nm
BSPP 1/4	20
BSPP 3/8	35
BSPP 1/2	60
BSPP 3/4	115
BSPP 1	140


 $\left[\frac{\text{mm}}{(\text{Inches})} \right]$

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	最大旋转压力 MAX ROTATION PRESSURE bar-PSI	最大旋转速度 MAX ROTATION SPEED rev-min	B	C	D	E	L	Ch.1	重量 Approx weight kg-lbt
GG90140	BSPP 1/4	25 (6.6)	400 (5800)	200 (2900)	212	50 (1.97)	11 (0.43)	33,5 (1.32)	11 (0.43)	69 (2.71)	19	0,31 (0.68)
GG90380	BSPP 3/8	35 (9.2)			173	54 (2.13)	14 (0.55)	37,5 (1.48)	13 (0.51)	76 (2.99)	24	0,41 (0.90)
GG90120	BSPP 1/2	60 (15.8)	300 (4350)	150 (2175)	160	63 (2.48)	15 (0.59)	39,5 (1.56)	14 (0.55)	87 (3.43)	27	0,52 (1.15)
GG90340	BSPP 3/4	100 (26.4)			120	70 (2.76)	19 (0.75)	54,5 (2.15)	18 (0.71)	100 (3.94)	34	0,96 (2.11)
GG90100	BSPP 1	180 (47.5)			100	80 (3.15)	21 (0.83)	59 (2.32)	25 (0.98)	113 (4.45)	41	1,25 (2.75)



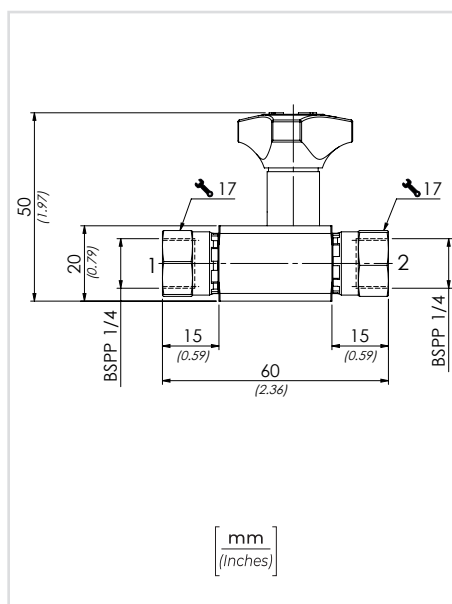
技术参数 TECHNICAL DATA

矿物油 Mineral oil	ISO 6743/4 DIN 51524
黏度 Oil viscosity	15-250 mm ² /s 45 to 2000 ssu (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter	ISO 4406:1999 - Classe 19/17/14
油液温度 Oil temperature	-20°C +80°C -4°F +176°F
环境温度 Environment temperature	-20°C +50°C -4°F +122°F
最大压力 Max pressure (PSI)	400 (5800)
重量 Approx weight (lb)	0,15 (0.33)

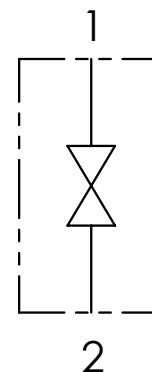
选型

SOV1400

ORDERING CODE



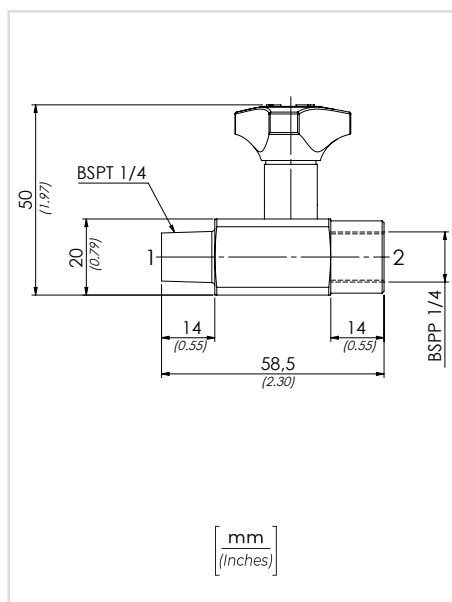
液压符号 HYDRAULIC CIRCUIT



选型

SOV1400FF

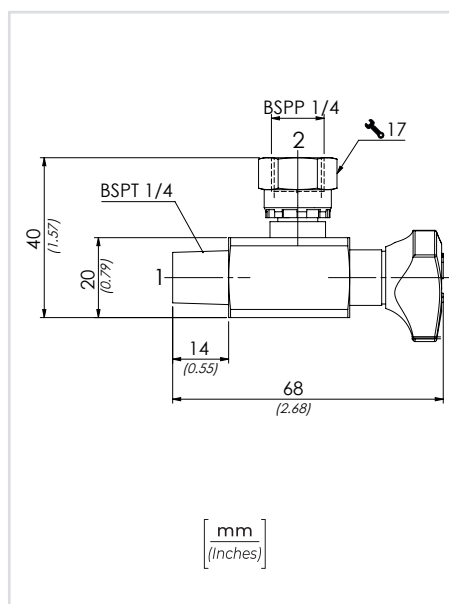
ORDERING CODE



选型

SOV1400MF

ORDERING CODE



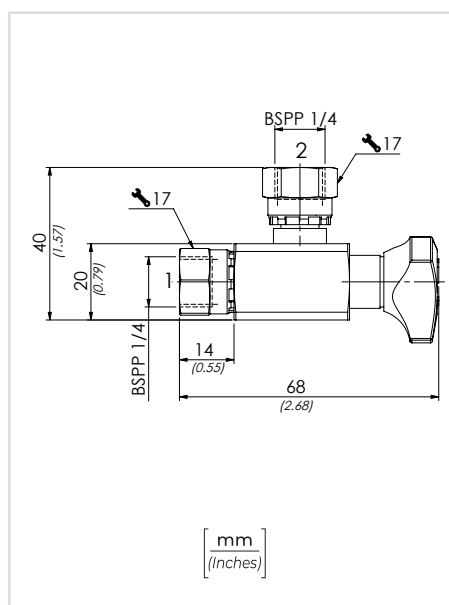
技术参数 TECHNICAL DATA

矿物油 Mineral oil	ISO 6743/4 DIN 51524
黏度 Oil viscosity	15-250 mm ² /s 45 to 2000 ssu (15 to 250 cSt)
最大污染过滤指数 Max contamination index with filter	ISO 4406:1999 - Classe 19/17/14
油液温度 Oil temperature	-20°C +80°C -4°F +176°F
环境温度 Environment temperature	-20°C +50°C -4°F +122°F
最大压力 Max pressure (PSI)	400 (5800)
重量 Approx weight (lb)	0,15 (0.33)

选型

ORDERING CODE

SOV1490

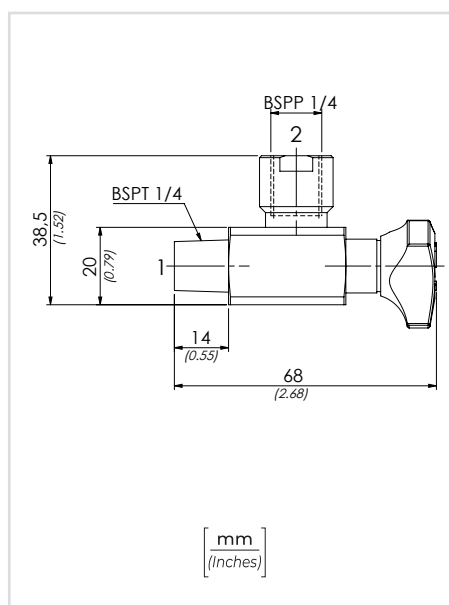
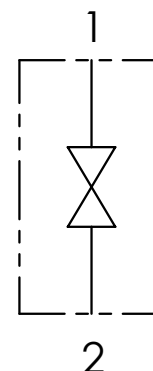


选型

ORDERING CODE

SOV1490FF

液压符号 HYDRAULIC CIRCUIT



选型

ORDERING CODE

SOV1490MF



选型

ORDERING CODE

01

02

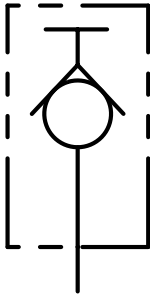
MNP

01	测压接头 (TEST COUPLINGS FOR PRESSURE CHECKING)		MNP
02	规格 (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120

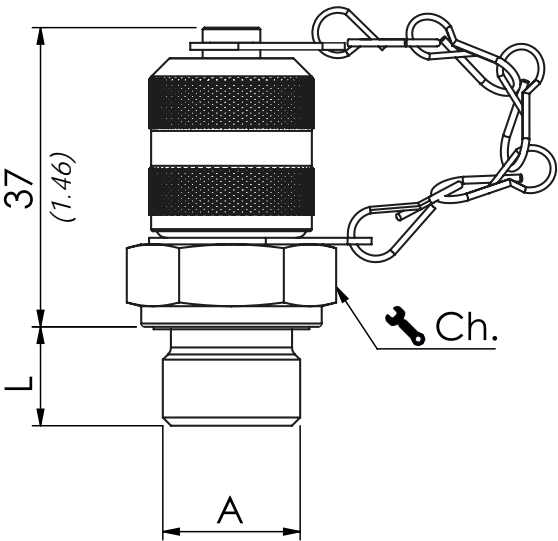
技术参数 TECHNICAL DATA

矿物油	- Mineral oil	ISO 6743/4 (DIN 51524)
黏度	- Oil viscosity	15-250 mm²/s (15 to 250 cSt)
最大污染过滤指数	Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
油液温度	- Oil temperature	-20°C +80°C -4°F +176°F
环境温度	- Environment temperature	-20°C +50°C -4°F +122°F
使用带过滤器的系统是必要的 (推荐使用15um过滤器) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

液压符号 HYDRAULIC CIRCUIT



MINIPRESE
TEST COUPLINGS
M16X2



[mm
(Inches)]

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大压力 MAX PRESSURE bar-PSI	Ch. mm	L	紧固扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 (kg) APPROX WEIGHT (lbt)
MNP180	BSPP 1/8	630 (9135)	17	8 (0.31)	20 (14.6)	0,07 (0.16)
MNP140	BSPP 1/4		19	12 (0.47)	30 (22)	0,08 (0.18)
MNP380	BSPP 3/8		22	12 (0.47)	60 (44)	0,10 (0.22)
MNP120	BSPP 1/2		27	14 (0.55)	80 (58.6)	0,13 (0.29)

农业设备及维修
AGRICULTURE AND SERVICE



PLOUGHS



ROTARY TILLERS



WASTE MACHINES



POWER HARROWS



FOREST MACHINES



MULCHERS



ROUND BALERS



SEEDING MACHINES



BOOM MOWERS



SALT SPREADERS



SPRAYERS

INDUSTRIAL AND SERVICE MACHINERIES



TIRE CHANGERS



PRESSES



INDUSTRIAL INSTALLATIONS



INDUSTRIAL TAPES



SOLAR AND WIND INSTALLATIONS

MACCHINARI MOVIMENTAZIONE TERRA E COSTRUZIONI EARTH MOVING AND CONSTRUCTION MACHINERIES



MOBILE CRANES



SKID LOADERS



DOZERS



MINI DUMPERS



EXCAVATORS
AND MINI-EXCAVATORS



ASPHALT MACHINES



CRAWLER CARRIES



ATTACHMENTS

LIFTING AND TRANSPORT MACHINERIES



MINI CRANES



FORKLIFTS



MINI PICKERS



SKIP LOADERS



TAIL LIFTS



CAR LIFTERS



TRUCK CRANES



HOOK LOADERS

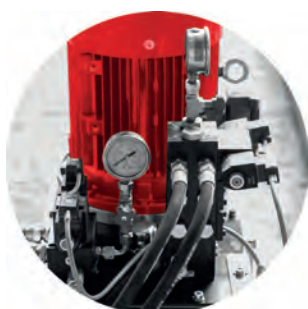


AERIAL PLATFORMS



TOOLS

HYDRAULIC COMPONENTS



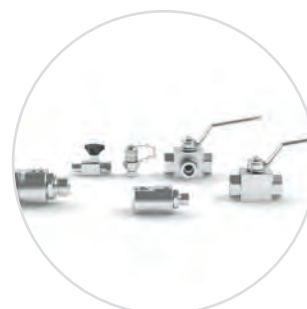
MINI-POWER PACKS



DCVS



HYDRAULIC SYSTEMS



SPARE PARTS

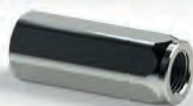
目录 CATALOGUE -

不锈钢材质
STAINLESS STEEL



节流阀 二通球阀 三通球阀 压力表开关
测压接头 手动泵 油箱

Unidirectional flow control valves, ball valves
2 and 3 ways, pressure gauge shut-off valves,
test coupling for pressure checking, hand
pump and tank.



XVUR-BSPP 单向阀 F/F CHECK HOUSING VALVES



ACCIAIO INOSSIDABILE
STAINLESS STEEL

选型

ORDERING CODE

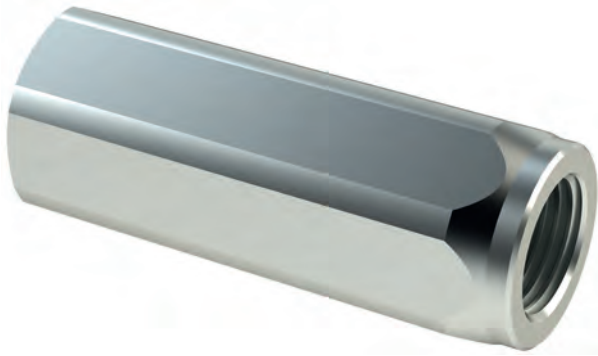
01

02

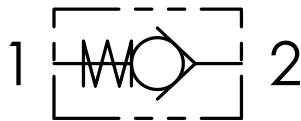
03

04

XVUR



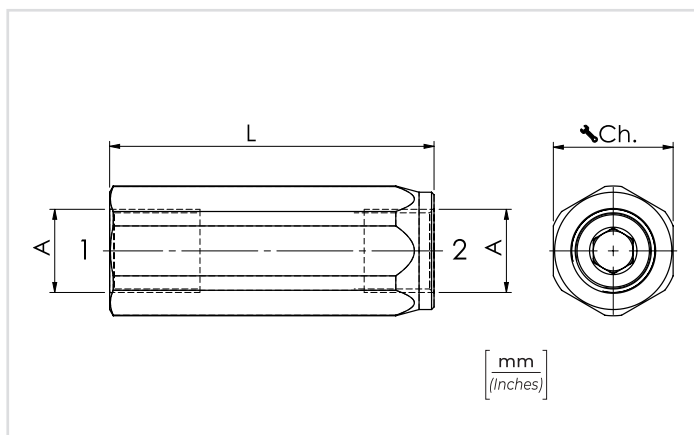
液压符号 HYDRAULIC CIRCUIT



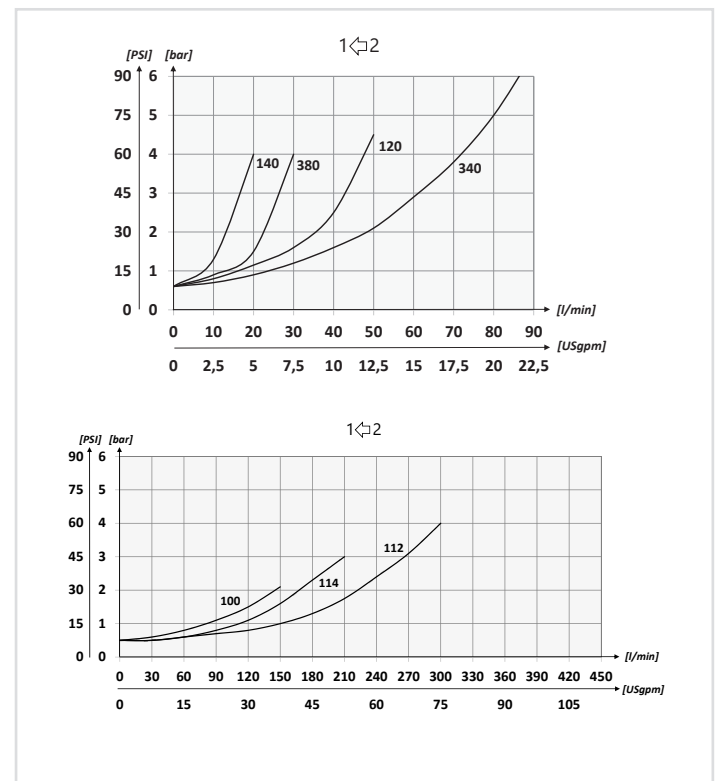
01	单向阀 (F/F CHECK HOUSING VALVES)		XVUR
02	规格 (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112
03	密封 (SEALING)	Tenuta a cono (Poppet sealing)	SP
04	弹簧 (SPRING)	1 bar Standard (14.5 PSI)	1

技术参数 TECHNICAL DATA

零件 / COMPONENT	材质 / MATERIAL
阀体 / Manifold	1.4404 (AISI 316L)
弹簧 / Spring	1.4404 (AISI 316L)
阀芯 / Poppet	1.4404 (AISI 316L)
弹簧垫片 / Spring Spacer	1.4404 (AISI 316L)



性能曲线



技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	L	Ch.	重量 (kg) APPROX WEIGHT (lb)
XVUR140	BSPP 1/4	15 (4.0)	400 (5800)	55 (2.17)	19	0,10 (0.22)
XVUR380	BSPP 3/8	30 (7.9)		65 (2.56)	24	0,18 (0.40)
XVUR120	BSPP 1/2	50 (13.2)		75 (2.95)	27	0,23 (0.50)
XVUR340	BSPP 3/4	90 (23.8)		86,5 (3.41)	35	0,45 (1)
XVUR100	BSPP 1	150 (39.6)	50 (5075)	110 (4.33)	54	0,73 (1.6)
XVUR114	BSPP 1-1/4	200 (52.8)		123 (4.84)	59	1,5 (3.3)
XVUR112	BSPP 1-1/2	300 (79.2)		138 (5.43)	69	1,85 (4.07)

YVUR-BSPP 仅阀体是不锈钢的单向阀

F/F CHECK HOUSING VALVES, ONLY STAINLESS STEEL BODY



CORPO IN ACCIAIO INOSSIDABILE
STAINLESS STEEL BODY

选型

ORDERING CODE

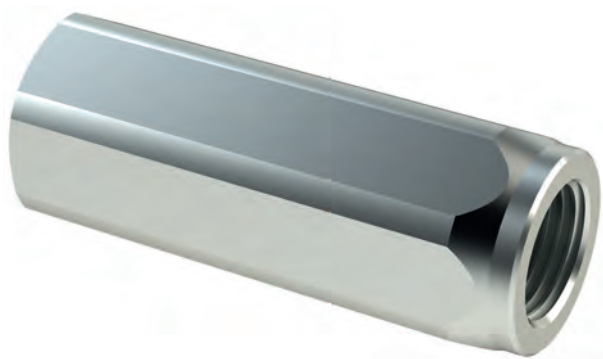
01

02

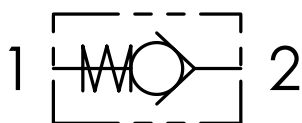
03

04

YVUR



液压符号 HYDRAULIC CIRCUIT



技术参数 TECHNICAL DATA

零件 / COMPONENT 材质 / MATERIAL

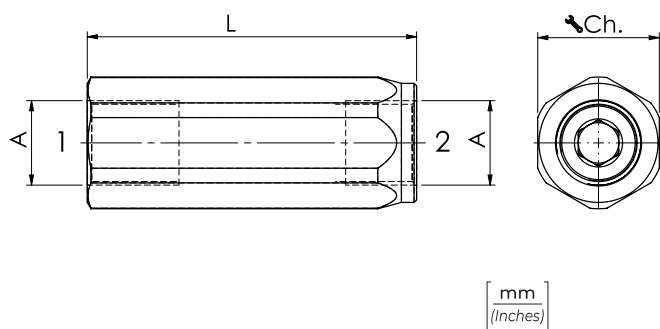
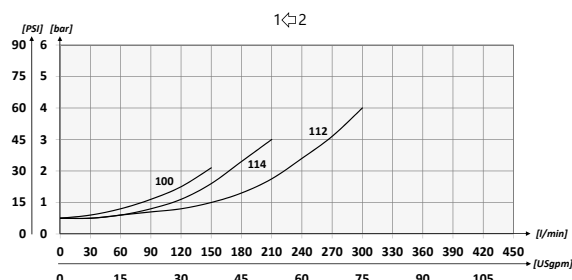
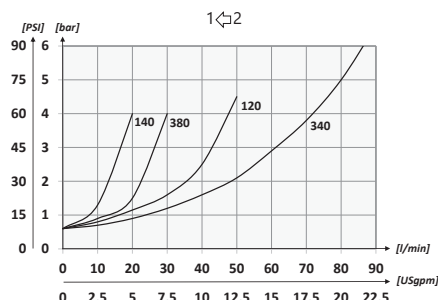
阀体 / Manifold 1.4404 (AISI 316L)

弹簧 / Spring 1.0116 (OTEVA 70)

阀芯 / Poppet 1.5715 (Ng2)

弹簧垫片 / Spring Spacer 1.0737 (AVPb)

性能曲线



技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 (l/min) MAX FLOW (USgpm)	最大压力 (bar) MAX PRESSURE (PSI)	L	Ch.	重量 (kg) APPROX WEIGHT (lbt)
YVUR140	BSPP 1/4	15 (4.0)	400 (5800)	55 (2.17)	19	0,10 (0.22)
YVUR380	BSPP 3/8	30 (7.9)		65 (2.56)	24	0,18 (0.40)
YVUR120	BSPP 1/2	50 (13.2)		75 (2.95)	27	0,23 (0.50)
YVUR340	BSPP 3/4	90 (23.8)		86,5 (3.41)	35	0,45 (1)
YVUR100	BSPP 1	150 (39.6)	50 (5075)	110 (4.33)	41	0,73 (1.6)
YVUR114	BSPP 1-1/4	200 (52.8)		123 (4.84)	55	1,5 (3.3)
YVUR112	BSPP 1-1/2	300 (79.2)		138 (5.43)	60	1,85 (4.07)

XRAS2-BSPP 二通球阀

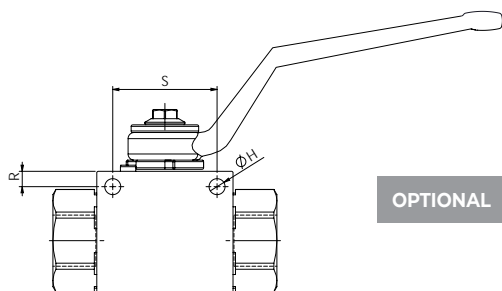
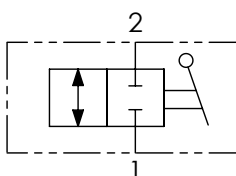
2 WAYS BALL VALVES



ACCIAIO INOSSIDABILE
STAINLESS STEEL



液压符号 HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

03

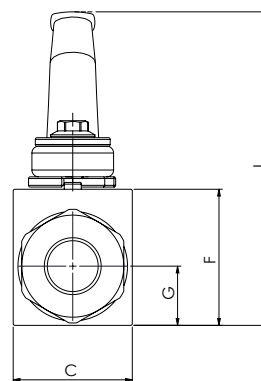
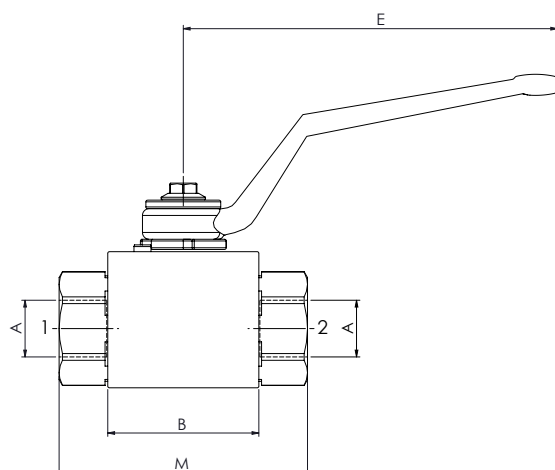
XRAS2

01	二通球阀 (2 WAYS BALL VALVES)		XRAS2
02	规格 DIMENSIONE (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	OPTIONAL	Fori di fissaggio (Fixing ports)	P

技术参数

TECHNICAL DATA

零件	COMPONENT	材质	MATERIAL
阀体	/ Manifold	1.4404 (AISI 316L)	
转换器	/ Adapter	1.4404 (AISI 316L)	
球体	/ Ball	1.4404 (AISI 316L)	
阀端	/ Stern	1.4404 (AISI 316L)	
球座	/ Ball seat	POM	
手柄	/ Handle	1.4301 (AISI 304)	
下垫圈	/ Lower washer	1.4301 (AISI 304)	
上垫圈	/ Upper washer	1.4301 (AISI 304)	
端面密封圈	/ Stern ring	POM	
销轴	/ Spine	1.4301 (AISI 304)	
零件	/ Component	1.4301 (AISI 304)	
转换器O型圈	/ Adapter o-ring	NBR	
端面O型圈	/ Stern o-ring	NBR	
螺丝钉	/ Screw	DIN 6921 A2	



[mm]
[Inches]

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	E	F	G	H	L	M	R	S	重量 APPROX WEIGHT kg-lbt
XRAS2140	BSPP 1/4	25 (6.6)	500 (7250)	42,4 (1.67)	30 (1.18)	110 (4.33)	35 (1.38)	14,5 (0.57)	5,2 (0.20)	91,5 (3.60)	71 (2.80)	4,5 (0.18)	34 (1.34)	0,5 (1.1)
XRAS2380	BSPP 3/8	35 (9.2)		44,4 (1.75)	35 (1.38)		40 (1.57)	17,5 (0.69)		96,5 (3.80)	73 (2.87)			0,7 (1.5)
XRAS2120	BSPP 1/2	60 (15.8)		48,4 (1.91)	37 (1.46)		43 (1.69)	18 (0.71)		99,5 (3.92)	83 (3.27)			0,8 (1.8)
XRAS2340	BSPP 3/4	100 (26.4)	400 (5800)	62,5 (2.46)	45 (1.77)	180 (7.09)	55 (2.17)	23,5 (0.93)	6,2 (0.24)	106,5 (4.19)	95 (3.74)	6 (0.24)	50 (1.97)	1,5 (3.3)
XRAS2100	BSPP 1	150 (39.6)	350 (5075)	66,5 (2.62)	55 (2.17)		65 (2.56)	29,5 (1.16)		116,5 (4.59)	112 (4.41)			2,3 (5)

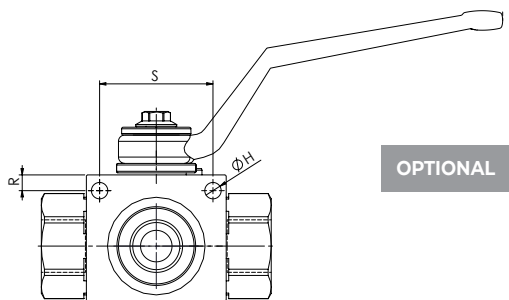
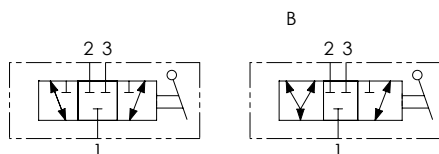
XRAS3-BSPP 三通球阀 3 WAYS BALL VALVES



ACCIAIO INOSSIDABILE
STAINLESS STEEL



液压符号 HYDRAULIC CIRCUIT



选型

ORDERING CODE

01

02

03

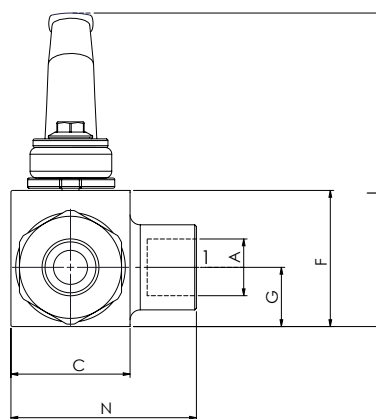
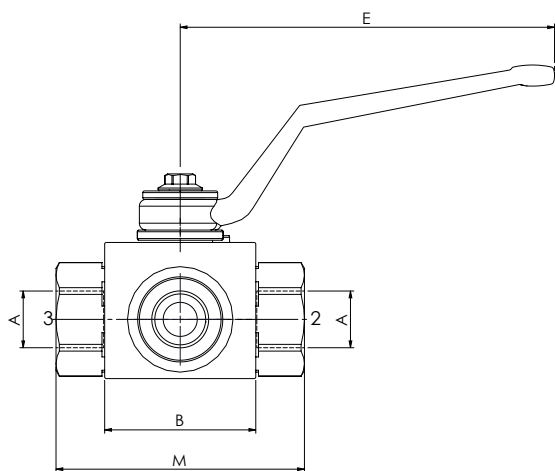
XRAS3

01	三通球阀 (3 WAYS BALL VALVES)	XRAS3
02	规格 (SIZE)	BSPP 1/4
		140
		BSPP 3/8
		380
		BSPP 1/2
		120
		BSPP 3/4
		340
		BSPP 1
		100
03	OPTIONAL	Fori di fissaggio (Fixing ports)
		P

技术参数

TECHNICAL DATA

零件	COMPONENT	材质 MATERIAL
阀体	/ Manifold	1.4404 (AISI 316L)
转换器	/ Adapter	1.4404 (AISI 316L)
球体	/ Ball	1.4404 (AISI 316L)
阀端	/ Stern	1.4404 (AISI 316L)
球座	/ Ball seat	POM
手柄	/ Handle	1.4301 (AISI 304)
下垫圈	/ Lower washer	1.4301 (AISI 304)
上垫圈	/ Upper washer	1.4301 (AISI 304)
端面密封圈	/ Stern ring	POM
销轴	/ Spine	1.4301 (AISI 304)
零件	/ Component	1.4301 (AISI 304)
转换器O型圈	/ Adapter o-ring	NBR
端面O型圈	/ Stern o-ring	NBR
螺丝钉	/ Screw	DIN 6921 A2



[mm
(Inches)]

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大流量 MAX FLOW l/min-USgpm	最大压力 MAX PRESSURE bar-PSI	B	C	E	F	G	H	L	M	N	R	S	重量 APPROX WEIGHT kg-lbt
XRAS3140	BSPP 1/4	25 (6.6)	400 (5800)	42,4 (1.67)	30 (1.18)		35 (1.38)	14,5 (0.57)		91,5 (3.60)	71 (2.80)	48,5 (1.91)	4,5 (0.18)	34 (1.34)	0,6 (1.3)
XRAS3380	BSPP 3/8	35 (9.2)		44,4 (1.75)	35 (1.38)	110 (4.33)	40 (1.57)	17,5 (0.69)	5,2 (0.20)	96,5 (3.80)	73 (2.87)	54,5 (2.15)	5 (0.20)	36 (1.42)	0,7 (1.5)
XRAS3120	BSPP 1/2	60 (15.8)	350 (5075)	48,4 (1.91)	37 (1.46)		43 (1.69)	18 (0.71)		99,5 (3.92)	83 (3.27)	58,5 (2.30)			0,8 (1.8)
XRAS3340	BSPP 3/4	100 (26.4)		62,5 (2.46)	45 (1.77)	180 (7.09)	55 (2.16)	23,5 (0.93)	6,2 (0.24)	106,5 (4.19)	95 (3.74)	75 (2.95)	6 (0.24)	50 (1.97)	1,6 (3.5)
XRAS3100	BSPP 1	150 (89.6)		66,5 (2.62)	55 (2.17)		65 (2.56)	29,5 (1.16)		116,5 (4.59)	112 (4.41)	87,5 (3.44)			2,4 (5.3)

直线压力表开关

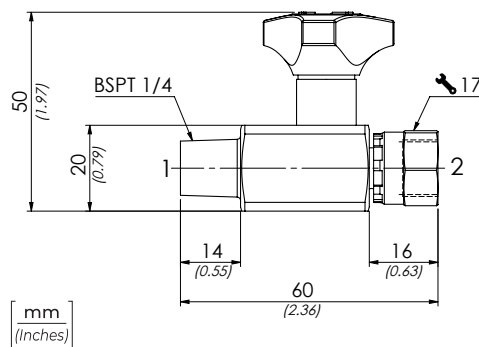
PRESSURE GAUGE IN-LINE SHUT-OFF VALVES



选型

ORDERING CODE

XSOV1400



90 ° 压力表开关

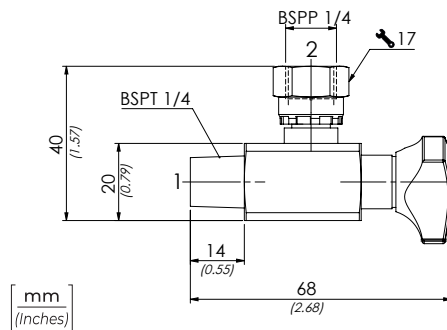
PRESSURE GAUGE 90° SHUT-OFF VALVES



选型

ORDERING CODE

XSOV1490

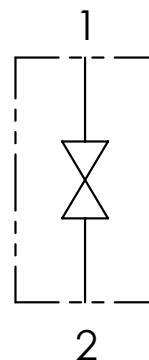


技术参数 TECHNICAL DATA

零件	COMPONENT	材质	MATERIAL
阀体	/ Manifold	1.4404 (AISI 316L)	
转换器	/ Adapter	1.4404 (AISI 316L)	
阀端	/ Stern	1.4404 (AISI 316L)	
旋钮	/ Handknob	Plastica / Plastic	
O型圈	/ O-rings	Viton (FKM)	

液压符号

HYDRAULIC CIRCUIT



XMNP-BSPP 测压接头

TEST COUPLINGS FOR PRESSURE CHECKING



ACCIAIO INOSSIDABILE
STAINLESS STEEL



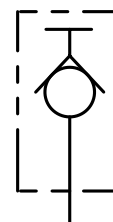
选型	01	02
ORDERING CODE	XMNP	

01	测压接头 (TEST COUPLINGS FOR PRESSURE CHECKING)		XMNP
02	规格 (SIZE)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120

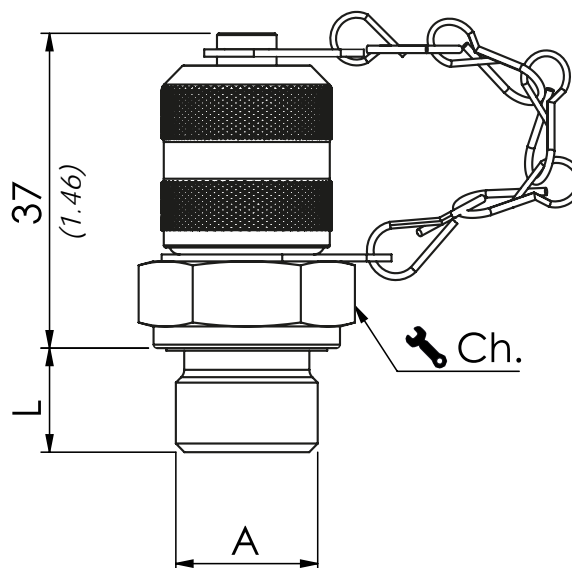
技术参数 TECHNICAL DATA

零件	/ COMPONENT	材质	/ MATERIAL
阀体	/ Manifold	1.4404 (AISI 316L)	
阀帽 di protezione	/ Safety cap	1.4404 (AISI 316L)	
O型圈	/ O-rings	Viton (FKM)	

液压符号 HYDRAULIC CIRCUIT



测压接头 TEST COUPLINGS M16X2



[mm
(Inches)]

技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	A	最大压力 MAX PRESSURE bar-PSI	Ch. mm	L	锁紧扭矩 TIGHTENING TORQUE Nm-lbt ft	重量 APPROX WEIGHT kg-lbt
XMNP180	BSPP 1/8	630 (9135)	17	8 (0.31)	20 (14.6)	0,07 (0.16)
XMNP140	BSPP 1/4		19	12 (0.47)	30 (22)	0,08 (0.18)
XMNP380	BSPP 3/8		22	12 (0.47)	60 (44)	0,10 (0.22)
XMNP120	BSPP 1/2		27	14 (0.55)	80 (58.6)	0,13 (0.29)

XPMS 双作用手动泵

DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER



ACCIAIO INOSSIDABILE
STAINLESS STEEL

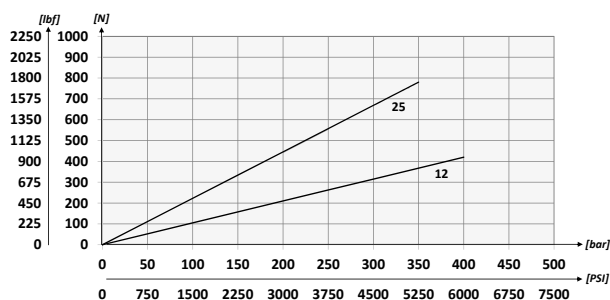


泵带23英寸（600mm）摇杆

THE PUMP IS SUPPLIED WITH ACTING LEVER 23.6 IN LONG

压力--手柄作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数 TECHNICAL DATA

零件	COMPONENT	材质	MATERIAL
泵体	/ Manifold	1.4404 (AISI 316L)	
摇杆	/ Rod	1.4542 (AISI 630) + Niploy	
其他部件	Other components	1.4404 (AISI 316L)	
O型圈	/ O-rings	NBR	

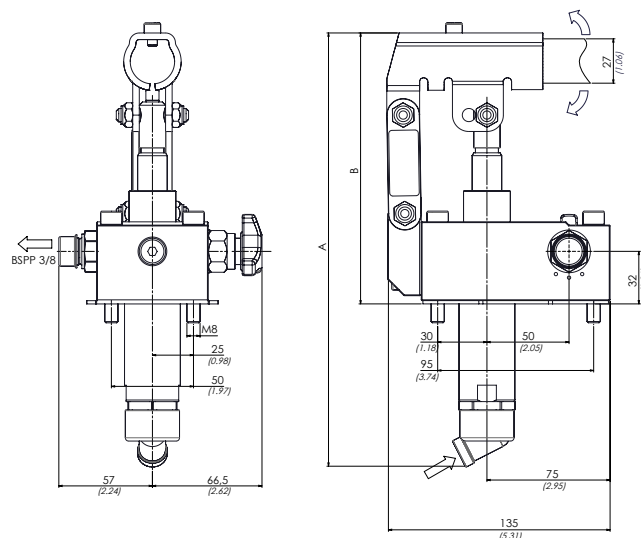
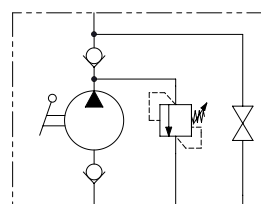
技术参数

TECHNICAL CHARACTERISTICS

型号 TYPE	额定压力 OPTIMAL PRESSURE bar-PSI	最大压力 MAX PRESSURE bar-PSI	重量 APPROX WEIGHT kg-lbt
XPMS12	220 (3190)	380 (5510)	3,7 (8.15)
XPMS25	120 (1740)	350 (5075)	

选型	01	02	03		
ORDERING CODE	XPMS		LRV		
01	双作用手动泵 (DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)			XPMS	
02	排量 (DISPLACEMENT)	A	B	C	
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
03	带卸荷阀与溢流阀 (With unloading valve and relief valves)			LRV	

液压符号 HYDRAULIC CIRCUIT



[mm
(Inches)]

XPMI 双作用手动泵-O型机能

DOUBLE PUMPING HAND PUMP FOR DOUBLE ACTING CYLINDER - CLOSED CENTER



ACCIAIO INOSSIDABILE
STAINLESS STEEL

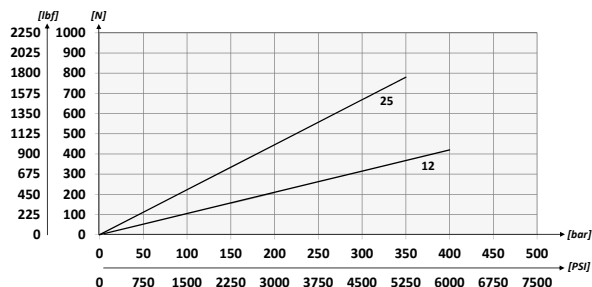


泵带填料密封, 定位螺栓和23英寸 (600mm) 摇杆

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

压力--手柄作用力

EFFORT OPERATING AT THE END OF THE LEVER



技术参数 TECHNICAL DATA

零件 COMPONENT	材质 MATERIAL
泵体 / Manifold	1.4404 (AISI 316L)
摇杆 / Rod	1.4542 (AISI 630) + Niploy
其他部件 Other components	1.4404 (AISI 316L)
O型圈 / O-rings	NBR

选型

ORDERING CODE

01

02

03

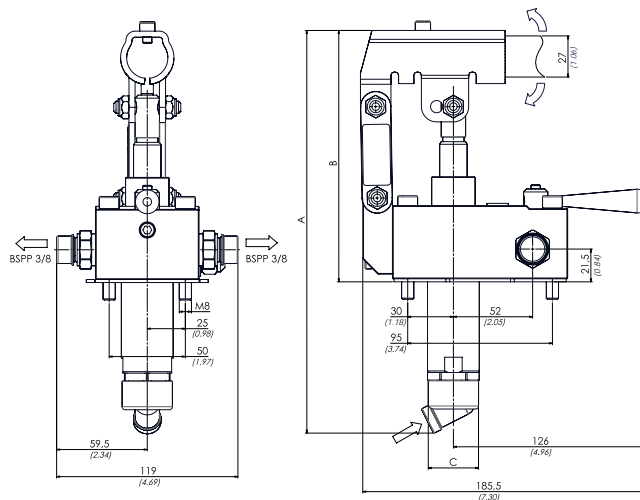
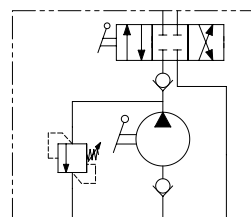
XPMI

RV

01	双作用手动泵 (DOUBLE PUMPING HAND PUMP FOR DOUBLE ACTING CYLINDER - CLOSED CENTER)				XPMI
02	排量 (DISPLACEMENT)	A	B	C	
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
03	带卸荷阀 (With relief valves)				RV

液压符号

HYDRAULIC CIRCUIT



mm
Inches

技术参数

TECHNICAL CHARACTERISTICS

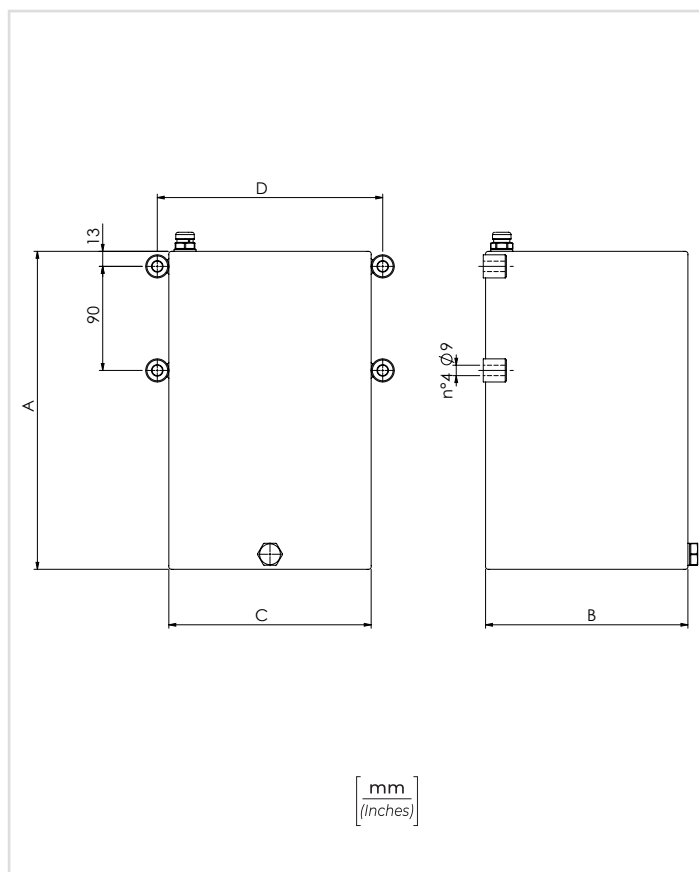
型号 TYPE	额定压力 OPTIMAL PRESSURE (PSI)	最大压力 MAX PRESSURE (PSI)	重量 (kg) APPROX WEIGHT (lbt)
XPMI12	220 (3190)	380 (5510)	4,20 (9.25)
XPMI25	120 (1740)	350 (5075)	

ACCIAIO INOSSIDABILE
STAINLESS STEEL



316不锈钢油箱，含排气嘴

STEEL RESERVOIR INOX 316, THE RESERVOIR
IS INCLUDING THE AIR BLEEDING PLUG



选型

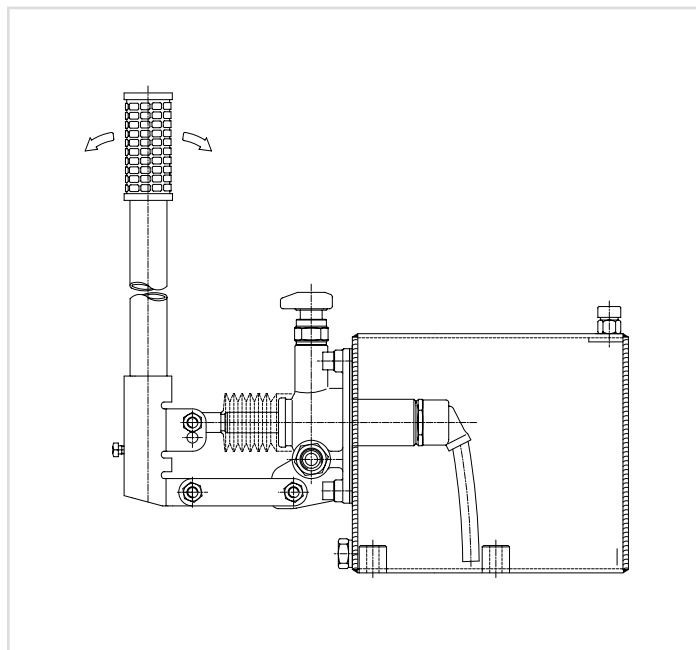
ORDERING CODE

01

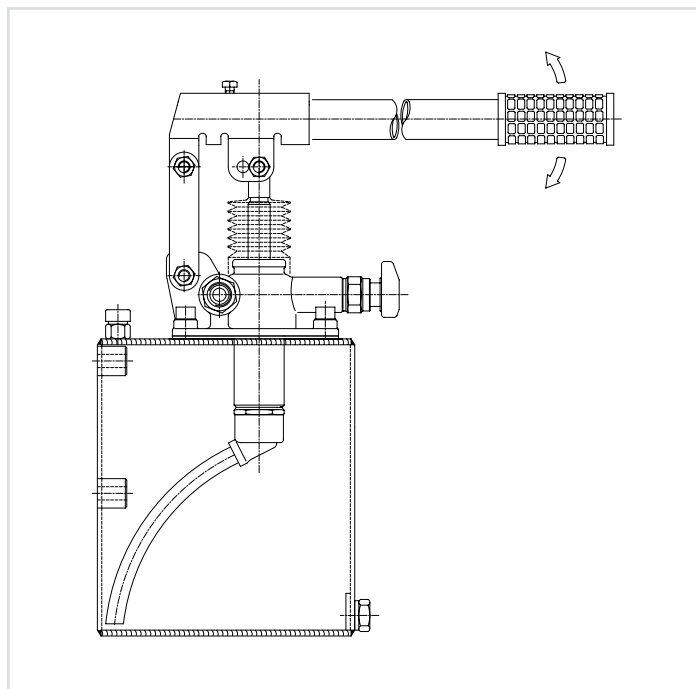
技术参数 TECHNICAL DATA

零件	COMPONENT	材质	MATERIAL
箱体 / Manifold		1.4404 (AISI 316L)	

水平安装 HORIZONTAL MOUNTING



竖直安装 VERTICAL MOUNTING



技术参数

TECHNICAL CHARACTERISTICS

01	型号 TYPE	容积 CAPACITY	A	B	C	D	重量 APPROX WEIGHT kg-lbt
	XTNK1	1 Lt. - 61 in. ³	120 (4.72)	150 (5.91)	100 (3.94)	120 (4.72)	2,2 (5)
	XTNK3	3 Lt. - 183 in. ³	255 (10.04)				3,5 (7,71)
	XTNK5	5 Lt. - 305 in. ³	200 (7.87)	175 (6.89)		195 (7.68)	5 (10.9)

上海华歌实业有限公司代理的其他品牌及产品简介

螺杆泵

Seim 三螺杆泵 双螺杆泵 流量计 安全阀



- SEIM公司位于意大利米兰，有35年以上的螺杆泵生产历史，是世界上最主要的螺杆泵生产商，每年生产50000台以上。
- 广泛应用于：电力工业，石油化工，造纸，钢铁，润滑，液压系统等，同时根据用户要求可以提供符合API676和各种船舶证书标准的螺杆泵，产品100%出厂检测。

一般工业应用：

型号	输出流量 (L/min)	输出压力 (bar)	介质粘度 (cst)	吸入压力 (bar)	内置安全阀	推荐行业	泵体材料	安装形式	外观
YPQJ 泵	3 ~ 38	~ 10	10 ~ 400	-0.2 ~ +1.0	默认带阀，可 按要求不带	润滑、动力、循环	铝合金	水平/竖直 安装	
YPDA 泵	21 ~ 160	~ 10	20 ~ 400 ④	-0.4 ~ +2.0	带阀	润滑、循环	铝合金	水平/竖直 安装	
YPDK 泵	80 ~ 460	~ 16	20 ~ 400 ④	-0.4 ~ +2.0	带阀	润滑、循环	铝合金	水平/竖直 安装	
HPA 泵	10 ~ 850	~ 50(最高75)	10 ~ 400 ④	①	不带阀	润滑、动力、循环	铝合金	只能浸油安装	
YPA 泵	10 ~ 850	~ 50 (最高 75)	10 ~ 400	①	不带阀	润滑、动力、循环	铝合金	只能浸油安装	
YPXF 泵	27 ~ 4000	~ 30 (最高 40bar) ②	10 ~ 400 ④	-0.5 ~ +10.0	默认不带阀， 可按要求带	润滑、动力、循环、 燃油输送	铸铁/可提 供铸钢	水平/竖直 安装和 PTO 联接	
YPZ 泵	50 ~ 5400	~ 16	10 ~ 400 ④	-0.5 ~ +10.0	默认带阀，可 按要求不带	润滑、动力、循环、 燃油输送	铸铁	水平/竖直 安装和 PTO 联接	
YPWKS YPZKS 泵	5~9000	~ 150	1~32	0~10	按要求 提供安全阀	煤油、 燃油输送 航空液压油	铝合金 铸铁	水平/竖直 安装	
YPOF/ YPWOP 泵	20 ~ 1500	~ 120	10 ~ 400	-0.5 ~ +10.0	不带阀	动力、燃油 输送	铝合金泵体 +铸铁法兰	水平/竖直 安装	
YVPMI/YVV P 安全阀	20 ~ 10000	2 ~ 320	10 ~ 500			润滑、动力、循环、 燃油输送	铸铁	法兰/管式 安装	
YMPVB 流量 计	0.9 ~ 900	~ 400	1 ~ 5000			润滑、动力、循环、 燃油输送	碳钢	管式安装	
YPB/ YPWO 泵	0~1500	~ 150	1~32	0~10	按要求 提供安全阀	机床乳化液、 冷却油等	铸铁	水平/竖直 安装	

备注：

1. 更详细的产品参数请查阅产品样本。对于超出图表样本的数据，可联系上海华歌实业有限公司销售部。
2. SEIM公司能按客户要求提供超出产品样本数据的螺杆泵，如有需要请联系上海华歌实业有限公司销售部。
3. 标记①只能浸油安装；标记②YPXF032~YPXF072最高压力30bar，特殊要求可到40bar，YPXF083~YPXF156压力可到16bar。标记③使用介质粘度为(10~5000) cSt时，输出压力~8bar。标记④按要求可适用粘度(1.2~5000) cSt。
4. YVPMI 适应介质粘度 < 400cst, 对于≥400cst介质，请选择用YVMP阀

上海华歌实业有限公司代理的其他品牌及产品简介 螺杆泵



Seim 三螺杆泵 双螺杆泵 流量计 安全阀

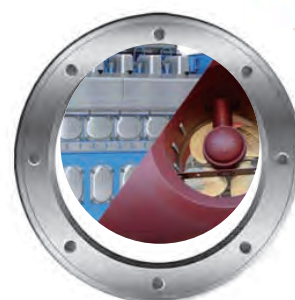
SEIM 在船舶行业的应用



货油、运输



动力室：增压、分离



润滑：引擎、推进器和齿轮箱



PZ



2SP



PHS



PZ



PHS



PHS



PZ



锅炉/焚烧炉



液压系统



带载，不带载和扫仓



PO/PWO



POF/PWOF



2SP/2SP-LS

机床行业的应用

中心主轴高压出水冷却 高压断屑 深孔冷却 高压磨削



内摆线齿轮油泵



YEAVEN 内摆线齿轮油泵，产地韩国，主要应用于润滑行业，油循环，燃料输送等性能表

型号	排量 cc/rev	使用压力 bar	转速范围 rpm	重量 kg	标准配置电机 kw
YGP-R11S(V)	1.6	5	2000	0.3(0.5)	0.1-0.2
YGP-R12S(V)	2.5	5	2000	0.3(0.5)	0.1-0.2
YGP-R13S(V)	4.5	5	2000	0.8(1.0)	0.2
YGP-R204(V)	4.2	30	3000	3.2(3.6)	0.4-0.75-1.5
YGP-R206(V)	6.0	30	3000	3.2(3.6)	0.4-0.75-1.5
YGP-R208(V)	8.4	30	2500	3.3(3.7)	0.4-0.75-1.5
YGP-R210(V)	10.2	30	2500	3.4(3.8)	0.4-0.75-1.5
YGP-R212(V)	12	30	2000	3.6(4.0)	0.4-0.75-1.5
YGP-R216(V)	16.2	30	1800	3.8(4.2)	0.75-1.5
YGP-R220(V)	19.8	30	1800	4.1(4.5)	0.75-1.5
YGP-R320(F)(V)	26	30	1800	15.4	1.5-2.2
YGP-R330(F)(V)	39	30	1800	15.5	1.5-2.2
YGP-R340(F)(V)	52	30	1800	15.5	1.5-2.2
YGP-R420(V)	90	5	1800	44	2.2-3.7
YGP-R440(V)	108	3	1200	45	2.2-3.7

介质粘度:20-1000cst ,
适用介质温度: NBR(标准): 80℃； KFM(可选项): 180℃
备注: R2**/R3**系列泵匹配压力阀压力选择范围: 1(0-4bar) ; 2(4-8bar) ; 3(6-15bar) ; 4(12-30bar)

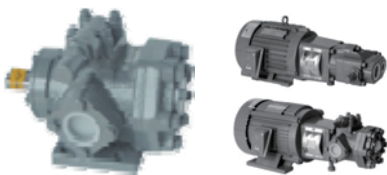
R2 系列泵可以提供双联泵



R11-R12-R13 及匹配电机图



R 204—R220 及匹配电机图



R320-R340及匹配电机图



R420-R440



R204—R220 双泵及匹配电机图

RONZIO 公司简介

意大利RONZIO公司建立于二十世纪50年代，是意大利比较早期的齿轮泵，齿轮马达和齿轮分流器专业厂家。公司在齿轮泵，齿轮马达和齿轮分流器方面有独到的技术，产品性能参数可以达到：峰值压力360bar，额定连续使用压力300bar，最低转速200rpm。这样令人惊叹的成绩使之成为目前世界上性能最好的产品之一。

齿轮泵和齿轮马达 Z0.5系列



Z0.5 型号	0.35	0.5	0.6	0.8	1.0	1.2	1.5	1.8
排量(ml/rev)	0.33	0.49	0.66	0.82	0.99	1.2	1.53	1.97
P1最大工作压力(bar)	250	250	250	225	200	180	150	120
P1下最大转速 rpm	10000	9000	8000	7000	6500	6000	5500	5000
后盖油口型P1最大转速 rpm	10000	9000	7700	6000	5200	4200	3300	2500
最大空载转速 rpm	4000	4000	4000	3500	3500	3000	2700	2400
P1 下最低转速 rpm	400	400	400	350	350	300	300	250

齿轮泵和齿轮马达 Z1系列



铝合金 铸铁泵体和法兰	08	11	16	21	26	32	37	42	48	55	62	78	88	105
排量 ml/rev	0.80	1.08	1.59	2.09	2.59	3.15	3.68	4.19	4.79	5.49	6.2	7.81	8.82	10.5
P1最大工作压力 bar	300	300	300	300	280	280	260	250	250	230	220	190	160	140
P3 峰值压力 bar	350	350	350	350	350	310	290	270	270	260	250	210	190	180
P1最大转速 rpm	8000	8000	8000	7000	5500	4500	4500	4000	3600	3600	3500	3000	3000	3000
空载最大转速 rpm	8000	8000	8000	8000	8000	7000	6000	5500	5000	4500	4500	4000	4000	4000
P1最低转速 rpm	1100	1100	1000	900	800	700	600	500	400	400	400	400	400	400

齿轮泵和齿轮马达 Z2系列



型 号	04	06	08	11	14	17	20	25	31
排量 ml/rev	4.4	6.28	8.16	11.3	14.45	16.95	20.1	25.75	31.4
P1最大工作压力 bar	300	300	300	300	300	270	230	180	160
P3峰值压力 bar	360	360	360	360	360	330	290	230	200
P1下最大转速 rpm	4500	4500	3700	3300	2700	2500	2500	2500	2200
最大空载转速 rpm	5500	5500	4700	4000	3300	3000	3000	3000	2700
P1下最低转速 rpm	1000	700	550	450	400	350	300	250	200

齿轮泵和齿轮马达 Z3系列



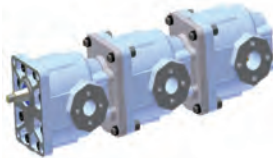
型号	20	25	30	35	40	45	50	55	60	64	70	80	90
排量 ml/rcv	19.9	24.9	29.9	34.3	40.5	45.2	49.9	54.5	60	63.9	70	78.7	89.6
1500转时流量 l/min	29.9	37.4	44.9	51.5	60.8	67.8	74.9	81.8	90	95.9	105	118	134.4
P1最大工作压力 bar	280	280	280	280	250	250	230	230	200	200	170	170	160
P2峰值压力 bar	310	310	310	310	280	280	250	250	220	220	190	190	180
P1下最低转速 rpm	450	450	350	350	350	350	350	350	350	350	350	350	350
最大空载转速	3000	3000	3000	3000	2700	2700	2200	2200	2000	2000	1800	1800	1800
100bar压力下电机扭 Nm	26.93	33.7	40.47	46.43	54.82	61.18	67.54	73.77	81.21	86.49	94.75	106	121.2
净重 Kg	10.6	10.8	11	11.2	11.4	11.5	11.7	11.9	12	12.2	12.4	12.7	13.1

全铸铁齿轮泵和齿轮马达 W2系列



W2 系列	04	06	08	11	15	20	25	40
排量 ml/rev	4.58	6.35	8.45	11.3	15.5	20.5	26.1	38.8
P1 最大工作压 bar	300	300	300	300	260	230	200	140
P3 峰值压力 bar	350	350	350	350	320	270	240	175
P1下最大转速 rpm	3500	3500	3500	3000	3000	2500	2300	2000
最大空载转速 rpm	4000	4000	4000	3500	3500	3000	2700	2400
P1下最低转速 rpm	400	400	400	350	350	300	300	250

全铸铁齿轮泵和齿轮马达 W3系列



W3 系列	15	20	25	30	35	40	45	50	55	60	64	70	80	90
排量 cc/rev	15.6	19.9	24.9	29.9	34.3	40.5	45.2	49.9	54.5	60	63.9	70	78.7	89.6
P1 最大工作压 bar	300	300	300	280	280	250	250	230	230	200	200	170	170	160
P3 峰值压力 bar	350	350	350	330	330	300	300	270	270	240	240	210	210	200
P1 下最大转速 rpm	3000	3000	3000	2500	2500	2200	2200	2000	2000	2000	2000	1800	1800	1800
最大空载转速 rpm	3500	3500	3500	3000	3000	2800	2800	2500	2500	2500	2500	2200	2200	2200
P1下最小转速 rpm	450	450	450	350	350	350	350	300	300	250	250	200	200	200

全铸铁齿轮泵和齿轮马达 W4系列



W4 系列	75	90	110	130	150
排量 cc/rev	72.1	88.7	105.4	127.5	149.7
P1 最大工作压 bar	250	250	210	210	170
P3 峰值压力 bar	300	300	250	250	210
P1下最大转速 rpm	2200	1800	1800	1500	1500
最大空载转速 rpm	2800	2300	2300	2000	2000
P1下最低转速 rpm	300	300	250	250	250

全铸铁齿轮泵和齿轮马达 PN&PD系列



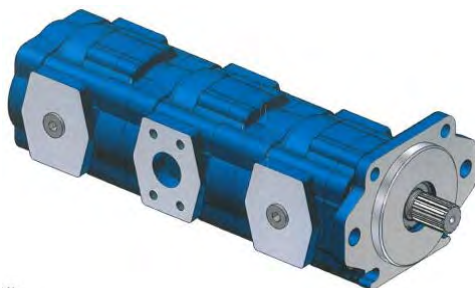
PN Balanced型号	40	60	86	111
排量 cc/rev	38.4	60	85.8	104.8
P2 最大工作压力 bar	180	170	150	150
P3 峰值压力 bar	210	200	180	180
P2下最大转速 rpm	350	350	350	350
最大空载转速 rpm	1800	1800	1600	1500
P2 下最小转速 rpm	2100	2100	1900	1800



PD 型号	40	60
排量 cc/rev	38.4	60
P2 最大工作压力 bar	180	170
P3 峰值压力 bar	210	200
P2下最小转速 rpm	350	350
最大空载转速 rpm	2100	2100
P2下最大转 rpm	1800	1800

更大排量齿轮泵，齿轮马达，双联，三联，特殊要求齿轮泵，齿轮马达（双速齿轮马达）。
请联系我们销售部

WL全铸铁齿轮泵和齿轮马达



多联铸铁齿轮泵，一个进口，多个出口。

性能请见W3系列或咨询我司技术部。

高压斜齿轮泵/马达和直齿轮泵

AP系列 超高压铸铁体外啮合齿轮泵和齿轮马达,连续工作压力达到410bar, 峰值压力 500bar
目前供货的规格如下，根据市场情况，可以开发列表以外的其它规格

AP 系列	20	25	30	35	40	45	50	55	60	64	70	75	90	110	130	150	200
排量 ml/rev	20.6	25.1	30.5	35.1	40.4	45	49.6	54.9	60.3	64.8	70.2	75.1	89.6	109.8	130	150.2	199.4
P1 下最大工作 压力 bar	410	410	410	410	410	410	410	380	350	325	300	360	360	320	280	240	180
P2 下间歇压力 bar	470	470	470	470	470	470	470	440	400	370	340	420	420	370	320	280	220
P1 下最大转速 rpm	2800	2300	2200	1900	1700	1700	1550	1500	1500	1500	1500	2500	2500	2100	2100	1900	1900

EVO系列低噪音斜齿齿轮泵和马达

EVO 系 列	EVO1				EVO2					EVO3						
	55	82	105	128	11	14	17	20	25	30	40	50	60	64	75	90
排量 ml/rev	5.5	8.3	10.4	12.8	11.5	14.7	17.3	20.5	25.7	30.4	41.4	51	61.4	65.4	75	89.2
P1 下最大工 作压力 bar	240	170	140	120	300	300	270	230	180	280	250	230	200	200	170	170
P2 下间歇压 力 bar	250	180	150	140	310	310	300	250	200	300	270	250	220	220	190	190
P3 下最大峰 值压力 bar	270	200	170	160	360	360	330	290	230	330	300	270	240	240	210	210
P1 下最大转 速 rpm	3400	3200	3000	2600	3300	2700	2500	2500	2500	2200	1700	1550	1500	1500	1500	1500
P1 下最小转 速 rpm	300	200	150	150	400	350	300	250	200	200	200	150	150	150	150	150



超高压齿轮泵



低噪音斜齿轮泵

铝合金体和铸铁体齿轮流量同步分流马达

铝合金体同步精度为 1.5%–2.5%，铸铁体同步精度为 2.5%–3.5%

意大利: **RONZIO**

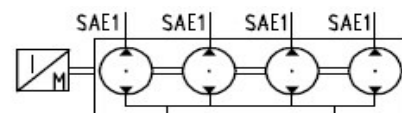
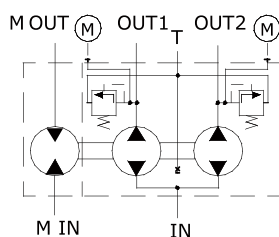
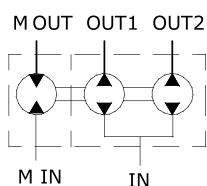


铸铁体分流器，介质是水乙二醇等低粘度介质时，工作压力可到 160bar，这是其他品牌难以做到的。

型 号	每片排量 (cc/rev)	每片最小流量 (l/min)	每片最大流量(l/min)	高噪声下 每片峰值 流量(l/min)	额定 压力 (bar)	峰值 压力 (bar)	片间峰值 压差 (bar)
铝合金体							
**FDRA05-...-17	0.17	0.2	1.0	1.5	210	230	200
**FDRA05-...-33	0.33	0.4	2	2.5	250	270	200
FDRA05-...-05	0.49	0.6	2.5	3.2	250	270	200
FDRA05-...-10	0.99	0.9	3.7	4	210	250	200
FDRA05-...-15	1.53	1.5	4.2	4.5	180	230	200
FDRA05-...-20	1.97	2	4.8	5.5	150	170	200
FDRA1-...-37	3.68	1.5	9	11	220	250	200
FDRA1-...-42	4.2	1.6	9	10	220	250	200
FDRA1-...-48	4.79	2	12	14	220	230	200
**FDRA1-...-55	5.5	2.2	12	14	200	230	200
FDRA1-...-62	6.2	3	16	17.5	160	200	180
FDRA2-...-06	6.28	3.5	16	18	280	300	200
FDRA2-...-08	8.16	3.5	19	20	280	300	200
FDRA2-...-11	11.3	5.5	25	27	280	300	200
FDRA2-...-14	14.45	6.0	32	39	260	290	200
FDRA2-...-17	16.95	8.5	34	37	260	290	200
FDRA2-...-25	25.75	12	48	53	220	260	150
FDRA2-...-31	31.4	14	60	65	190	220	150
铸铁体							
FDRC2-...08	8.16	4.8	20	22	280	300	200
FDRC2-...15	15.4	4.8	38	36	260	280	190
FDRC2-...25	26.4	12	48	53	200	220	150
FDRC3-...25	24.9	12	66	70	270	290	200
FDRC3-...35	34.3	18	74	83	270	290	200
FDRC3-...55	54.5	24	108	108	250	270	200
FDRC3-...80	78.7	50	135	142	230	250	200
FDRC4-...110	105.4	60	160	200	260	280	200
FDRC4-...150	149.7	80	200	250	210	240	200
FDRC4-...250	250	160	330	400	190	220	200

特别提示:

- 一. Ronzio公司可以提供差分同步分流马达：差分比是同系列马达之间排量比值,例如:
FDRA01037 2NV+ 01062 2NV (差分比大约为: 1: 1.70)
- 二. Ronzio公司可以提供: 同步分流马达 + 齿轮马达类产品，但同步分流马达与齿轮马达需要是同一系列产品。
见液压原理图：



示例: FDRA010374WVR+01xxM (xx可以是: 3.7; 4.2; 4.8; 5.5; 6.2 ml/rev)

*在选择这些规格前，请咨询上海华歌实业有限公司

变量叶片泵（常规产品现货）



从 1963 年开始，意大利 berarma 公司以其专业，卓越的泵性能，不断更新着人们对变量叶片泵的新认识，同时成为世界上最杰出的变量叶片泵引领者。

依据 berarma 公司最新的研究成果，已经将变量叶片泵的额定工作压力提高到 250bar，完全可以替代变量柱塞泵的很多应用。

Berarma 变量叶片泵以其低噪音，高容积效率，模块化,节能，长寿命,高可靠性，多种变量控制形式服务于世界各地的客户，同时也是世界许多液压大品牌的贴牌供应商。

PLP 系列

产品型号	16	20	25	32	40	50	63	80	100	120
排量 cc/rev	17.9	22.5	28	33.4	43	51	63	80	100	123
最 小 排 量 cc/rev	3.10	9.50	15.00	19.00	27.50	35.50	43.50	60.00	73.00	85.00
额 定 工 作 压力 bar	120	100						90		
峰值压力	160	130								

PHP 系列 PHPK 恒功率系列

产品型号	16	20	25	32	40	50	63	80	100	120
排量 cc/rev	17.9	22.5	28	33.4	43	51	63	80	100	123
最小排量 cc/rev	3.10	9.50	15.00	19.00	27.50	35.50	43.50	60.00	73.00	85.00
额定工作压力 bar	250									210
峰值压力	325									275



PLP



PHP



双联泵

水压柱塞泵/水压柱塞马达(定量-变量)



以水作为介质代表着流体动力系统绿色环保概念未来理想的发展方向。英国 waterhydraulics 公司是世界上最早开发全系列水压流体动力元件的公司，已经有 30 多年的生产经验，目前可以提供水压泵，水压马达，常规水压阀，水压比例阀，水压附件等全系列的水压介质用元件。

广泛应用于：实验设备，冶金设备，消防设备，海水淡化设备，船舶海洋设备，煤矿设备，食品医药设备，太阳能设备等。

海水反渗透 装置 反渗透节能装置（R0）

泵/马达排量： 0.8 – 625 cc/rev 工作压力：160bar ,其他压力等级在不断开发中。

阀：换向阀，压力控制阀，流量控制阀，比例阀 等 ， 并能够根据市场要求新设计生产

介质：自来水，海水，使用其他介质请咨询

泵体材料：淡水-316 不锈钢， 海水-Duplex 双相不锈钢

详细资料请咨询 waterhydraulics 中国区代理商，上海华歌实业有限公司

型号	排量 cc/rev（调节范围）	工作压力 bar	转速范围 rpm
水压柱塞泵	0.8 – 625	160	2000
水压柱塞马达	3.3 – 625	160	2000



水压泵-水压马达



变量水压泵



电力发生器



泵+马达组



比例阀



常规阀



水压动力站



反渗透节能回收装置



高压泵+能量回收装置

螺旋式液压摆动缸/液压阀门执行器



螺旋式液压摆动缸（马达）

MOVECO 公司1988 年成立于意大利工业中心米兰，经过20 多年的发展，目前公司已成为螺旋式摆动油缸的世界主要供应商之一，产品覆盖全球各个地区，不同领域，如：高空平台类机械、路面机械、矿山隧道类机械、环卫机械、建筑机械、加工中心、农林机械、海事工业、阀门控制以及其它需要一定角度旋转的机械中。

MOVECO 液压摆动缸（执行器）设计和制造的概念很简单：把活塞直线运动转换为旋转轴转动输出，活塞外表面带有一组螺旋齿与缸体内表面的螺旋齿匹配，加工在活塞内表面的螺旋齿与输出轴上的螺旋齿啮合。



ARC/ARP/ARM/ARR 系列摆动缸



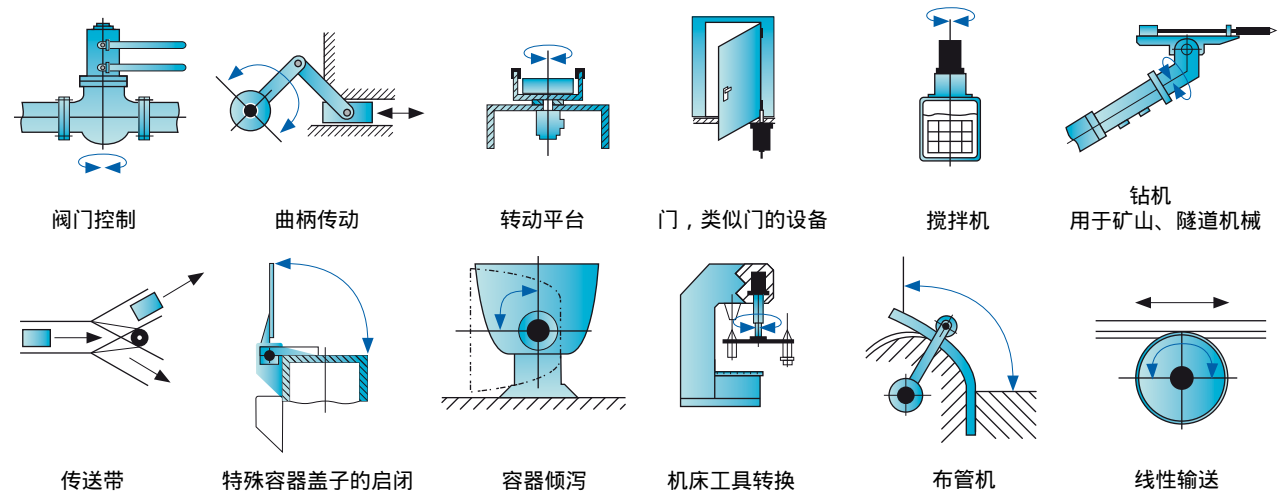
- 最大扭矩120,000Nm，标准摆角90° /180° /270° /360° ，可定制特殊摆角.
- 最大工作压力250bar，可承受最大200,000N的轴向负载.

ARL/ARS 液动阀门执行器



- 应用：球阀和蝶阀的自动液控装置
- 技术范围：最小工作压力30bar，最大工作压力210bar
- 摆角：90 ± 1°
- 工作温度：-20~80℃
- 执行：双作用，单作用
- 连接标准：ISO 5211

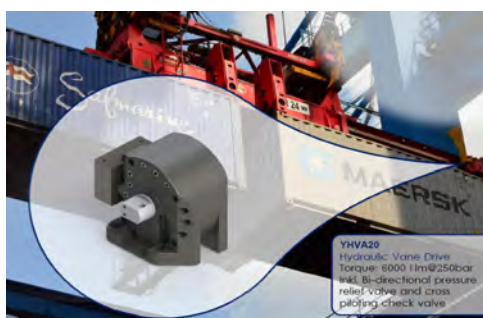
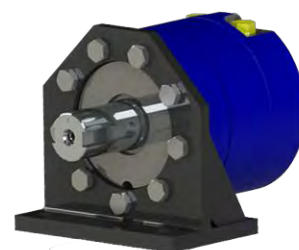
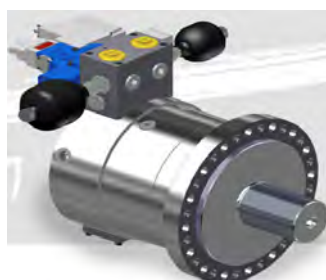
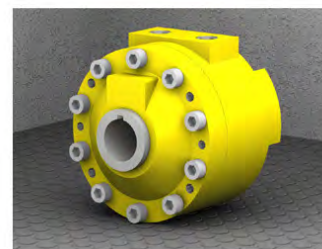
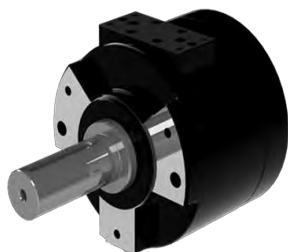
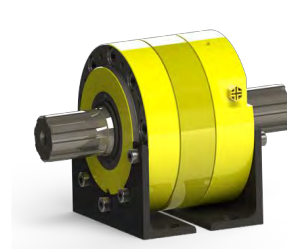
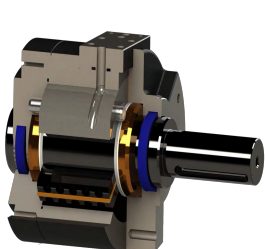
应用示意图



叶片摆动缸/高频叶片摆动缸

YEAVEN-AHE是德国叶片摆动缸和叶片摆动缸的专业生产商之一，有单叶片摆动缸和双叶片摆动缸。
 供货扭矩范围：20 - 1000000Nm @300bar (双叶片150bar), 摆动角度范围：单叶片结构的0-270 °
 (max 320 °)，双叶片结构的0-90 ° (max 120 °)，摆动角速度max 1200 ° /s，摆动频率> 100Hz.

广泛应用于：测试疲劳试验机，船舶设备，港口集装箱吊机，阀门旋转执行器，机床平台转换，
 (弯管机，吹塑机，包装机等) 往复摆动机构，机械设备的翻盖机构等等。



压力传感器

德国TIVAL 开关/传感器



普通型压力传感器



高压型压力传感器



防爆型压力传感器



TST-M压力传感器

*传感器压力范围(含防爆型): 0~4000bar; 输出: 4~20mA, 0~10V; 温度: -40 ... + 125 °C; 精度: ≤0.5%

*压力开关范围: 0.04~250bar; 高低压开关输出量: IP65; 普通型/防爆型-等级: II 2G Eex II C T6



防爆压力开关



泵/压缩机水箱压力开关



泵断流监控器



船用压力开关



双点压力开关



压差开关和压差传感器



温度开关和温度传感器



温度开关和温度传感器



流量开关和流量传感器



流量开关/流量传感器



流量传感器



浮子液位开关/1-6 点



液位计



液位控制器



电子压力开关



数显开关

压差开关和压差传感器: 0.4-1000bar; 0-10V和4-20mA。

温度开关和温度传感器: -50-250 °C; 可选防爆型, 有数显型。

流量开关和流量传感器: 普通型和数显型, 测量液体和气体范围: 3-300/200-3000cm/s, 非常高的性价比。

流量计: 0-80L/min或更大流量。

液位传感器: 浮子式, 沉入式, 雷达式。

其它产品



煤油泵 航空液压油泵 燃油泵



液压阀/手动泵
意大利



低速大扭矩液压马达

分流阀 分流集流阀



测压接头



防脉动消声器
意大利

防脉动消声器



| 其它品牌



齿轮泵/马达/同步分流器
超高压齿轮泵/马达
静音斜齿轮泵/马达



螺线摆动油缸/液压阀门执行器



高频叶片摆动缸



螺杆泵/机床高压冷却泵/流量计
低粘度介质泵



水压泵/马达/阀及连接件
反渗透节能装置 (RO)



柱塞分流马达/脉动消声器
电液动阀门



液压阀/手动泵



变量叶片泵



压力/流量/液位开关及传感器



低速大扭矩马达

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