

Show China Eternal Quality To The World

Valve Block



COMPANY PROFILE



Eternal Hydraulic belongs to Eternal Group, which is a International Well-known Professional Hydraulic Enterprise with 6 Own Manufacturing Bases in 2023, and we will complete our 12+ Manufacturing Bases in future 5 years to become the No.1 Hydraulic Alliance Group Enterprise.

Eternal Hydraulic are integrating Design&Develop&Manufacturing&Marketing for Hydraulic Components, and with more than 16+ years experience in Hydraulic Field.

Eternal Hydraulic commit ourselves to the No.1 Global One-Stop Mall in Hydraulic Field, Our products are widely used in Agricultural Machinery, Forestry Machinery, Dump Trucks & Special Vehicles, Municipal Sanitation Machinery, Construction Machinery, Logistics&Forklift Machinery, Industrial Equipment, Mining machinery, Marine Machinery and Military Machinery etc, with 98% Good Quality&Price Feed-back from market.

Eternal Hydraulic can be used in all Equipments which need Hydraulic Power.

Eternal Hydraulic keep good cooperative relationship with most of International Well-known Hydraulic Companies to provide best Service to our all regular customers.

Eternal Hydraulic firmly believes that "Only the Best can Satisfied the Best", become the First and Best Purchase Choice of Hydraulic Components in all over the World.

Inviting all ability Partners to join in us to complete 86+ Strategic Partners in all over the World.

ETERNAL HYDRAULIC VALVE MANUFACTURING BASE

● No. of Workers: 120+ ● Factory area: 18,000m²



MAIN PRODUCTS

Directional Control Valve: Danfoss, Walvoil, Badestnost, Youli, Hydrosila Series...

Hydraulic Valve: Rexroth, Yuken, Vickers Series...

CERTIFICATES





APPLICATIONS



Agricultural Machinery



Forklift



Sanitation Machinery



Forestry Machinery



Construction Machinery



Dump Truck



Industry



Mining Machine



Ship Machinery

液控单向阀（液压锁） / PILOT OPERATED CHECK VALVES

VRSD单向液压锁	2
VRSD SINGLE PILOT CHECK VALVE	
VRDD双向液压锁	3
VRDD DOUBLE PILOT CHECK VALVE	
VRSE单向液压锁	4
VRSE SINGLE PILOT CHECK VALVE	
VRDE双向液压锁	5
VRDE DOUBLE PILOT CHECK VALVE	
VRSL单向液压锁	6
VRSL SINGLE PILOT CHECK VALVE	
VRSL-FL单向液压锁.....	7
VRSL-FL SINGLE PILOT CHECK VALVE	
VRDL双向液压锁	8
VRDL DOUBLE PILOT CHECK VALVE	
VRSL-FL2单向液压锁	9
VRSL-FL2SINGLE PILOT CHECK VALVE	
VRDL-FL双向液压锁	10
VRDL-FL DOUBLE PILOT CHECK VALVE	
VRPE管式液压锁	11
VRPE SINGLE P1LOI CHECK VALVL	
VBPDE-FLV双向液压锁	12
VBPDE-FLV DOUBLE PILOT CHECK VALVE	

平衡阀 / OVERCENTER VALVES

VBCD-SEA单向平衡阀	14
VBCD-SEASINGLE OVERCENTER VALVE	
VBCD-SE单向平衡阀	15
VBCD-SE SINGLE OVERCENTER VALVE	
VBCD-SE-FL单向平衡阀	16
VBCD-SE-FL SINGLE OVERCENTER VALVE	
VBCD-SE-FL3单向平衡阀	17
VBCD-SE-FL3 SINGLE OVERCENTER VALVE	
VBCD-SE-FLV单向平衡阀	18
VBCD-SE-FLV SINGLE OVERCENTER VALVE	

VBCD-SE-3VIE单向平衡阀	19
VBCD-SE-3VIE SINGLE OVERCENTER VALVE	
VBCD-DEA双向平衡阀	20
VBCD-DEA DOUBLE OVERCENTER VALVE	
VBCD-DE双向平衡阀	21
VBCD-DE DOUBLE OVERCENTER VALVE	
VBCD-DE-FL双向平衡阀	22
VBCD-DE-FL DOUBLE OVERCENTER VALVE	
VBCD-DE-FLV双向平衡阀	23
VBCD-DE-FLV DOUBLE OVERCENTER VALVE	

单向阀、梭阀、节流阀 / CHECK VALVE, SHUTTLE VALVE, FLOW RESRICTOR VALVE

VUR单向阀	25
VUR CHECK VALVE	
SY-RD单向阀	26
SY-RD CHECK VALVE	
SY-RZ单向阀	27
SY-RZ CHECK VALVE	
SY-RV单向阀	28
SY-RV CHECK VALVE	
VUSF梭阀	29
VUSF SHUTTLE VALVE	
VURF单向节流阀	30
VURF FLOW RESTRICTOR WITH CHECK VALVE	
VBRF节流阀	31
VBRF BI-DIRECTIONAL FLOW RESTRICTOR	
STU单向节流阀	32
STU FLOW RESTRICTOR WITH CHECK VALVE	
STB节流阀	33
STB BI-DIRECTIONAL FLOW RESTRICTOR	

其他类型阀 / OTHER TYPE VALVE

VMP 溢流阀	35
VMP LIGHT RELIEF VALVE	
VAU 双向溢流阀	36
VAU DUAL CROSS RELIEF VALVE	

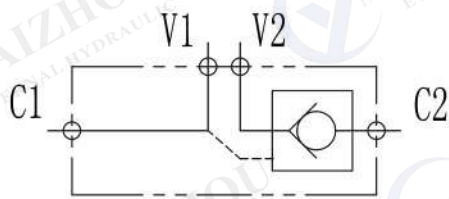
DF3 转阀	37
DF 3-WAYS DIVERTER VALVE	
DF6 转阀	38
DF 6-WAYS DIVERTER VALVE	

其他类型阀 / OTHER TYPE VALVE

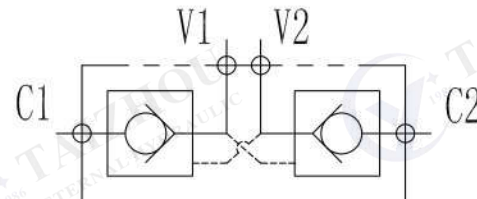
BKH 直通高压球阀	40
BKH STRAIGHT BALL VALVE	
BK3 三通高压球阀	42
BK 3-WAY BALL VALVE	
BKH-SAE 高压球阀	44
BKH-SAE BALL VALVE	
HBKH 高压球阀	45
HBKH BALL VALVE	
3KH 高压球阀	46
3KH 3-WAY BALL VALVE	
4KH 高压球阀	48
4KH 4-WAY BALL VALVE	
KHP 板式直通球阀	50
KHP BALL VALVE	
KHP3 板式三通球阀	51
KHP3 3-WAY BALL VALVE	

液控单向阀 (液压锁)

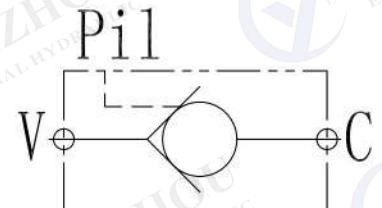
PILOT OPERATED CHECK VALVES



单向液压锁
Single pilot operated check valves



双向液压锁
Double pilot operated check valves



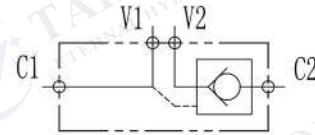
液控单向阀
Single pilot operated check valves

液控单向阀 (液压锁) 允许是一个方向的自由流动 (从 V 至 C) 流动, 反向开启则需要通过液压先导控制来实现的单向阀。这是一种开/关阀, 不能调节开启, 适用于保持静载, 但不适用于控制载荷运动。

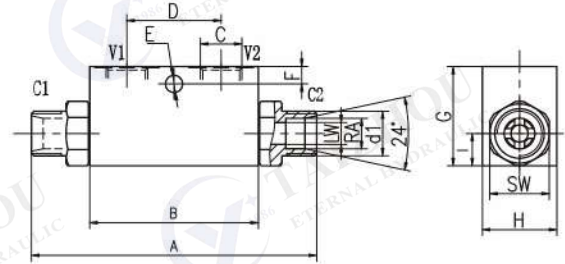
The pilot operated check valve arrow free flow in one direction (from V to C) ,reverse opening is required by the pilot pressure control to achieve the single valve.The pilot operated check valves are on/off valves,not able to modulate the opening,these valves are suitable to hold the load but they are not suitable to control the load motion.



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:

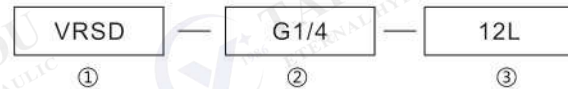


技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED: 阀体/BODY: 钢/Steel; 阀芯/VALVES: 钢/Steel; 密封/SEALS: 丁腈胶/NBR
 适用工作环境/OPERATIONAL RANGE: 安装/MOUNTING: 按需/as preferred

温度/TEMPERATURES: 理想工作温度: +40°C ~ +70°C; 最高工作温度: +90°C; 最低/最高环境温度: -20°C ~ +60°C

型号说明/MODEL CODE:



- ① 单向液压锁系列代号/single pilot check valve series code: VRSD型/VRSD type
- ② 阀体连接螺纹形式/connection thread dimension: BBSP
- ③ 接头连接螺纹形式/ Threaded connection type: 12L、15L、18L(DIN2353)

型号 /TYPE	最大压力 (bar)	最大流量 (L/min)	先导比 (pilot ratio)	开启压力 (cracking pressure)(bar)
VRSD-G1/4-12L	350	20	1:4.5	3.5
VRSD-G3/8-12L		20	1:4.5	3.5
VRSD-G3/8-15L		50	1:4	3.5
VRSD-G1/2-15L		50	1:4	3.5
VRSD-G1/2-18L	300	80	1:4	3.5

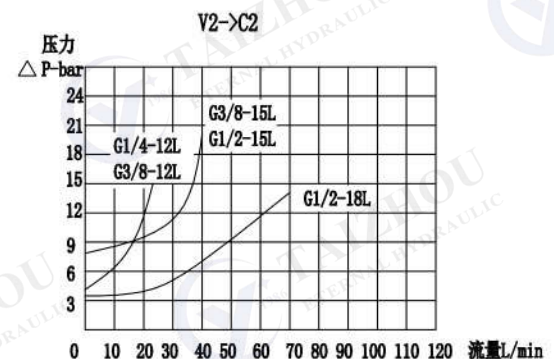
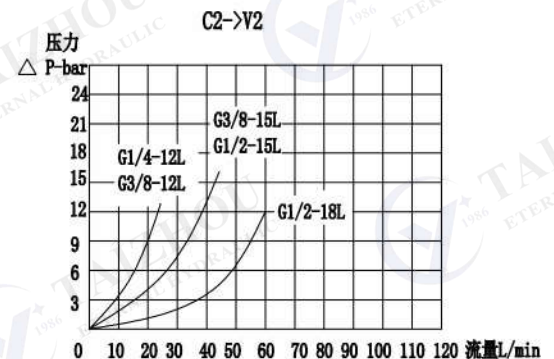
型号 /TYPE	A	B	C	D	E	F	G	H	I	RA	LW	d1	SW
VRSD-G1/4-12L	115	68	G1/4	38	7	7	40	30	13	12.3	12	M18x1.5	24
VRSD-G3/8-12L	115	68	G3/8	38	7	7	40	30	13	12.3	15	M18x1.5	24
VRSD-G3/8-15L	139	80	G3/8	40	8.5	15	50	40	16	15.3	15	M22x1.5	27
VRSD-G1/2-15L	139	80	G1/2	40	8.5	15	50	40	16	15.3	18	M22x1.5	27
VRSD-G1/2-18L	163	90	G1/2	40	8.5	15	60	40	20	18.3	18	M26x1.5	30

以上型号产品均不带卡套接头, 如需带卡套型号后面加 "-KT"
 带卡套订货示例: VRSD-G1/4-12L-KT
 All types of products are not with the compression fitting sets of joints, if you need it add "-KT" after the type
 With compression fitting sets Ordering example: VRSD-G1/4-12L-KT

应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动(极小的压降); 而反方向则通常是关闭的, 当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure(coming from the other line of the circuit).

流量曲线图/FLOW DIAGRAM





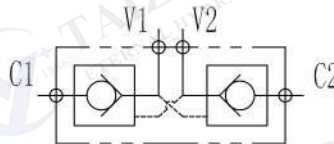
技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED
 阀体/BODY : 钢/Steel
 阀芯/VALVES : 钢/Steel
 密封/SEALS : 丁腈胶/NBR

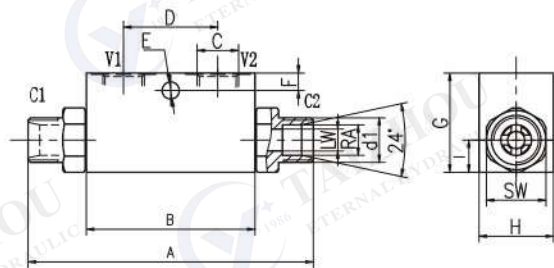
适用工作环境/OPERATIONAL RANGE
 安装/MOUNTING : 按需/as preferred

温度/TEMPERATURES
 理想工作温度 : +40°C ~ +70°C / Ideal operating range between +40°C and +70°C
 最高工作温度 : +90°C / Max operating temperature +90°C
 最低/最高环境温度 : -20°C ~ +60°C / Min/Max environment temps -20°C and +60°C

图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:

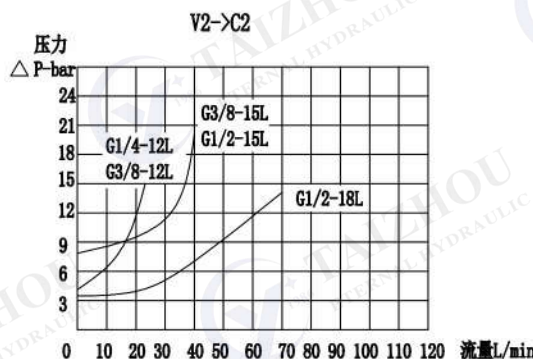
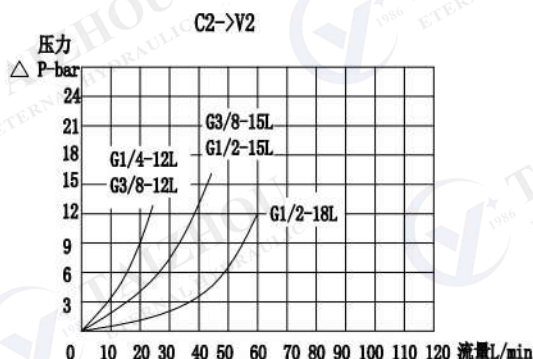


型号说明/MODEL CODE:



- ① 双向液压锁系列代号/double pilot check valve series code: VRDD型/VRDD type
- ② 阀体连接螺纹形式/connection thread dimension: BBSP
- ③ 接头连接螺纹形式/ Threaded connection type: 12L、15L、18L(DIN2353)

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大压力 (bar)	最大流量 (L/min)	先导比 (pilot ratio)	开启压力 (cracking pressure)(bar)
VRDD-G1/4-12L	350	20	1:4.5	3.5
VRDD-G3/8-12L		20	1:4.5	3.5
VRDD-G3/8-15L		50	1:4	3.5
VRDD-G1/2-15L		50	1:4	3.5
VRDD-G1/2-18L	300	80	1:4	3.5

型号 /TYPE	A	B	C	D	E	F	G	H	I	RA	LW	d1	SW
VRDD-G1/4-12L	115	68	G1/4	38	7	7	40	30	13	12.3	12	M18x1.5	24
VRDD-G3/8-12L	115	68	G3/8	38	7	7	40	30	13	12.3	15	M18x1.5	24
VRDD-G3/8-15L	139	80	G3/8	40	8.5	15	50	40	16	15.3	15	M22x1.5	27
VRDD-G1/2-15L	139	80	G1/2	40	8.5	15	50	40	16	15.3	18	M22x1.5	27
VRDD-G1/2-18L	163	90	G1/2	40	8.5	15	60	40	20	18.3	18	M26x1.5	30

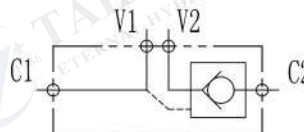
以上型号产品均不带卡套接头, 如需带卡套型号后面加 "-KT"
 带卡套订货示例: VRDD-G1/4-12L-KT
 All types of products are not with the compression fitting sets of joints, if you need it add "-KT" after the type
 With compression fitting sets Ordering example: VRDD-G1/4-12L-KT

应用/APPLICATIONS:

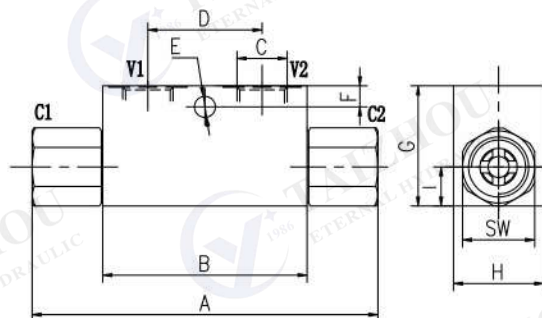
液控单向阀允许一个方向的自由流动(极小的压降); 而反方向则通常是关闭的, 当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED
 阀体/BODY: 钢/Steel
 阀芯/VALVES: 钢/Steel
 密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE
 安装/MOUNTING: 按需/as preferred

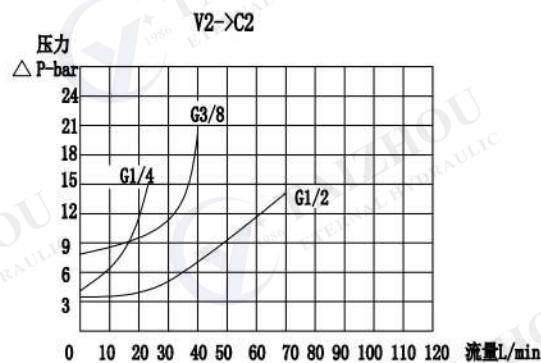
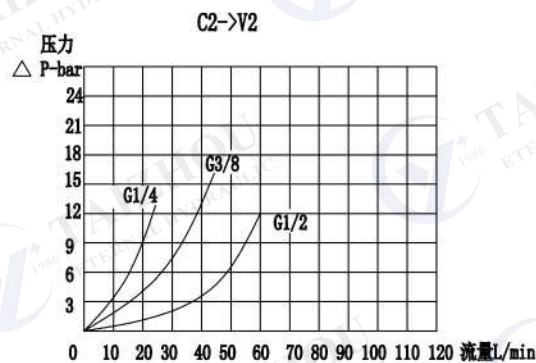
温度/TEMPERATURES
 理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C
 最高工作温度: +90°C/Max operating temperature +90°C
 最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ① 单向液压锁系列代号/single pilot check valve series code: VRSE型/VRSE type
- ② 阀体连接螺纹形式/connection thread dimension: BBSPP

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大压力 (bar)	最大流量 (L/min)	先导比 (pilot ratio)	开启压力 (cracking pressure)(bar)
VRSE-G1/4	350	20	1:4.5	3.5
VRSE-G3/8		50	1:4	
VRSE-G1/2	300	80	1:4	3.5

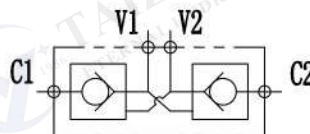
型号 /TYPE	A	B	C	D	E	F	G	H	I	SW
VRSE-G1/4	115	68	G1/4	38	7	7	40	30	13	24
VRSE-G3/8	139	80	G3/8	40	8.5	15	50	40	16	27
VRSE-G1/2	173	90	G1/2	40	8.5	15	60	40	20	30

应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 钢/Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

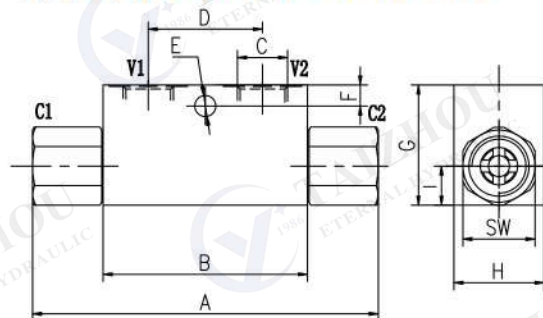
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

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外形尺寸/OVER DIMENSION:



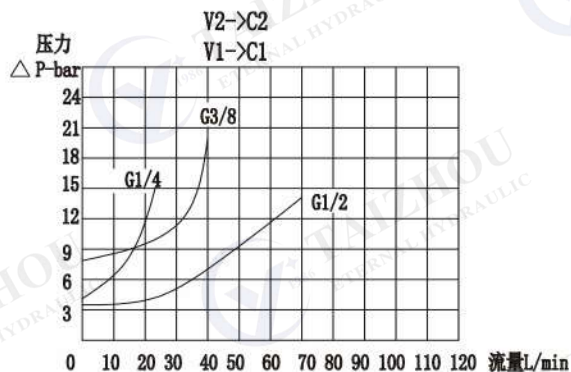
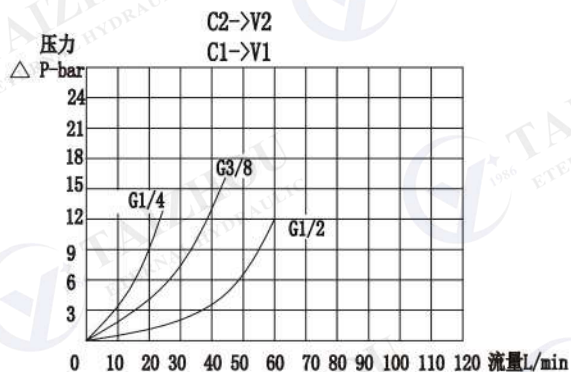
型号说明/MODEL CODE:



①双向液压锁系列代号/double pilot check valve series code: VRDE型/VRDE type

②阀体连接螺纹形式/connection thread dimension: BBSPP

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大压力 (bar)	最大流量 (L/min)	先导比 (pilot ratio)	开启压力 (cracking pressure)(bar)
VRDE-G1/4	350	20	1:4.5	3.5
VRDE-G3/8		50	1:4	
VRDE-G1/2	300	80	1:4	3.5

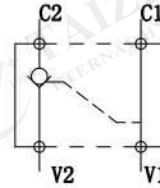
型号 /TYPE	A	B	C	D	E	F	G	H	I	SW
VRDE-G1/4	115	68	G1/4	38	7	7	40	30	13	24
VRDE-G3/8	139	80	G3/8	40	8.5	15	50	40	16	27
VRDE-G1/2	173	90	G1/2	40	8.5	15	60	40	20	30

应用/APPLICATIONS:

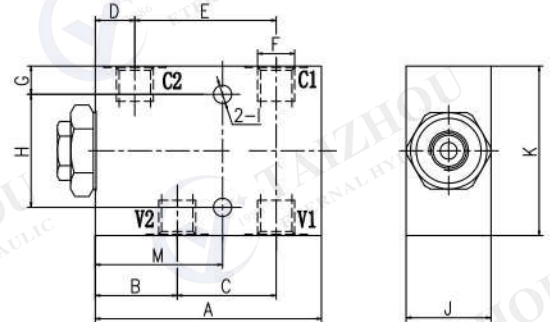
液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED
 阀体/BODY: 钢/Steel
 阀芯/VALVES: 钢/Steel
 密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE
 安装/MOUNTING
 按需/as preferred

温度/TEMPERATURES
 理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C
 最高工作温度: +90°C/Max operating temperature +90°C
 最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ①材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ②液控单向阀系列代号/single check valve series code: VRSL型/VRSL type
- ③连接螺纹尺寸/connection thread dimension: BBSP

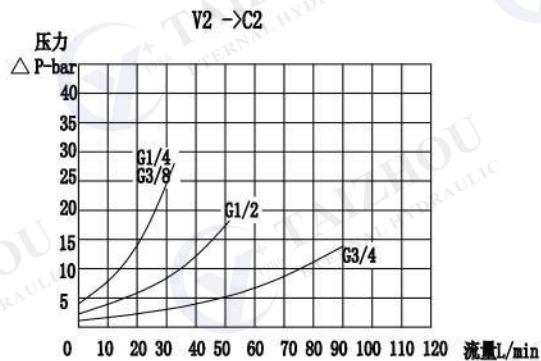
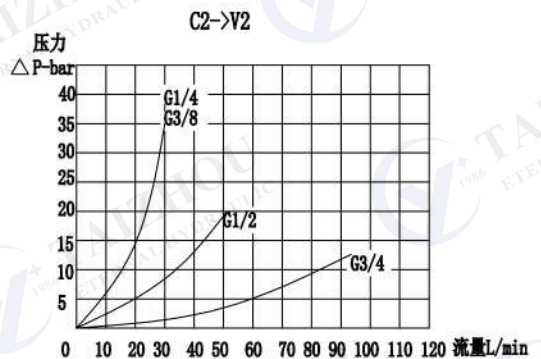
型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	开启压力 (cracking pressure) (bar)
		钢 /steel	铝 /aluminium		
VRSL-G1/4	20	350	200	7.1:1	3.5
VRSL-G3/8	30			7.1:1	3.5
VRSL-G1/2	50			3.2:1	3.5
VRSL-G3/4	100			4:1	3.5

型号 /TYPE	A	B	C	D	E	F	G	H	I	J	K	M
VRSL-G1/4	80	29	35	14	50	G1/4	10	40	Φ6.5	30	64	45
VRSL-G3/8	80	29	35	14	50	G3/8	10	40	Φ6.5	30	64	45
VRSL-G1/2	100	38	38	19	57	G1/2	15	40	Φ8.5	35	70	57
VRSL-G3/4	140	47	68	25	90	G3/4	20	50	Φ10.5	44	90	70

应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动 (极小的压降) ; 而反方向则通常是关闭的, 当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).

流量曲线图/FLOW DIAGRAM



VRSL-FL 单向液压锁

VRSL-FL Single Pilot Check Valves



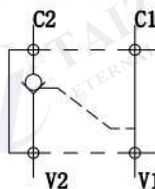
技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED
 阀体/BODY: 钢/Steel
 阀芯/VALVES: 强化硬质钢/Hardened Steel
 密封/SEALS: 丁腈胶/NBR

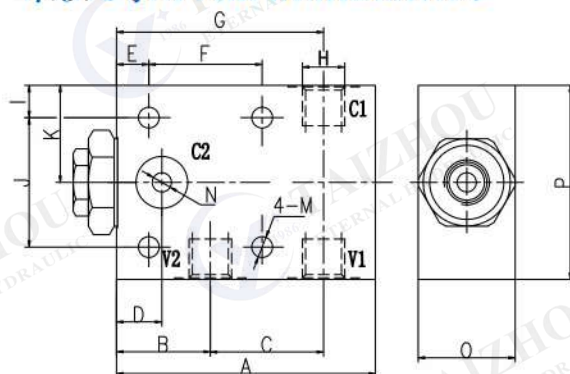
适用工作环境/OPERATIONAL RANGE
 安装/MOUNTING
 按需/as preferred

温度/TEMPERATURES
 理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C
 最高工作温度: +90°C/Max operating temperature +90°C
 最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

图形符号/SYMBOL:

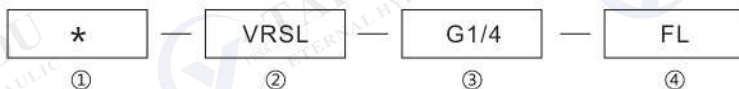


外形尺寸/OVER DIMENSION:



流量曲线图/FLOW DIAGRAM

型号说明/MODEL CODE:



- ①材料/material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ②液控单向阀系列代号/single check valve series code: VRSL-FL型/VRSL-FL type
- ③连接螺纹尺寸/connection thread dimension: BBSP
- ④法兰连接(板式连接)/Flangeable: FL

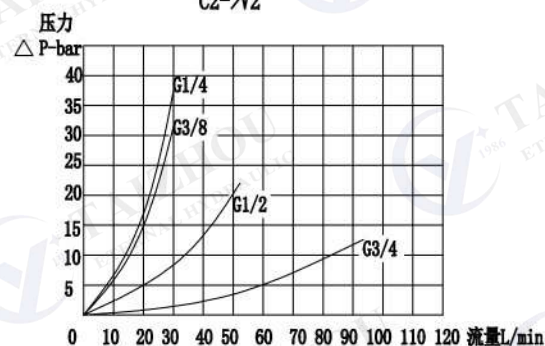
型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	开启压力 (cracking pressure) (bar)
		钢 /steel	铝 /aluminium		
VRSL-G1/4-FL	20	350	210	7.1:1	3.5
VRSL-G3/8-FL	30			7.1:1	3.5
VRSL-G1/2-FL	50			3.2:1	3.5
VRSL-G3/4-FL	100			4:1	3.5

型号 /TYPE	A	B	C	D	E	F	G	H	I	J	K	M	N	O	P
VRSL-G1/4-FL	80	29	35	14	10	35	64	G1/4	10	40	30	Φ6.5	Φ6	30	64
VRSL-G3/8-FL	80	29	35	14	10	35	64	G3/8	10	40	30	Φ6.5	Φ6	30	64
VRSL-G1/2-FL	100	38	38	19	15	40	76	G1/2	15	40	35	Φ8.5	Φ10	35	70
VRSL-G3/4-FL	140	47	68	25	22	48	115	G3/4	20	50	45	Φ10.5	Φ14	44	90

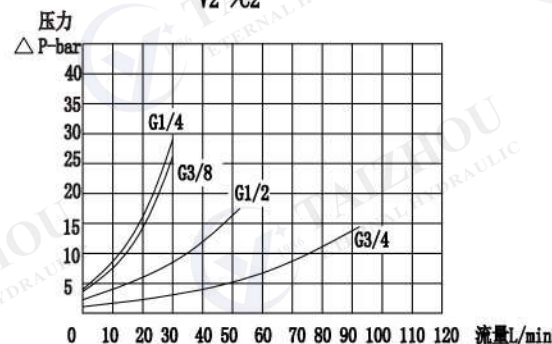
应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).

C2→V2



V2→C2





技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY : 钢/Steel

阀芯/VALVES : 强化硬质钢/Hardened Steel

密封/SEALS : 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

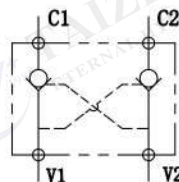
温度/TEMPERATURES

理想工作温度 : +40°C~+70°C/Ideal operating range between +40°C and +70°C

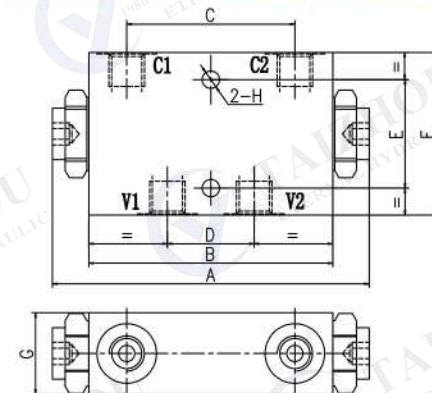
最高工作温度 : +90°C/Max operating temperature +90°C

最低/最高环境温度 : -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

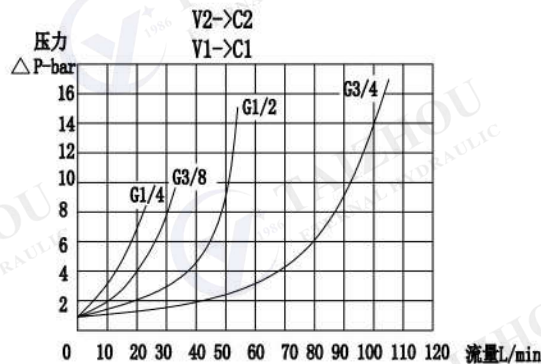
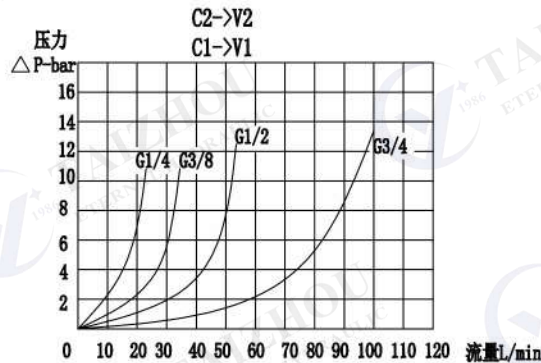
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



流量曲线图/FLOW DIAGRAM



型号说明/MODEL CODE:



①材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel

②双液控单向阀系列代号/double check valve series code: VRDL型/VRDL type

③连接螺纹尺寸/connection thread dimension: BBSP

型号 /TYPE	C1-C2 V1-V2	最大流量 (L/min)	最大压力 (bar)		A	B	C	D	E	F	G	H
			钢 /steel	铝 /aluminium								
VRDL-G1/4	G1/4	20	350	210	117	90	62	30	40	64	30	6.5
VRDL-G3/8	G3/8	30			117	90	62	30	40	64	30	6.5
VRDL-G1/2	G1/2	50			129	114	76	38	40	70	35	8.5
VRDL-G3/4	G3/4	100			154	140	90	46	50	90	44	10.5

应用/APPLICATIONS:

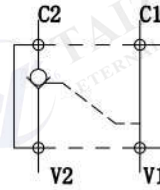
液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).

VRSL-FL3 单向液压锁

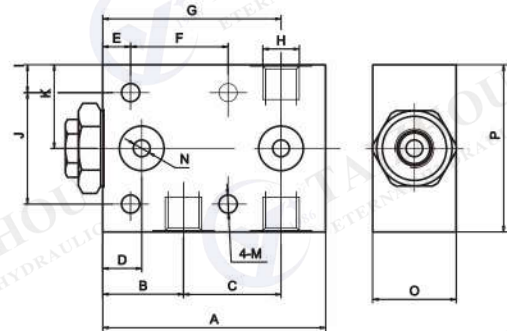
VRSL-FL3 Single Pilot Check Valves



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



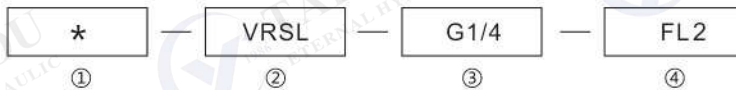
技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED
 阀体/BODY: 钢/Steel
 阀芯/VALVES: 强化硬质钢/Hardened Steel
 密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE
 安装/MOUNTING: 按需/as preferred

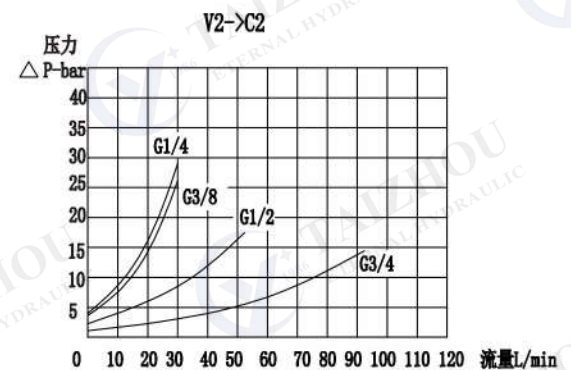
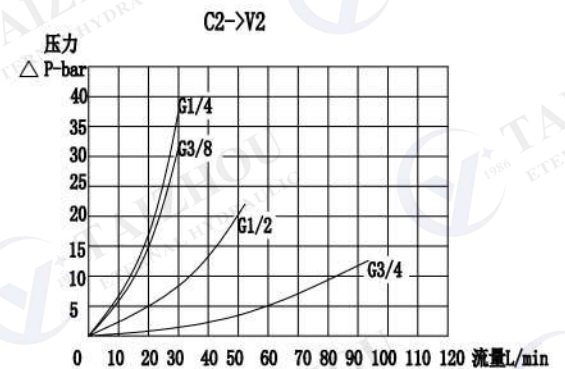
温度/TEMPERATURES
 理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C
 最高工作温度: +90°C/Max operating temperature +90°C
 最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ①材料/material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ②液控单向阀系列代号/single check valve series code: VRSL-FL2型/VRSL-FL2type
- ③连接螺纹尺寸/connection thread dimension: BBSP
- ④法兰连接(板式连接)/Flangeable: FL2

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	开启压力 (cracking pressure) (bar)
		钢 /steel	铝 /aluminium		
VRSL-G1/4-FL2	20	350	210	7.1:1	3.5
VRSL-G3/8-FL2	30			7.1:1	3.5
VRSL-G1/2-FL2	50			3.2:1	3.5
VRSL-G3/4-FL2	100			4:1	3.5

型号 /TYPE	A	B	C	D	E	F	G	H	I	J	K	M	N	O	P
VRSL-G1/4-FL2	80	29	35	14	10	35	64	G1/4	10	40	30	Φ6.5	Φ6	30	64
VRSL-G3/8-FL2	80	29	35	14	10	35	64	G3/8	10	40	30	Φ6.5	Φ6	30	64
VRSL-G1/2-FL2	100	38	38	19	15	40	76	G1/2	15	40	35	Φ8.5	Φ10	35	70
VRSL-G3/4-FL2	140	47	68	25	22	48	115	G3/4	20	50	45	Φ10.5	Φ14	44	90

应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).

VRDL-FL 双向液压锁

VRDL-FL Double Pilot Check Valves



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY : 钢/Steel

阀芯/VALVES : 强化硬质钢/Hardened Steel

密封/SEALS : 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

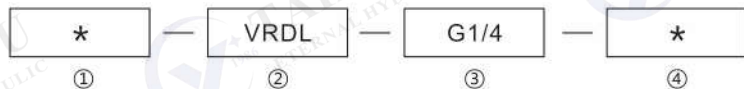
温度/TEMPERATURES

理想工作温度 : +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度 : +90°C/Max operating temperature +90°C

最低/最高环境温度 : -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



①材料/Material: A: 铝/aluminum 空白: 碳钢/Carbon steel

②双液控单向阀系列代号/single check series code: VRDL-FL型/VRDL-FL type

③连接螺纹尺寸/connection thread dimension: BBSP

④法兰连接(板式连接)/Flangeable: FL

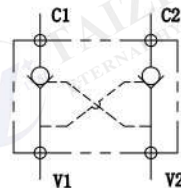
型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	开启压力 (cracking pressure) (bar)
		钢 /steel	铝 /aluminium		
VRDL-G1/4-FL	20	350	210	7.1:1	3.5
VRDL-G3/8-FL	30			7.1:1	3.5
VRDL-G1/2-FL	50			3.2:1	3.5
VRDL-G3/4-FL	100			4:1	3.5

型号 /TYPE	C1-C2 V1-V2	A	B	C	D	E	F	G	H	I	J	O-ring
VRDL-G1/4-FL	G1/4	110	90	32	40	64	Φ6.5	35	62	34	Φ6	9.19x2.62
VRDL-G3/8-FL	G3/8	110	90	32	40	64	Φ6.5	35	62	34	Φ6	9.19x2.62
VRDL-G1/2-FL	G1/2	142.5	114	34	40	70	Φ8.5	40	65	35	Φ10	15.54x2.62
VRDL-G3/4-FL	G3/4	166	140	46	51	83	Φ10.5	48	96	44	Φ14	18.72x2.62

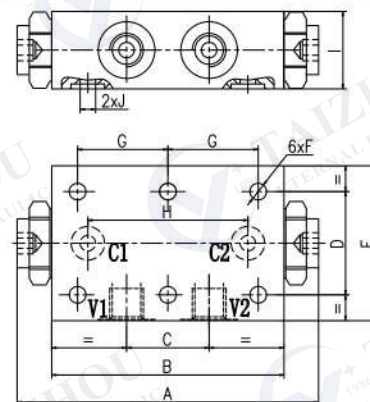
应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).

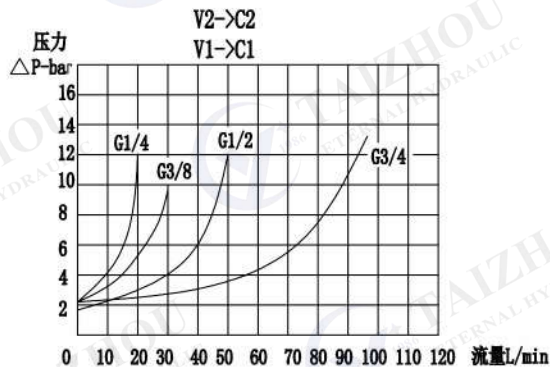
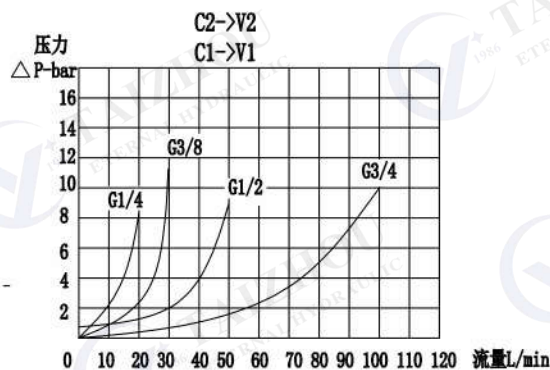
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



流量曲线图/FLOW DIAGRAM





技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

管体/BODY: 钢/Steel
 阀芯/VALVES: 钢/Steel

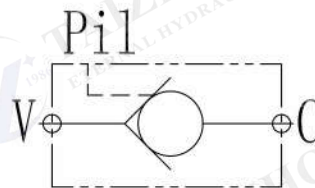
适用工作环境/OPERATIONAL RANGE

安装/MOUNTING
 按需/as preferred

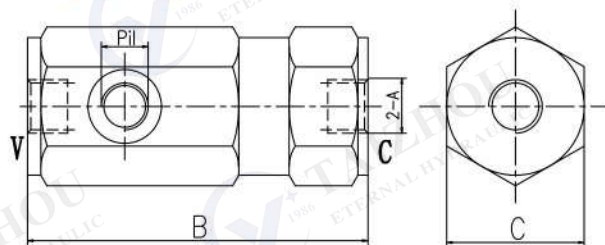
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C
 最高工作温度: +90°C/Max operating temperature +90°C
 最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



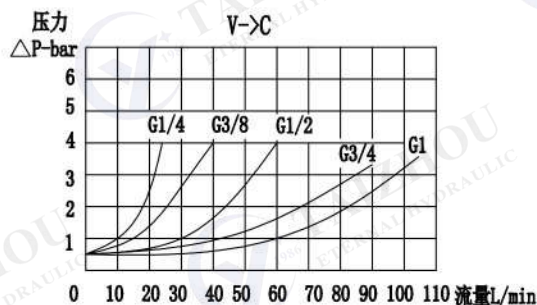
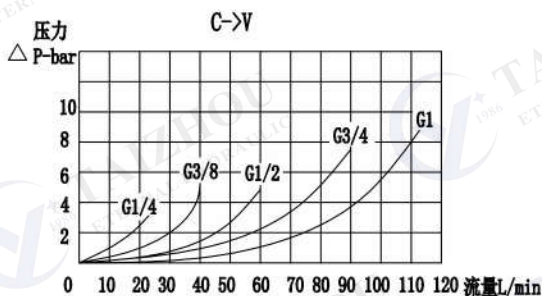
型号说明/MODEL CODE:



- ① 液控单向阀系列代号/single check series code: VRPE型/VRPE type
- ② 连接螺纹尺寸/connection thread dimension: BBSP

型号 /TYPE	A	最大流量 (L/min)	最大压力 (bar)	B	C	Pil	先导比 (pilot ratio)
VRPE-G1/4	G1/4	25	350	102	41	G1/4	1:3.6
VRPE-G3/8	G3/8	40	350	108	41		1:3.2
VRPE-G1/2	G1/2	60	350	120	42		1:2.8
VRPE-G3/4	G3/4	100	300	131	55		1:3.2
VRPE-G1	G1	150	300	170	60		1:6.2

流量曲线图/FLOW DIAGRAM



应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动(极小的压降);而反方向则通常是关闭的,当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY : 钢/Steel

阀芯/VALVES : 强化硬质钢/Hardened Steel

密封/SEALS : 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

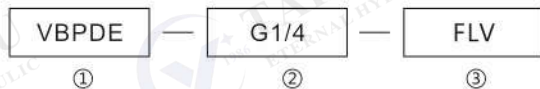
温度/TEMPERATURES

理想工作温度 : +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度 : +90°C/Max operating temperature +90°C

最低/最高环境温度 : -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



① 双向液控单向阀系列代号/double check valve series code: VBPDE-FLV型/
VBPDE-FLV type

② 连接螺纹尺寸/connection thread dimension: BBSP

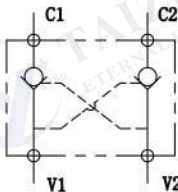
③ 连接形式/ Connection : 可用于法兰螺钉/Flangeable by screw

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)	先导比 (pilot ratio)	开启压力 (cracking pressure) (bar)
VBPDE-G1/4-FLV	20	350	7.1:1	3.5
VBPDE-G3/8-FLV	30		7.1:1	3.5

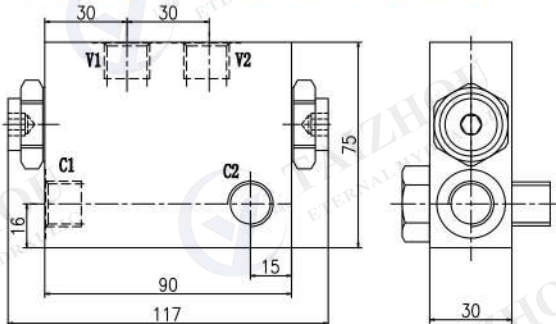
应用/APPLICATIONS:

液控单向阀允许一个方向的自由流动 (极小的压降) ; 而反方向则通常是关闭的, 当有来自另一个油路的先导压力方可打开该阀。/The pilot operated check valves allow free flow in a direction (with low pressure drops) and stop it in the opposite direction until they are opened by the pilot pressure (coming from the other line of the circuit).

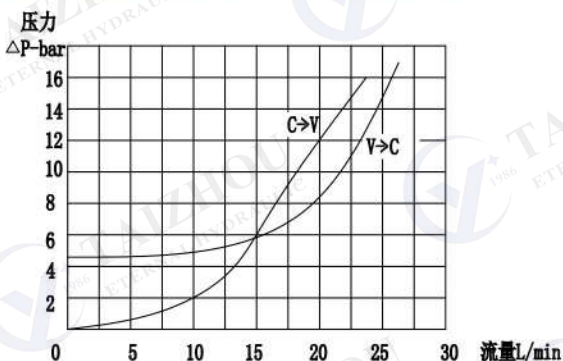
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:

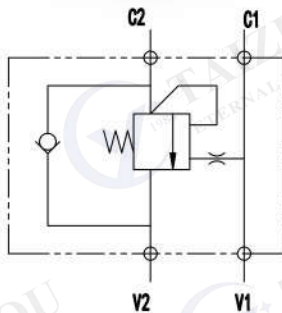


流量曲线图/FLOW DIAGRAM

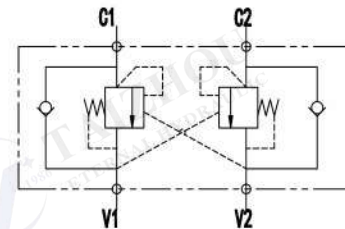


平衡阀

OVERCENTER VALVES



单作用平衡阀
Single overcenter valve



双作用平衡阀
Double overcenter valve

平衡阀是一种可调节阀，允许液流单向流动（V至C），反向开启则需要通过一个先导压力控制实现，阀的开口大小与先导压力成正比，阀组包括一个单向阀，允许液流单向流动，溢流阀先导活塞由先导压力控制，降低溢流阀设定压力来控制反向液流。

平衡阀是用来控制执行机构在一个方向（单平衡）或两个方向（双平衡）的停止和运动。

功能：

- 载荷的降低控制：只有当来自另一油路的先导压力使相应的阀芯开启时，载荷才能被降低；此操作不受气蚀影响
- 对冲击和过载引起的峰值压力进行溢流限压
- 当多路阀不工作或液压泵停止时，锁死油路（和载荷）
- 提升载荷过程中为自由通路（在此操作中压降很小）

Overcenter valve is a kind of adjustable valve, it allows free flow in one direction (from V to C), reverse opening is achieved through a pilot pressure control, valve opening size is proportional to the pilot pressure valve, valve include a single valve that allows the flow of liquid flow, relief pilot piston is controlled by the pilot pressure, lower pressure setting to control the reverse flow.

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves) or in both the directions(double overcenter valves).

Functions:

load lowering control: the lowering of the load is possible only if there is a pilot pressure from the other line; this operation is independent by the cavitation

- pressure relief for any pressure peaks caused by shocks or overloads
- locking of the flow (and of the load) when the directional valve isn't working or the pump is stopped
- free flow for load lowering (the pressure drops for this operation are very low)



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

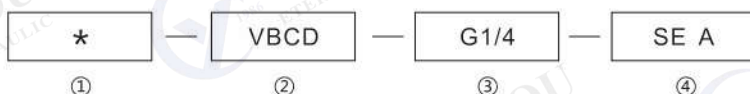
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ① 材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ② 液控单平衡阀系列代号/single overcenter valve series code: VBCD-SE A型/VBCD-SE A type
- ③ 连接螺纹尺寸/connection thread dimension: BBSP
- ④ 单向平衡阀/ The Single overcenter valves

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1-C2
		钢 /steel	铝 /aluminium		
VBCD-G1/4-SE A	20	350	210	4.5:1	G1/4
VBCD-G3/8-SE A	40				G3/8
VBCD-G1/2-SE A	60				G1/2

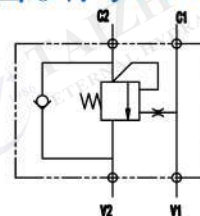
型号 /TYPE	L	L1	L2	L3	L4	L5	L6	N	H	S
VBCD-G1/4-SE A	110	150	90	90	20	50	55	Φ8.5	60	30
VBCD-G3/8-SE A	110	150	91	91	20	50	55	Φ8.5	60	30
VBCD-G1/2-SE A	110	150	91	91	20	50	57.5	Φ8.5	65	35

应用/APPLICATIONS:

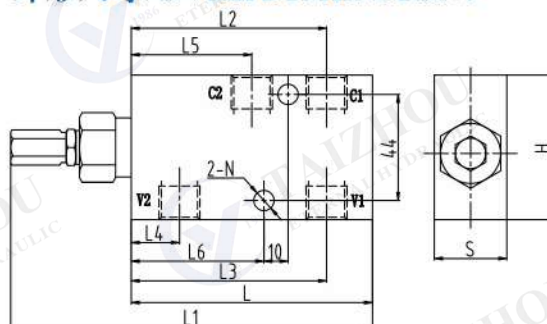
平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)

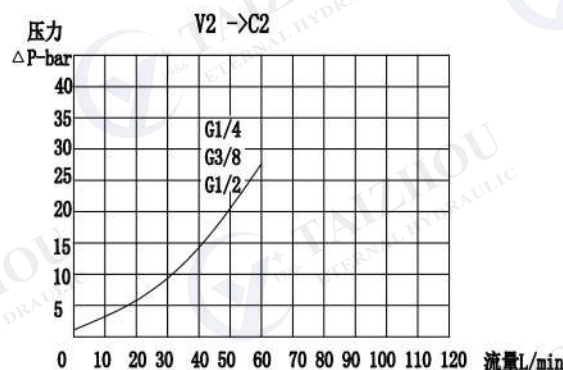
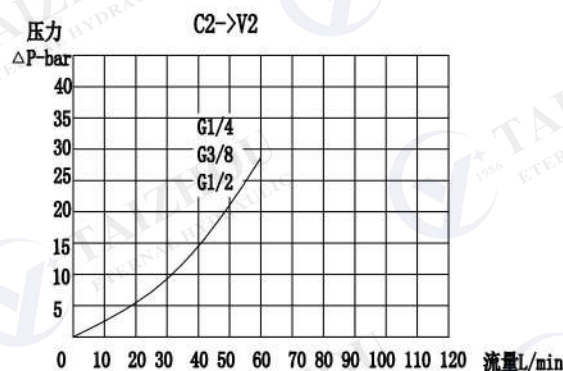
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



流量曲线图/FLOW DIAGRAM



VBCD-SE 单向平衡阀

VBCD-SE Single Overcenter Valves



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

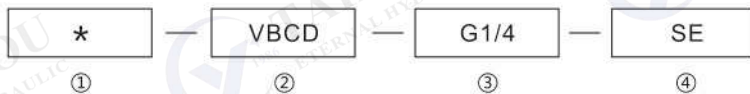
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ① 材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ② 液控单平衡阀系列代号/single overcenter valve series code: VBCD-SE型/VBCD-SE type
- ③ 连接螺纹尺寸/connection thread dimension: BBSP
- ④ 单向平衡阀/ The Single overcenter valves

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1-C2
		钢 /steel	铝 /aluminium		
VBCD-G1/4-SE	20	350	210	4.5:1	G1/4
VBCD-G3/8-SE	40				G3/8
VBCD-G1/2-SE	60				G1/2

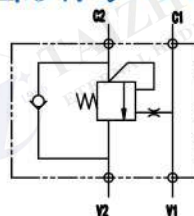
型号 /TYPE	L	L1	L2	L3	L4	L5	L6	N	H	S
VBCD-G1/4-SE	110	150	90	90	20	50	55	Φ8.5	60	30
VBCD-G3/8-SE	110	150	91	91	20	50	55	Φ8.5	60	30
VBCD-G1/2-SE	110	150	91	91	20	50	57.5	Φ8.5	65	35

应用/APPLICATIONS:

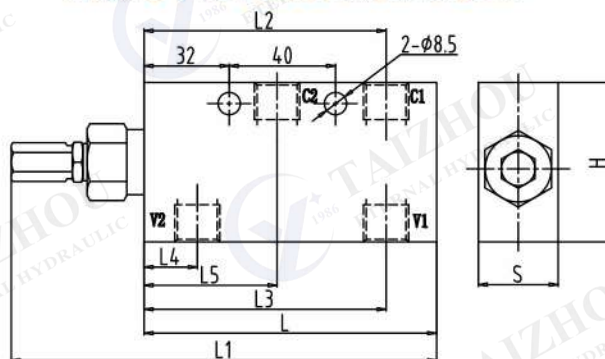
平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)

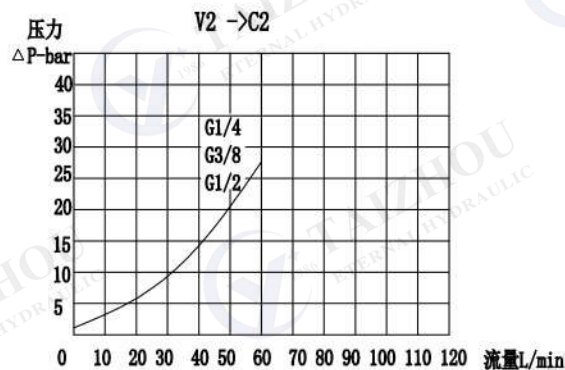
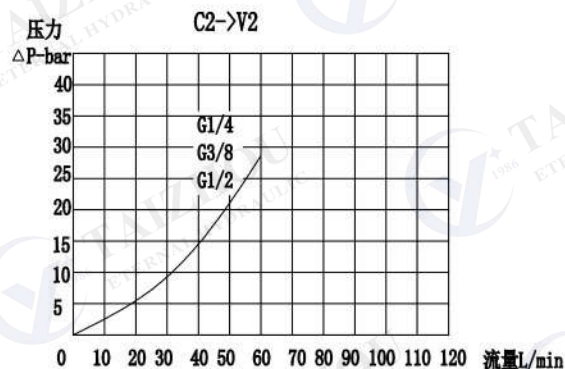
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:

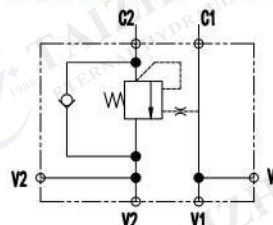


流量曲线图/FLOW DIAGRAM

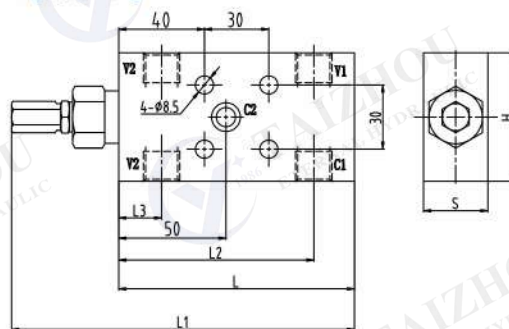




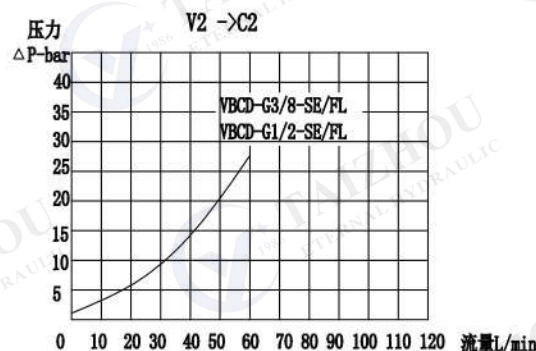
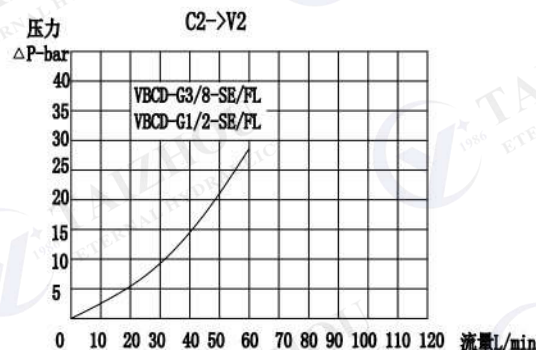
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



流量曲线图/FLOW DIAGRAM



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY : 钢/Steel

阀芯/VALVES : 强化硬质钢/Hardened Steel

密封/SEALS : 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

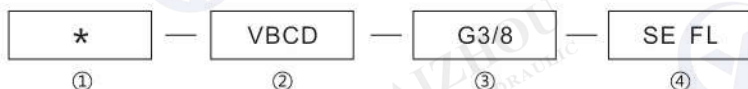
温度/TEMPERATURES

理想工作温度 : +40°C~+70°C/Ideal operating range between +40°Cand +70°C

最高工作温度 : +90°C/Max operating temperature +90°C

最低/最高环境温度 : -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



①材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel

②液控单向平衡阀系列代号/single overcenter valve series code: VBCD-SE FL型/VBCD-SE FL type

③连接螺纹尺寸/connection thread dimension: BBSP

④单向平衡阀板式连接(法兰连接) / The Single overcenter valves flangeable

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	B	
		钢 /steel	铝 /aluminium		V1-V2 C1	C2
VBCD-G3/8-SE FL	40	350	210	4.5:1	G3/8	Φ9
VBCD-G1/2-SE FL	60				G1/2	Φ9

型号 /TYPE	L	L1	L2	L3	H	S
VBCD-G3/8-SE FL	110	150	91	20	60	30
VBCD-G1/2-SE FL	110	150	91	20	65	35

应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

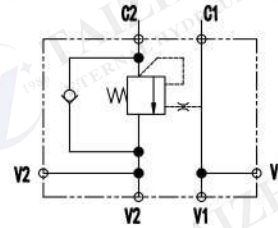
The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)

VBCD-SE-FL3 单向平衡阀

VBCD-SE-FL3 Single Overcenter Valves



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

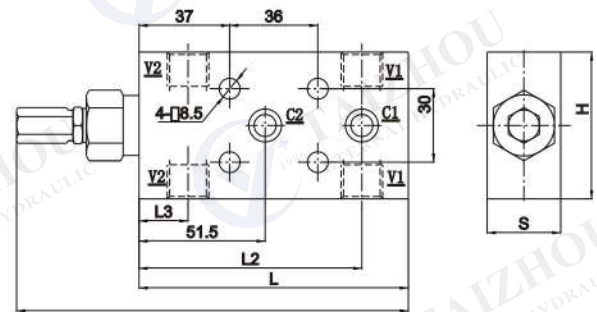
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

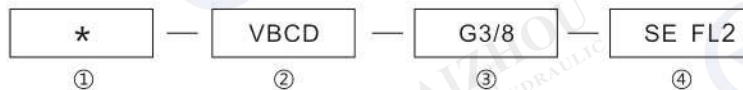
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



①材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel

②液控单平衡阀系列代号/single overcenter valve series code: VBCD-SE FL2型/VBCD-SE FL2type

③连接螺纹尺寸/connection thread dimension: BBSP

④单向平衡阀板式连接(法兰连接)/The Single overcenter valves flangeable

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1	C2
		钢 /steel	铝 /aluminium			
VBCD-G3/8-SE FL2	40	350	210	4.5:1	G3/8	φ9
VBCD-G1/2-SE FL2	60				G1/2	φ9

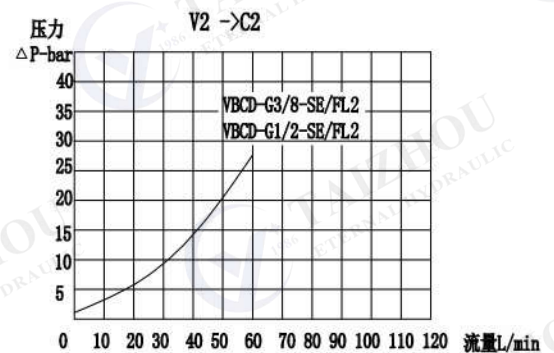
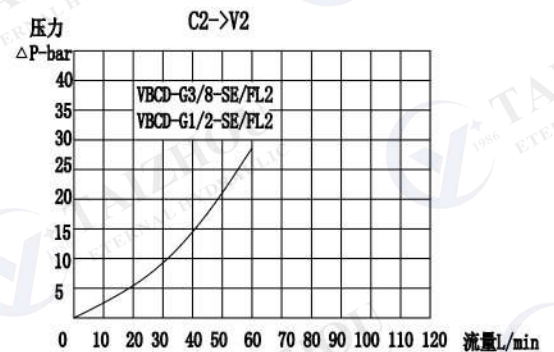
型号 /TYPE	L	L1	L2	L3	H	S
VBCD-G3/8-SE FL2	110	150	91	20	60	30
VBCD-G1/2-SE FL2	110	150	91	20	65	35

应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

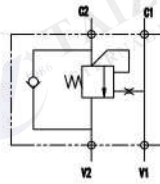
The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)

流量曲线图/FLOW DIAGRAM

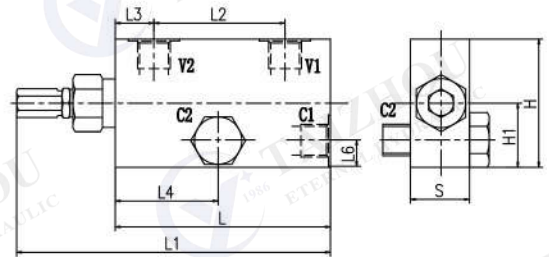




图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



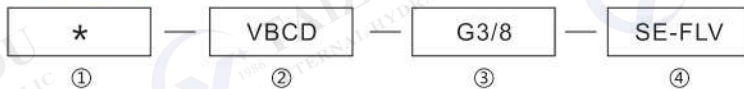
技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED
 阀体/BODY: 钢/Steel
 阀芯/VALVES: 强化硬质钢/Hardened Steel
 密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE
 安装/MOUNTING: 按需/as preferred

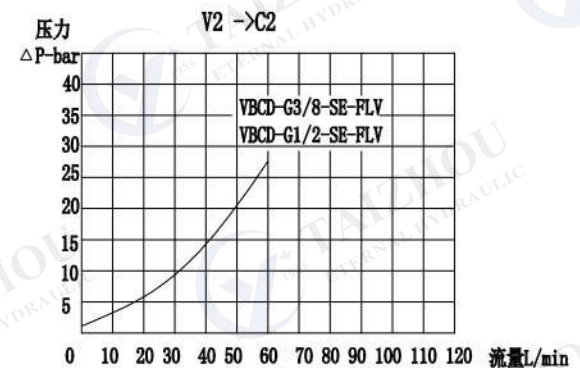
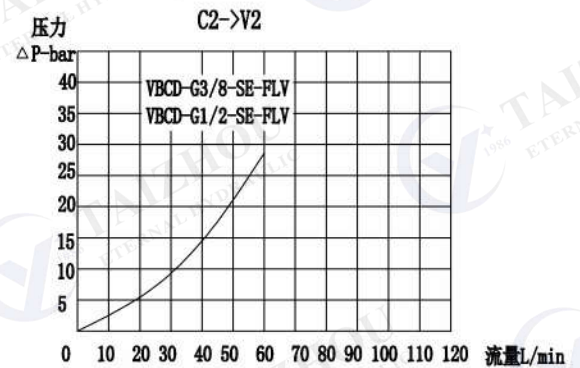
温度/TEMPERATURES
 理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C
 最高工作温度: +90°C/Max operating temperature +90°C
 最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ① 材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ② 液控单平衡阀系列代号/single overcenter valve series code: VBCD-SE-FLV型/VBCD-SE-FLV type
- ③ 连接螺纹尺寸/connection thread dimension: BBSP
- ④ 单向平衡阀法兰螺钉连接/ The Single overcenter valves flangeable by screw

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1	C2
		钢 /steel	铝 /aluminium			
VBCD-G3/8-SE-FLV	40	350	210	4.5:1	G3/8	Φ9
VBCD-G1/2-SE-FLV	60				G1/2	Φ9

型号 /TYPE	L	L1	L2	L3	L4	L6	H	H1	S
VBCD-G3/8-SE-FLV	110	159	67	20	52	13.5	65	32.5	35
VBCD-G1/2-SE-FLV	110	159	67	20	52	15	65	35	35

应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY : 钢/Steel

阀芯/VALVES : 强化硬质钢/Hardened Steel

密封/SEALS : 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

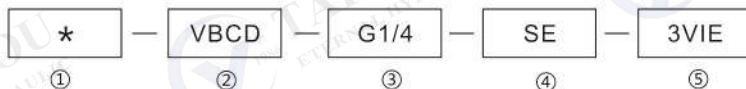
温度/TEMPERATURES

理想工作温度 : +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度 : +90°C/Max operating temperature +90°C

最低/最高环境温度 : -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



①材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel

②液控单平衡阀系列代号/single overcenter valve series code: VBCD-SE-3VIE型/
VBCD-SE-3VIE type

③连接螺纹尺寸/connection thread dimension: BBSP

④单向平衡阀/ The Single overcenter valves

⑤ 3油口/ 3 Ways

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V2 C2	Pil
		钢 /steel	铝 /aluminium			
VBCD-G1/4-SE-3VIE	20	350	210	4.5:1	G1/4	G1/4
VBCD-G3/8-SE-3VIE	40				G3/8	G1/4
VBCD-G1/2-SE-3VIE	60				G1/2	G1/4

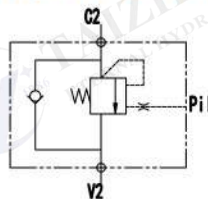
型号 /TYPE	L	L1	L2	L3	L4	H	S
VBCD-G1/4-SE-3VIE	110	150	20	50	25	60	30
VBCD-G3/8-SE-3VIE	110	150	20	50	25	60	30
VBCD-G1/2-SE-3VIE	110	150	20	50	25	65	35

应用/APPLICATIONS:

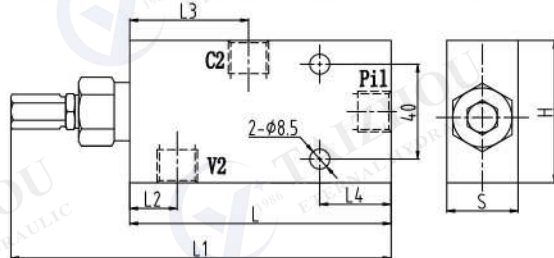
平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)

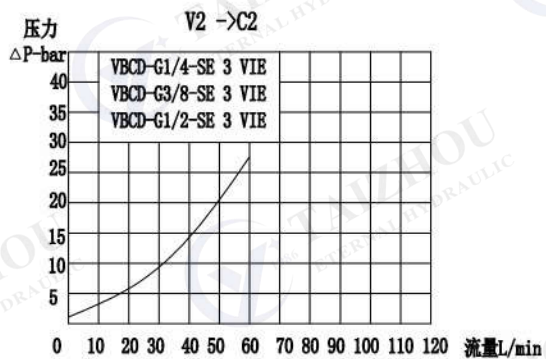
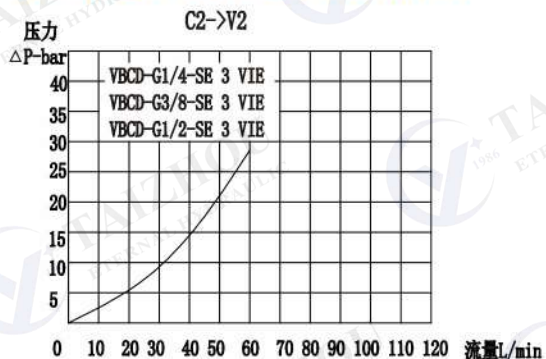
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



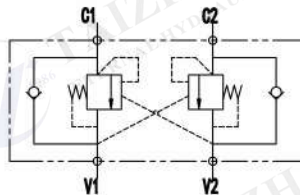
流量曲线图/FLOW DIAGRAM



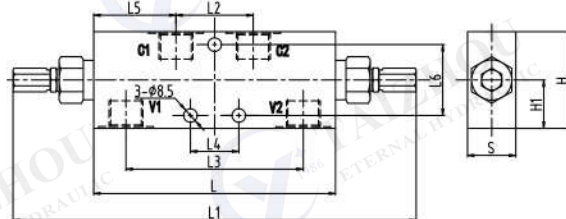
VBCD-DEA单向平衡阀 VBCD-DEA Single Overcenter Valves



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



① 材料/Material: A: 铝/aluminum 空白: 碳钢/Carbon steel

② 液控平衡阀系列代号/Overcenter valve series code: VBCD-DE A型/VBCD-DE A type

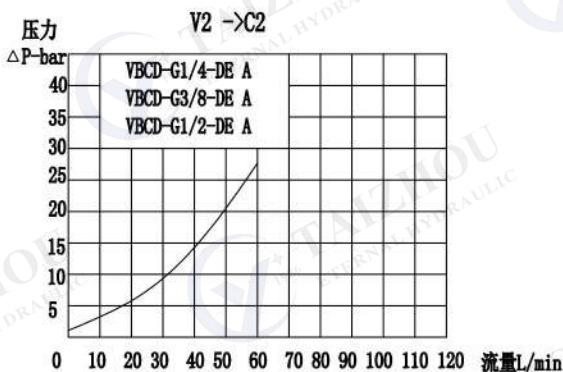
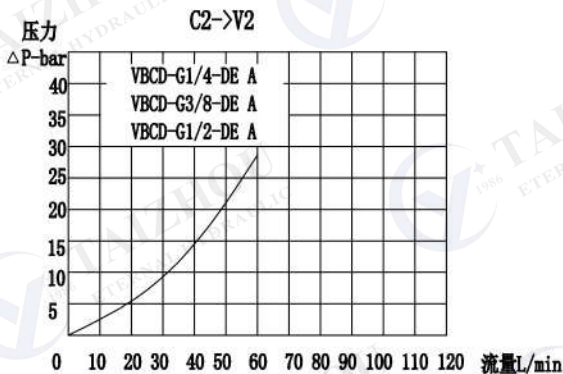
③ 连接螺纹尺寸/connection thread dimension: BBSP

④ 双向平衡阀/Double overcentre valves

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1-C2
		钢 /steel	铝 /aluminium		
VBCD-G1/4-DE A	20	350	210	4.5:1	G1/4
VBCD-G3/8-DE A	40				G3/8
VBCD-G1/2-DE A	60				G1/2

型号 /TYPE	L	L1	L2	L3	L4	L5	L6	H1	H	S
VBCD-G1/4-DE A	150	250	50	110	30	50	44	30	60	30
VBCD-G3/8-DE A	150	250	50	110	30	50	44	30	60	30
VBCD-G1/2-DE A	150	250	50	110	30	50	44	30	65	35

流量曲线图/FLOW DIAGRAM



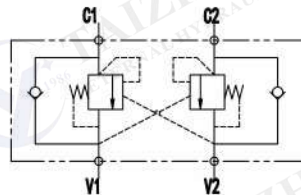
应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves) or in both the directions(dual overcenter valves)



图形符号/SYMBOL:

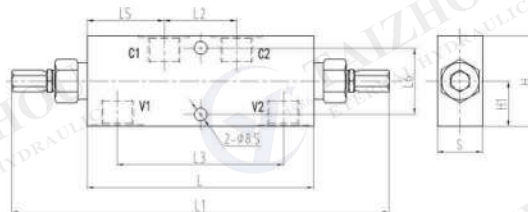


技术参数/TECHNICAL DATA:

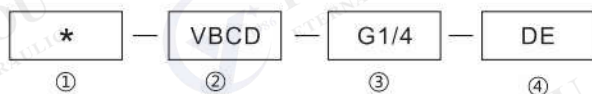
应用材料/MATERIAL EMPLOYED: 阀体/BODY: 钢/Steel; 阀芯/VALVES: 强化硬质钢/Hardened Steel; 密封/SEALS: 丁腈胶/NBR
 适用工作环境/OPERATIONAL RANGE: 安装/MOUNTING: 按需/as preferred

温度/TEMPERATURES: 理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C; 最高工作温度: +90°C/Max operating temperature +90°C; 最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:

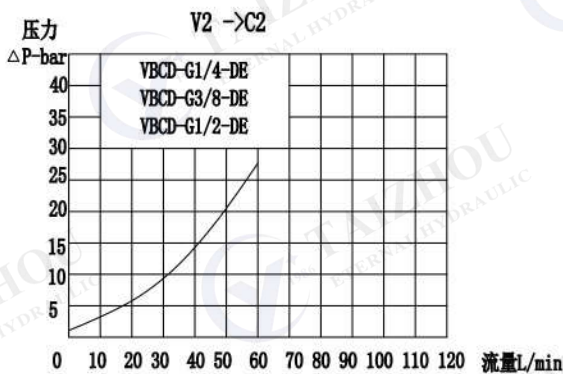
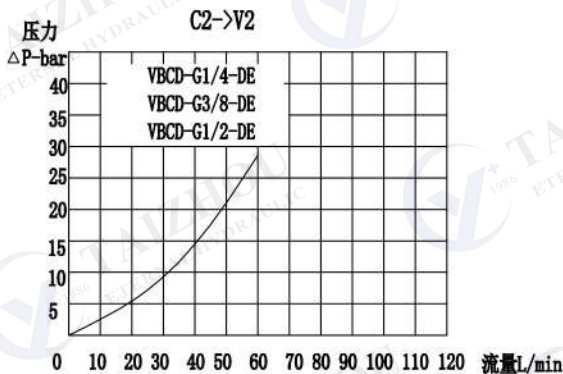


型号说明/MODEL CODE:



- ① 材料/Material: A: 铝/aluminum 空白: 碳钢/Carbon steel
- ② 液控平衡阀系列代号/Overcenter valve series code: VBCD-DE 型/VBCD-DE type
- ③ 连接螺纹尺寸/connection thread dimension: BBSPP
- ④ 双向平衡阀/Double overcentre valves

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1-C2
		钢 /steel	铝 /aluminium		
VBCD-G1/4-DE	20	350	210	4.5:1	G1/4
VBCD-G3/8-DE	40				G3/8
VBCD-G1/2-DE	60				G1/2

型号 /TYPE	L	L1	L2	L3	L4	L5	L6	H1	H	S
VBCD-G1/4-DE	150	250	50	110	30	50	44	30	60	30
VBCD-G3/8-DE	150	250	50	110	30	50	44	30	60	30
VBCD-G1/2-DE	150	250	50	110	30	50	44	30	65	35

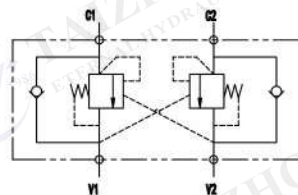
应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向 (单平衡) 或两个方向 (双平衡) 的停止和运动。

The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves).



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

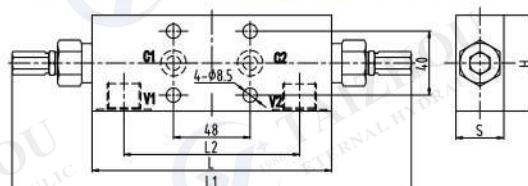
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

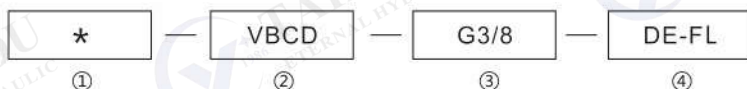
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



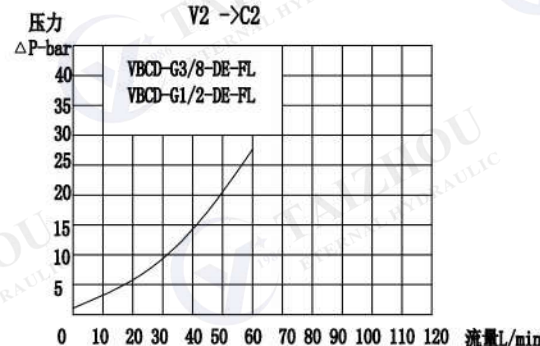
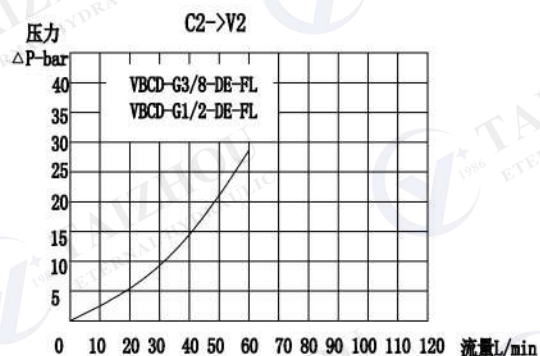
① 材料/Material: A: 铝/aluminum 空白: 碳钢/Carbon steel

② 液控双平衡阀系列代号/double overcenter valve series code: VBCD-DE-FL型/VBCD-DE-FL type

③ 连接螺纹尺寸/connection thread dimension: BBSP

④ 双向平衡阀法兰连接(板式连接)/double and flangeable: DE-FL

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2	C1-C2
		钢 /steel	铝 /aluminium			
VBCD-G3/8-DE-FL	40	350	210	4.5:1	G3/8	Φ9
VBCD-G1/2-DE-FL	60				G1/2	Φ9

型号 /TYPE	L	L1	L2	H	S	O-ring
VBCD-G3/8-DE-FL	150	250	110	60	30	10.78x2.62
VBCD-G1/2-DE-FL	150	250	110	65	35	10.78x2.62

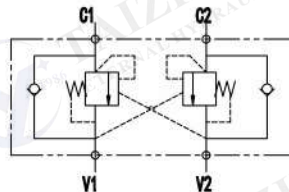
应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

The over-center valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

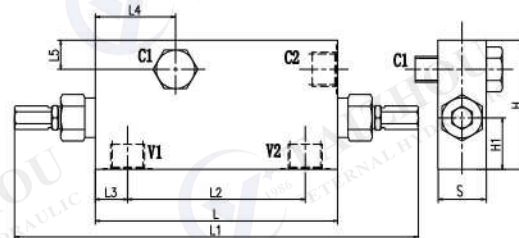
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

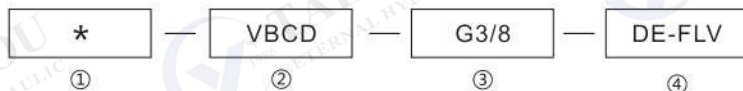
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



① 材料/Material: A: 铝/aluminum 空白: 碳钢/Carbon steel

② 液控平衡阀系列代号/ Overcenter valve series code: VBCD-DE-FLV型/VBCD-DE-FLV type

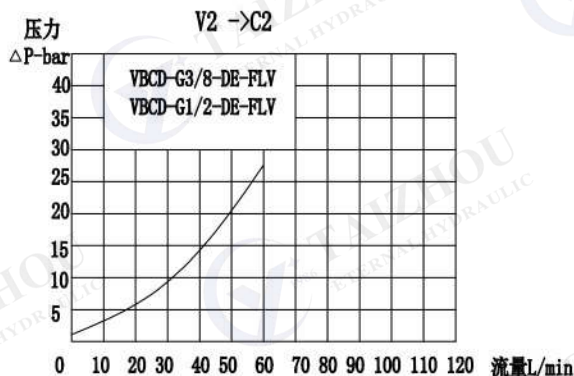
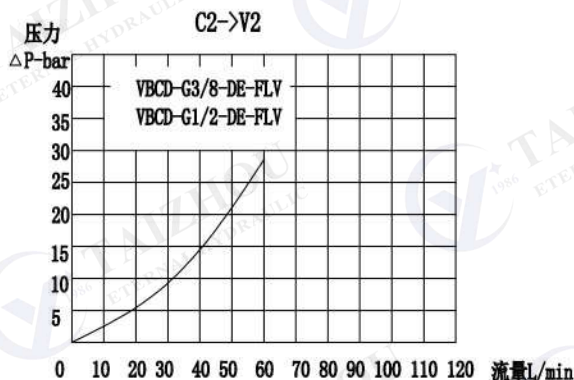
③ 连接螺纹尺寸/connection thread dimension: BBSP

④ 双向平衡阀、法兰螺钉连接/double overcenter valve flangeable by screw: DE-FLV

型号 /TYPE	最大流量 (L/min)	最大压力 (bar)		先导比 (pilot ratio)	V1-V2 C1-C2
		钢 /steel	铝 /aluminium		
VBCD-G3/8-DE-FLV	40	350	210	4.5:1	G3/8
VBCD-G1/2-DE-FLV	60				G1/2

型号/TYPE	L	L1	L2	L3	L4	L5	H1	H	S
VBCD-G3/8-DE-FLV	150	250	110	20	50	12.5	30	70	30
VBCD-G1/2-DE-FLV	150	250	110	20	50	18	32	80	30

流量曲线图/FLOW DIAGRAM



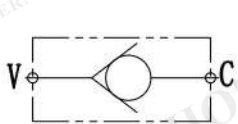
应用/APPLICATIONS:

平衡阀是用来控制执行机构在一个方向(单平衡)或两个方向(双平衡)的停止和运动。

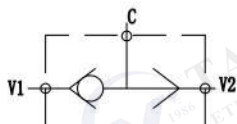
The overcenter valves are employed to control the block and the motion of an actuators in one direction(single overcenter valves)or in both the directions(dual overcenter valves)

单向阀、梭阀、节流阀

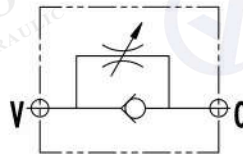
CHECK VALVES, SHUTTLE VALVES, FLOW RESTRICTOR VALVES



单向阀
Check valves



梭阀
Shuttle Valves



单向节流阀
Flow restrictor with check valve



双向节流阀
Bi-directional flow restrictor

单向阀：

该阀可以使液压油在一个方向上自由流通，而在反向时被阻断。

梭阀：

这是一种三通阀，它比较来自油路V1和V2的两路输入压力信号，然后将其中的高压信号通过C口引出。

节流阀：

在进油口和出油口之间可产生压降。该阀没有压力补偿，因而调节流量可以改变压力和液压油粘度的关系。

Check valves:

These valves allow free flow in a direction and stop it in the opposite direction.

Shuttle Valves:

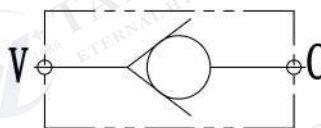
There are three-ways valves, which detect the higher pressure signal between 2 input signals.

Flow restrictor:

The flow restrictor valves are able to produce a pressure drop between inlet and outlet. They are not pressure compensated so the regulated flow can change in function of the pressure and of the viscosity.



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢体/Steel

阀芯/VALVES: 硬质钢/Hardened Steel

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

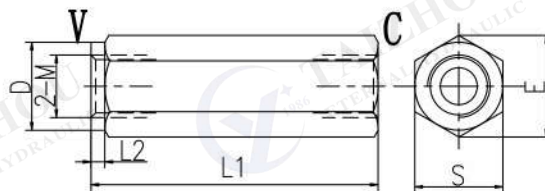
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

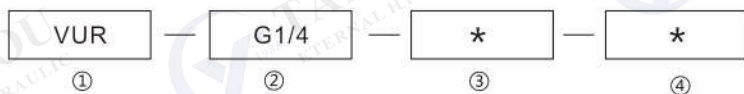
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



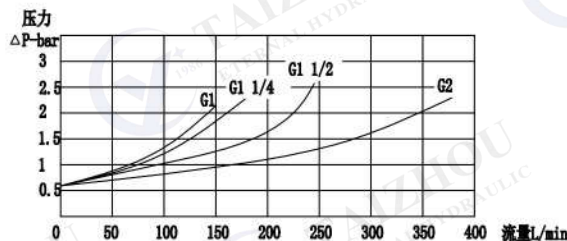
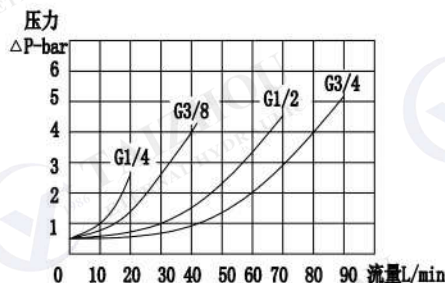
① 单向阀系列代号/check valve series code: VUR直通型/VUR through-type

② 连接螺纹尺寸/connection thread dimension: 1=BSP, 2=NPTF

③ 开启压力/opening pressure: 0=不装弹簧/Without thread 0.5=0.5bar 1.5=1.5bar 3=3bar 5=5bar

④ 表面处理/Surface treatment: 1=三价铬/Trivalent chromium

流量曲线图/FLOW DIAGRAM



型号 /TYPE	DN (mm)	最大流量 (L/min)	PN (Bar)	尺寸 /DIMENSION				
				L1	L2	E	S	D
VUR-G1/4-*	8	30	500	62	3	21.5	19	19
VUR-G3/8-*	10	45	500	68	3	27.5	24	24
VUR-G1/2-*	12	70	500	77	3	34.5	30	30
VUR-G3/4-*	16	110	400	88	3	41.5	36	36
VUR-G1-*	20	160	350	105	3	47	41	41
VUR-G1 1/4-*	25	210	350	130	3	63	55	55
VUR-G1 1/2-*	30	320	350	138	3	75	65	65
VUR-G2-*	40	460	250	160	3	92	80	80

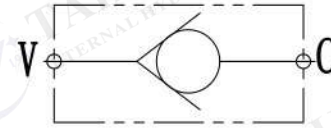
注: M处连接螺纹可以根据客户的要求来进行设计
NOTE: M can be designe according to customer requireme-nts

应用/APPLICATIONS:

压力作用下使得流体从V流向C, 而液体从C向V流动时则被反向密封, 油液无法通过/Under pressure so that the fluid flow from the V to C, and the flow from C to V and blocked in the reverse direction.



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

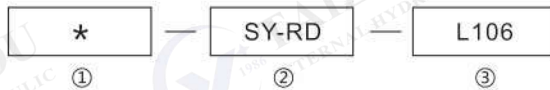
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:

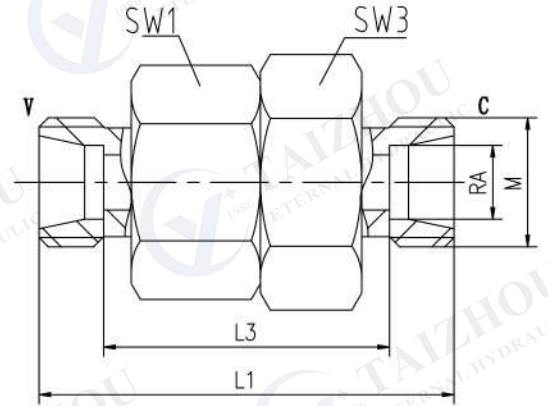


①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②单向阀系列代号/check valve series code: SY-RD型/SY-RD type

③连接螺纹尺寸/connection thread dimension: LR, SR螺纹, 进出口都为LR, SR螺纹/LR, SR thread, and both of the oil inlet and outlet are LR, SR thread

外形尺寸/OVER DIMENSION:



应用/APPLICATIONS:

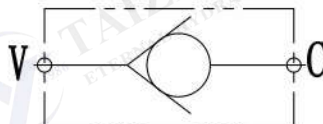
压力作用下使得流体从V流向C, 而液体从C向V流动时则被反向密封, 油液无法通过/Under pressure so that the fluid flow from the V to C, and the flow from C to V and blocked in the reverse direction.

连接口略图	系列	型号	压力 (bar)	管径 (RA)	L1	L3	SW1	SW2	SW3	M
	轻系列L	SY-RD-L06	315	6	43	29	17	14	19	M12x1.5
		SY-RD-L08		8	44	30	22	17	24	M14x1.5
		SY-RD-L10		10	55.5	40.5	24	19	27	M16x1.5
		SY-RD-L12		12	58.5	43.5	27	22	32	M18x1.5
		SY-RD-L15		15	62.5	47.5	32	27	36	M22x1.5
		SY-RD-L18	250	18	66.5	51.5	38	32	41	M26x1.5
		SY-RD-L22		22	76.5	61.5	46	36	50	M30x2
		SY-RD-L28		28	88.5	69.5	55	41	60	M36x2
		SY-RD-L35		35	93.5	74.5	65	50	70	M45x2
SY-RD-L42	42	95	74	65	60	70	M52x2			
	重系列S	SY-RD-S06	400	6	48.5	34.5	17	17	19	M14x1.5
		SY-RD-S08		8	48.5	34.5	17	19	19	M16x1.5
		SY-RD-S10		10	55.5	40.5	22	22	24	M18x1.5
		SY-RD-S12		12	57.5	42.5	24	24	27	M20x1.5
		SY-RD-S14	315	14	63.5	47.5	27	27	32	M22x1.5
		SY-RD-S16		16	68.5	50.5	32	30	36	M24x1.5
		SY-RD-S20		20	74.5	54.5	38	36	41	M30x2
		SY-RD-S25	250	25	81.5	58.5	46	46	50	M36x2
		SY-RD-S30		30	92.5	69.5	55	55	60	M42x2
		SY-RD-S38		38	98.5	75.5	65	65	70	M52x2

说明: 开启压力为0.3Mpa/NOTE:the pressure of opening is 0.3Mpa



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢体/Steel

阀芯/VALVES: 硬质钢/Hardened Steel

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

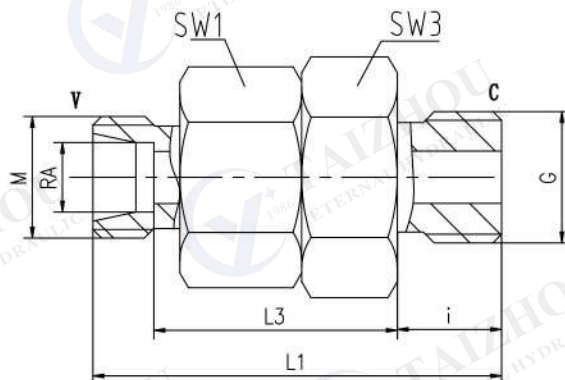
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°Cand+70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②单向阀系列代号/check valve series code: SY-RZ型/SY-RZ type

③连接螺纹尺寸/connection thread dimension: LR: SR; G螺纹, 进口为LR, SR螺纹, 出口为G螺纹/LR; SR; G thread, The oil inlet is LR, SR thread, the oil outlet is G thread.

应用/APPLICATIONS:

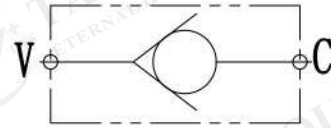
压力作用下使得流体从V流向C, 而液体从C向V流动时则被反向密封, 油液无法通过/Under pressure so that the fluid flow from the V to C, and the flow from C to V and blocked in the reverse direction.

连接口略图	系列	型号	压力 (bar)	管径 (RA)	G	L1	L3	d	i	SW1	SW2	SW3	M
	轻系列	SY-RZ-L06G1/8WD	315	6	G1/8	58	26.5	14	8	14	19	17	M12x1.5
		SY-RZ-L08G1/4WD		8	G1/4	60.5	28.5	19	12	17	24	22	M14x1.5
		SY-RZ-L10G1/4WD		10	G1/4	72	38.5	19	12	19	27	24	M16x1.5
		SY-RZ-L12G3/8WD		12	G3/8	74	40.5	22	12	22	32	27	M18x1.5
		SY-RZ-L15G1/2WD	15	G1/2	80.5	42.5	27	14	27	36	32	M22x1.5	
		SY-RZ-L18G1/2WD	18	G1/2	87.5	48	27	14	32	41	38	M26x1.5	
		SY-RZ-L22G3/4WD	22	G3/4	97	56	32	16	36	50	46	M30x2	
		SY-RZ-L28G1WD	28	G1	108.5	64	40	18	41	60	55	M36x2	
		SY-RZ-L35G1 1/4WD	35	G1 1/4	121	70	50	20	50	70	65	M45x2	
		SY-RZ-L42G1 1/2WD	42	G1 1/2	122.5	70.5	55	22	60	70	65	M52x2	
	重系列S	SY-RZ-S06G1/4WD	400	6	G1/4	63.5	31.5	19	12	17	19	17	M14x1.5
		SY-RZ-S08G1/4WD		8	G1/4	63.5	31.5	19	12	19	19	17	M16x1.5
		SY-RZ-S10G3/8WD	10	G3/8	71.5	38	22	12	22	24	22	M18x1.5	
		SY-RZ-S12G3/8WD	12	G3/8	74.5	41	22	12	24	27	24	M20x1.5	
		SY-RZ-S14G1/2WD	14	G1/2	83.5	43.5	27	14	27	32	27	M22x1.5	
		SY-RZ-S16G1/2WD	16	G1/2	86.5	46	27	14	30	36	32	M24x1.5	
		SY-RZ-S20G3/4WD	20	G3/4	97	50	32	16	36	41	38	M30x2	
		SY-RZ-S25G1WD	25	G1	108	54.5	40	18	46	50	46	M36x2	
		SY-RZ-S30G1 1/4WD	30	G1 1/4	121.5	64	50	20	50	60	55	M42x2	
		SY-RZ-S38G1 1/2WD	28	G1 1/2	135.5	71.5	55	22	60	70	65	M52x2	

说明: 开启压力为0.3Mpa/NOTE:the pressure of opening is 0.3Mpa



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢体/Steel

阀芯/VALVES: 硬质钢/Hardened Steel

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

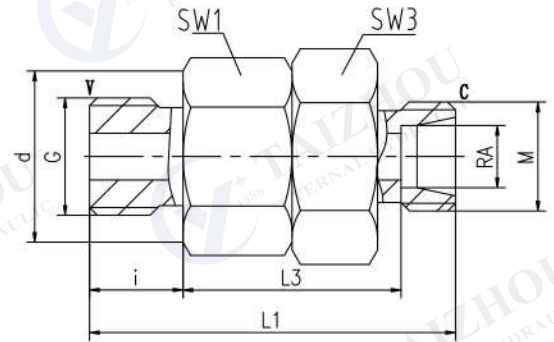
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

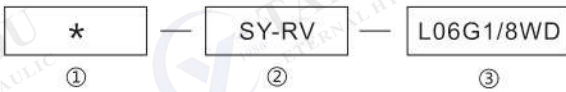
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②单向阀系列代号/check valve series code: SY-RV型/SY-RV type

③连接螺纹尺寸/connection thread dimension: LR; SR; G螺纹, 进口口为G螺纹, 出口口为LR, SR螺纹/LR; SR; G thread, The oil inlet is G thread, the oil outlet is LR, SR thread.

应用/APPLICATIONS:

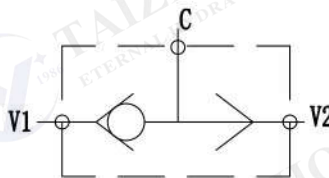
压力作用下使得流体从V流向C, 而液体从C向V流动时则被反向密封, 油液无法通过/Under pressure so that the fluid flow from the V to C, and the flow from C to V and blocked in the reverse direction.

连接口略图	系列	型号	压力 (bar)	管径 (RA)	G	L1	L3	d	i	SW1	SW2	SW3	M
	轻系列L	SY-RV-L06G1/8WD	315	6	G1/8	43	28	14	8	19	14	17	M12x1.5
		SY-RV-L08G1/4WD		8	G1/4	49	30	19	12	24	17	22	M14x1.5
		SY-RV-L10G1/4WD		10	G1/4	58	38.5	19	12	27	19	24	M16x1.5
		SY-RV-L12G3/8WD		12	G3/8	62	42.5	22	12	32	22	27	M18x1.5
		SY-RV-L15G1/2WD		15	G1/2	70	48.5	27	14	36	27	32	M22x1.5
		SY-RV-L18G1/2WD		18	G1/2	71.5	50	27	14	41	32	38	M26x1.5
		SY-RV-L22G3/4WD		22	G3/4	78.5	55	32	16	50	36	48	M30x2
		SY-RV-L28G1WD		28	G1	90.5	63	40	18	60	41	55	M36x2
		SY-RV-L35G1 1/4WD		35	G1 1/4	98.5	69	50	20	70	50	65	M45x2
		SY-RV-L42G1 1/2WD		42	G1 1/2	101.5	69	55	22	70	60	65	M52x2
	重系列S	SY-RV-S06G1/4WD	400	6	G1/4	50.5	31.5	19	12	19	17	19	M14x1.5
		SY-RV-S08G1/4WD		8	G1/4	50.5	31.5	19	12	19	19	19	M16x1.5
		SY-RV-S10G3/8WD		10	G3/8	57.5	38	22	12	24	22	22	M18x1.5
		SY-RV-S12G3/8WD		12	G3/8	60.5	41	22	12	27	24	24	M20x1.5
		SY-RV-S14G1/2WD		14	G1/2	66.5	44.5	27	14	32	27	27	M22x1.5
		SY-RV-S16G1/2WD		16	G1/2	70	48	27	14	36	30	30	M24x1.5
		SY-RV-S20G3/4WD		20	G3/4	78	52	32	16	41	36	36	M30x2
		SY-RV-S25G1WD		25	G1	84	54.5	40	18	50	46	46	M36x2
		SY-RV-S30G1 1/4WD		30	G1 1/4	95.5	64	50	20	60	50	50	M42x2
		SY-RV-S38G1 1/2WD		28	G1 1/2	103	69.5	55	22	70	60	60	M52x2

说明: 开启压力为0.3Mpa/NOTE: the pressure of opening is 0.3Mpa



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 钢/Steel

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

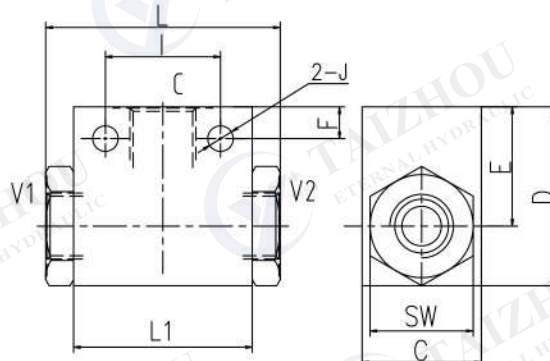
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②梭阀系列代号/shuttle valve series code: VUSF型/VUSF type

③连接螺纹尺寸/connection thread dimension: BBSP

型号 /TYPE	最大压力 (bar)	最大流量 (L/min)	DN (mm)	L	L1	C	D	E	F	G	I	J	SW
VUSF-G1/4	350	20	6	48	36	25	35	22.5	7.5	G1/4	25	5.5	22
VUSF-G3/8	350	45	10	59	45	30	45	30	8	G3/8	29	6.5	27
VUSF-G1/2	350	80	13	90	57	35	50	32.5	8.5	G1/2	36	6.5	32
VUSF-G3/4	350	110	20	113	62	45	60	37	6.5	G3/4	50	8.5	41
VUSF-G1	350	150	25	120	80	50	80	54.5	11	G1	60	10.5	46

应用/APPLICATIONS:

梭阀相当于两个单向阀组合的阀，其作用相当于“或门”。这是一种三通阀，它比较来自油路V1和V2的两路输入压力信号，然后将其中的高压信号通过X口引出。

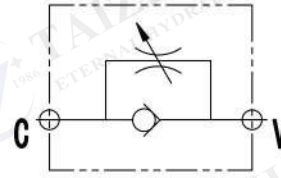
/The shuttle valve is equivalent to two check valve combination valve, and its role is equivalent to "OR gate". There are 3 ways valves, which detect the higher pressure signal between 2 input signal.

VURF 单向节流阀

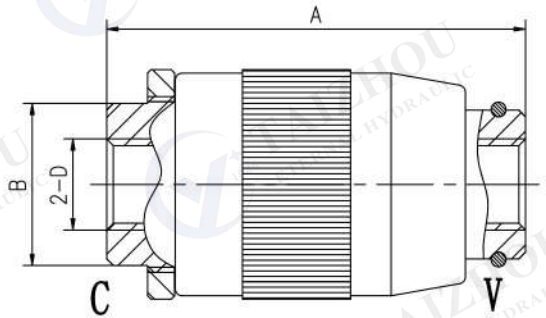
VURF Flow Restrictor With Check Valves



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②节流阀系列代号/Bidirectional flow control valves series code: VURF型/VURF type

③连接螺纹尺寸/connection thread dimension: BBSP

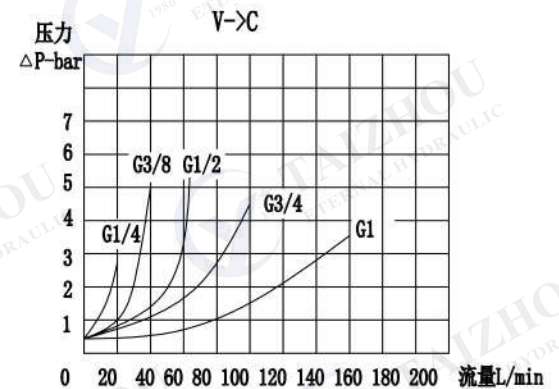
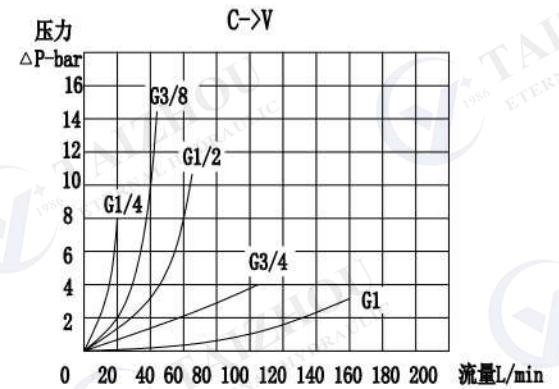
型号 /TYPE	D	最大流量 (L/min)	最大压力 (bar)	A	B	开启压力 (cracking pressure)(bar)
VURF-G1/4	G1/4	12	320	62	21	0.5
VURF-G3/8	G3/8	30	320	78	26	0.5
VURF-G1/2	G1/2	50	320	80	30	0.5
VURF-G3/4	G3/4	85	280	100	36	0.5
VURF-G1	G1	120	250	118	41	0.5

注:D处连接螺纹可以根据客户的要求来进行设计
NOTE:D can be designed according to customer requirements

应用/APPLICATIONS:

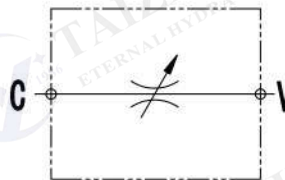
节流阀在进口和出口之间可产生压降。该阀没有压力补偿,因而调节流量可以改变压力和液压油粘度的关系。/The flow restrictor valves are able to produce a pressure drop between inlet and outlet.They are not pressure compensated so the regulated flow can change in function of the pressure and of the viscosity.

流量曲线图/FLOW DIAGRAM





图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

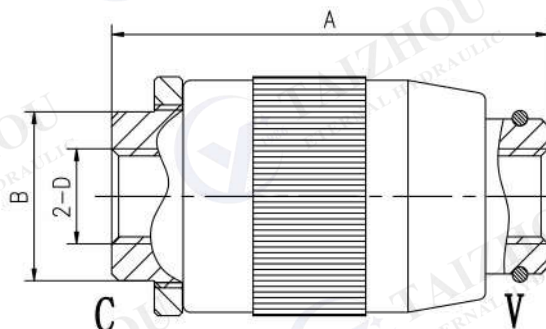
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:

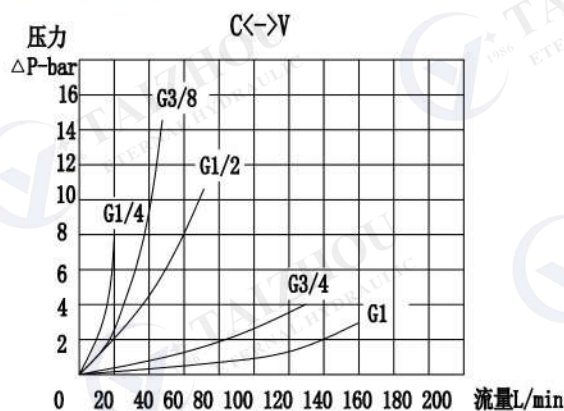


①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②节流阀系列代号/Bidirectional flow control valves series code: VBRF型/VBRF type

③连接螺纹尺寸/connection thread dimension: BBSP

流量曲线图/FLOW DIAGRAM



型号 /TYPE	D	最大流量 (L/min)	最大压力 (bar)	A	B
VBRF-G1/4	G1/4	12	320	62	21
VBRF-G3/8	G3/8	30	320	78	26
VBRF-G1/2	G1/2	50	320	80	30
VBRF-G3/4	G3/4	85	280	100	36
VBRF-G1	G1	120	250	118	41

注:D处连接螺纹可以根据客户的要求来进行设计
NOTE:D can be designed according to customer requirements

应用/APPLICATIONS:

节流阀在进油口和出油口之间可产生压降。该阀没有压力补偿,因而调节流量可以改变压力和液压油粘度的关系。/The flow restrictor valves are able to produce a pressure drop between inlet and outlet.They are not pressure compensated so the regulated flow can change in function of the pressure and of the viscosity.

STU 单向节流阀 STU Flow Restrictor With Check Valves



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



- ①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel
 ②节流阀系列代号/Bidirectional flow control valves series code: STU型/STU type
 ③连接螺纹尺寸/connection thread dimension: BBSP

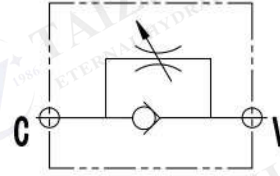
型号 /TYPE	C	最大流量 (L/min)	最大压力 (bar)	A	B	D	E	F	G	H
STU-G1/4	G1/4	12	400	73	72	32	20	M20x1	5	7
STU-G3/8	G3/8	30	400	82	80	32	25	M25x1.5	9	7
STU-G1/2	G1/2	50	400	98	92	45	30	M30x1.5	9	9
STU-G3/4	G3/4	85	400	112	100	45	40	M35x1.5	10	11
STU-G1	G1	150	320	142	122	45	45	M40x1.5	12	15

注: 1) F*处压紧螺母需另行订购。2) C处连接螺纹可以根据客户的要求来进行设计
 Note: 1) The impacted nut at F should be purchased by another way.
 2) C can be designed according to customer requirements

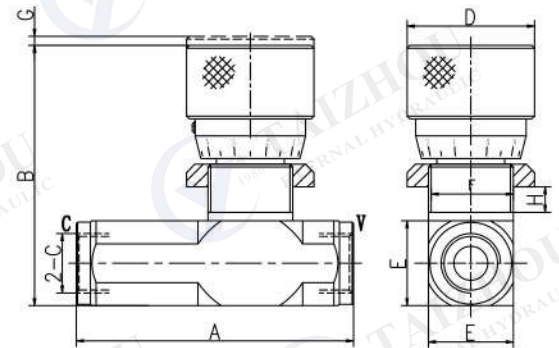
应用/APPLICATIONS:

节流阀在进口和出口之间可产生压降。该阀没有压力补偿, 因而调节流量可以改变压力和液压油粘度的关系。/The flow restrictor valves are able to produce a pressure drop between inlet and outlet. They are not pressure compensated so the regulated flow can change in function of the pressure and of the viscosity.

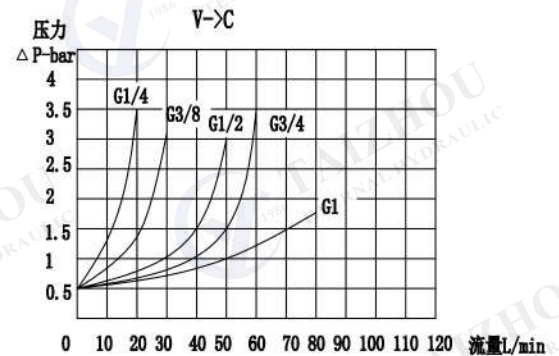
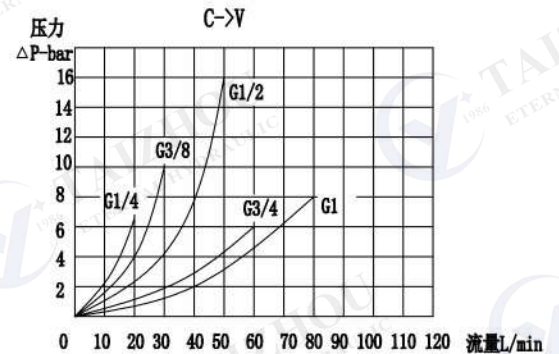
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:

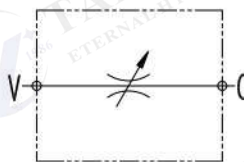


流量曲线图/FLOW DIAGRAM





图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

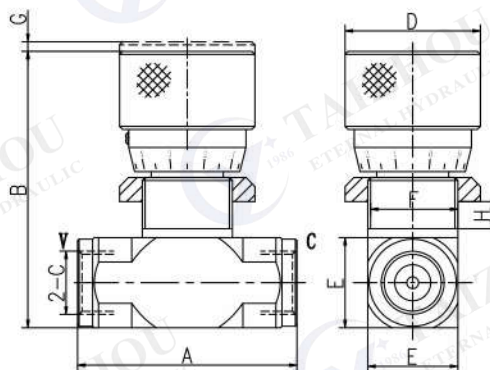
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

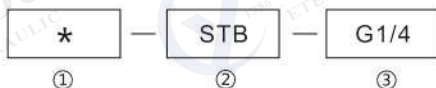
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:

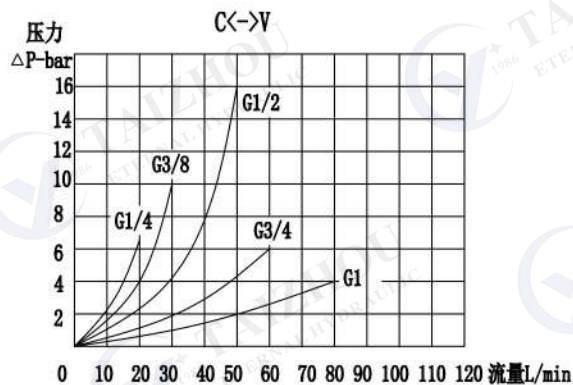


①材料/Material: SS: 不锈钢/Stainless steel 空白: 碳钢/Carbon steel

②节流阀系列代号/Bidirectional flow control valves series code: STB型/STB type

③连接螺纹尺寸/connection thread dimension: BBSP, NPT, UNF

流量曲线图/FLOW DIAGRAM



型号 /TYPE	C	最大流量 (L/min)	最大压力 (bar)	A	B	D	E	F	G	H
STB-G1/4	G1/4	12	400	54	72	32	20	M20x1	5	7
STB-G3/8	G3/8	30	400	62	80	32	25	M25x1.5	9	7
STB-G1/2	G1/2	50	400	73	92	45	30	M30x1.5	9	9
STB-G3/4	G3/4	85	400	84	100	45	40	M35x1.5	10	11
STB-G1	G1	150	320	102	122	45	45	M40x1.5	12	15

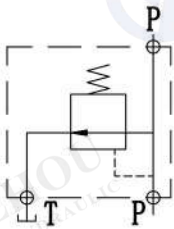
注: 1) F*处压紧螺母需另行订购。2) C处连接螺纹可以根据客户的要求来进行设计
 Note: 1) The impacted nut at F should be purchased by another way.
 2) C can be designed according to customer requirements

应用/APPLICATIONS:

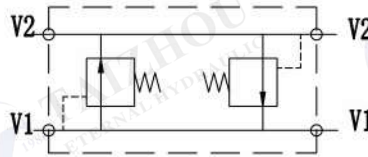
节流阀在进油口和出口之间可产生压降。该阀没有压力补偿, 因而调节流量可以改变压力和液压油粘度的关系。/The flow restrictor valves are able to produce a pressure drop between inlet and outlet. They are not pressure compensated so the regulated flow can change in function of the pressure and of the viscosity.

其他类型阀

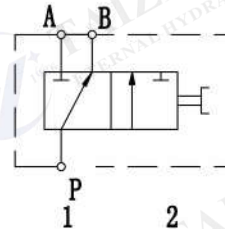
OTHER VALVE TYPES



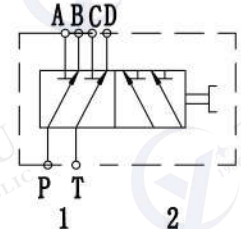
VMP 溢流阀
VMP LIGHT RELIEF VALVE



VAU 双向溢流阀
DUAL CROSS RELIEF VALVE



DF3 转阀
DF 3-WAYS DIVERTER VALVE



DF6 转阀
DF 6-WAYS DIVERTER VALVE

转阀：是一种通过旋转手柄旋转90度使阀从开位变化至关位的调节阀，起到对液压油路的控制进而控制液压执行机构（油缸、马达）的对应动作。

溢流阀：液压系统中主要起定压溢流作用，稳压，系统卸荷和安全保护作用。

双向溢流阀：双向过载保护以防止执行机构过载的一种阀。

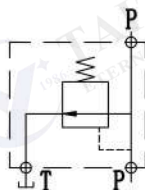
Diverting valve: the adjustable valve is controlled by the rotary handle by rotating 90 degrees to make according action of hydraulic part, like Cylinder and Motor.

Relief valve: In the main role of pressure relief, pressure regulator, system unloading and safety protection.

Dual relief valve: To prevent the overload of the actuator.



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

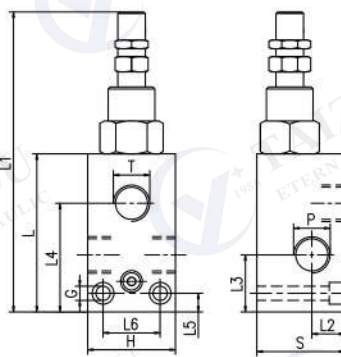
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

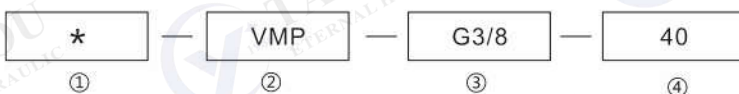
最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:

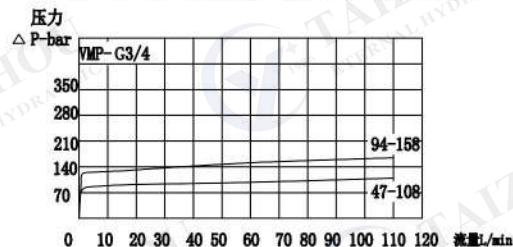
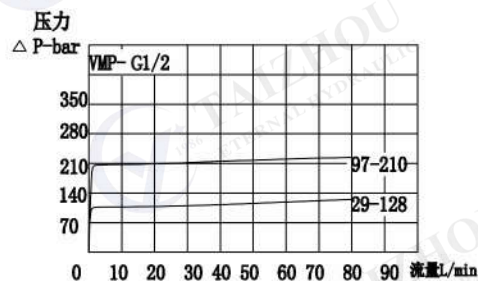
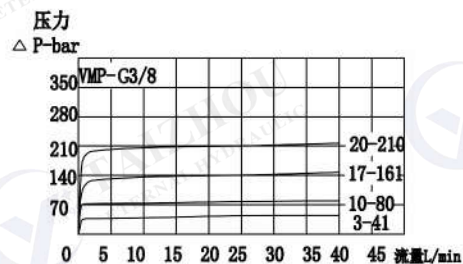


型号说明/MODEL CODE:



- ① 材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ② 溢流阀系列代号/relief valves series code: VMP型/VMP type
- ③ 连接螺纹尺寸/connection thread dimension: BBSP
- ④ 流量代号/flow code: 40, 70, 110

流量曲线图/FLOW DIAGRAM



型号 /TYPE	最大流量 (L/min)	P-T	L	L1	L2	L3	L4	L5	L6	G	H	S
VMP-G3/8	40	G3/8	72	134	15	26	49.5	8.5	26	6.5	40	40
VMP-G1/2	70	G1/2	77	139	17.5	29.5	54	8.5	30	6.5	45	45
VMP-G3/4	110	G3/4	92	154	17.5	35	68	10	32	8.5	50	50

注: 连接螺纹可以根据客户的要求来进行设计
NOTE: Thread can be designed according to customer requirements.

型号 /TYPE	弹簧规格 /SPRINGS		
	调压范围 / Press range (bar)	每转压力增量 / Press increase (bar/turn)	标准设定压力 /Standard setting (bar)
VMP-G3/8	3-41	20	207
	10-80	40	207
	17-161	80	207
	20-210	120	207
VMP-G1/2	29-128	29	120
	97-210	50	200
VMP-G3/4	47-107	47	79
	94-158	58	125

应用/APPLICATIONS:

连接回路中的端口压力P和油箱口T, 端口P是可逆的。主要是用来控制回路中的流量和压力。

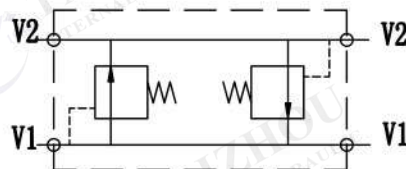
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

The circuit is used to control flow and pressure.

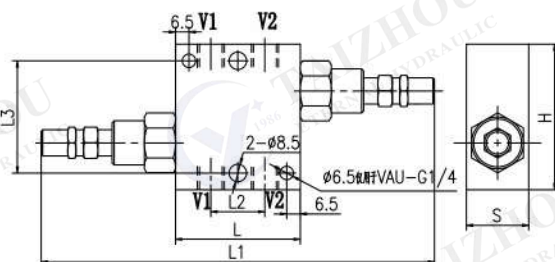
VAU 双向溢流阀 Dual Cross Relief Valve



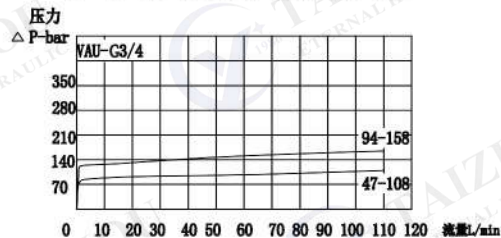
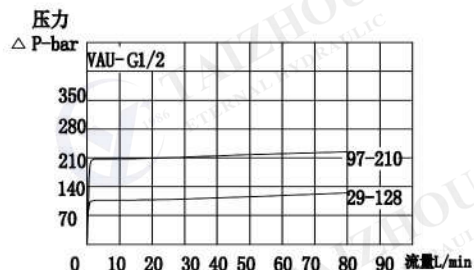
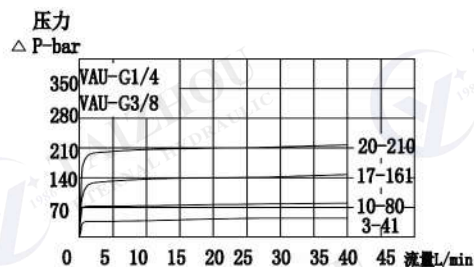
图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



流量曲线图/FLOW DIAGRAM



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

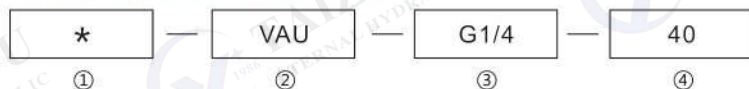
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



①材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel

②溢流阀系列代号/relief valves series code: VAU型/VAU type

③连接螺纹尺寸/connection thread dimension: BBSPP

④流量代号/flow code: 40、70、110

型号 /TYPE	最大流量 (L/min)	V1-V2	L	L1	L2	L3	H	S
VAU-G1/4	40	G1/4	60	158	26	54	70	30
VAU-G3/8	40	G3/8	80	178	33	54	70	30
VAU-G1/2	70	G1/2	80	204	38	54	70	30
VAU-G3/4	110	G3/4	95	219	44	54	70	35

注: 连接螺纹可以根据客户的要求来进行设计
NOTE: Thread can be designed according to customer requirements.

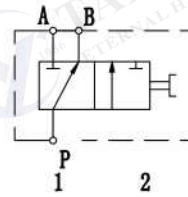
型号 /TYPE	弹簧规格 /SPRINGS		
	调压范围 / Press range (bar)	每转压力增量 / Press increase(bar/turn)	标准设定压力 /Standard setting(bar)
VAU-G1/4 VAU-G3/8	3-41	20	207
	10-80	40	207
	17-161	80	207
VAU-G1/2	20-210	120	207
	29-128	29	120
VAU-G3/4	97-210	50	200
	47-107	47	79
	94-158	58	125

应用/APPLICATIONS:

将V1和V2同压力流量或者驱动马达相连接,反之其端口也为V1和V2。安装时建议根据执行元件进行选择,避免压力下降的发生/Connect V1 and V2 to the pressure flow or to the actuator/hydraulic motor. Vice versa for the remaining ports V1 and V2. Mounting by the actuator is highly recommended in order to avoid pressure drops.



图形符号/SYMBOL:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

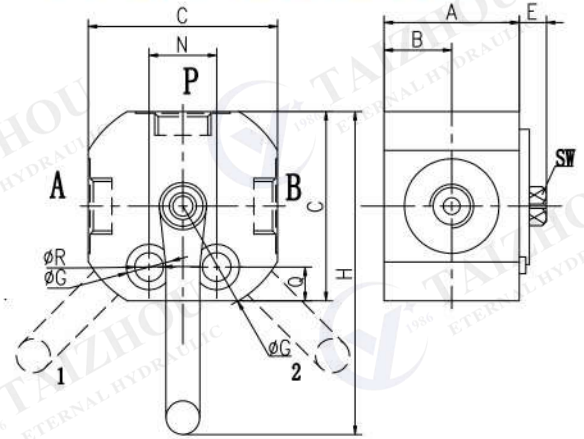
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/ Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/ Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/ Min/Max environment temps -20°C and +60°C

外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:



- ① 材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ② 转阀系列代号/diverter valves series code: DF3VIE型/DF3VIE type
- ③ 连接螺纹尺寸/connection thread dimension: BBSP
- ④ 流量代号/flow code: 20、35、60、10、180

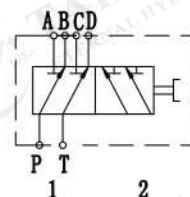
型号 /TYPE	最大 流量 (L/min)	最大 压力 (bar)	B/A/P	A	B	C	E	F	ΦG	H	L	LW	N	Q	ΦR	ΦS	SW
DF3VIE-G1/4	20	500	G1/4	33	15	55	16	49	62	110	15.5	6	26	10	8.5	13.5	9
DF3VIE-G3/8	35	500	G3/8	38	17.5	55	16	54	62	110	15.5	8	26	10	8.5	13.5	9
DF3VIE-G1/2	60	500	G1/2	43	20	60	16	59	67	110	17	11	32	11	10.5	13.5	9
DF3VIE-G3/4	100	500	G3/4	48	22.5	75	20.5	68.5	82	180	21	12	32	14	10.5	16.5	14
DF3VIE-G1	180	500	G1	53	25	85	20.5	73.5	97	180	21	16	32	14	10.5	16.5	14

应用/APPLICATIONS:

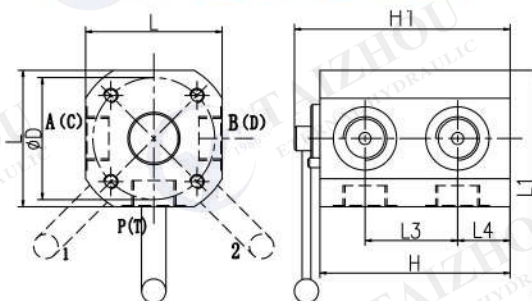
连接P到压力流量A和P的液压回路,当手柄杆在位置1中的时候,P和A端口相连;当手柄的杆位于中心位置时候,P、A和B都连接(开放中心)/Connect P to the pressure flow,A and P to the ports of the hydraulic circuit where flow has to be diverted. With lever in position 1 the flow is connected towards port A; With lever in central position ports P,A and B are all connected (open center)



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



技术参数/TECHNICAL DATA:

应用材料/MATERIAL EMPLOYED

阀体/BODY: 钢/Steel

阀芯/VALVES: 强化硬质钢/Hardened Steel

密封/SEALS: 丁腈胶/NBR

适用工作环境/OPERATIONAL RANGE

安装/MOUNTING

按需/as preferred

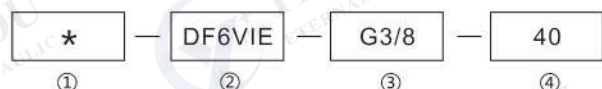
温度/TEMPERATURES

理想工作温度: +40°C~+70°C/Ideal operating range between +40°C and +70°C

最高工作温度: +90°C/Max operating temperature +90°C

最低/最高环境温度: -20°C~+60°C/Min/Max environment temps -20°C and +60°C

型号说明/MODEL CODE:



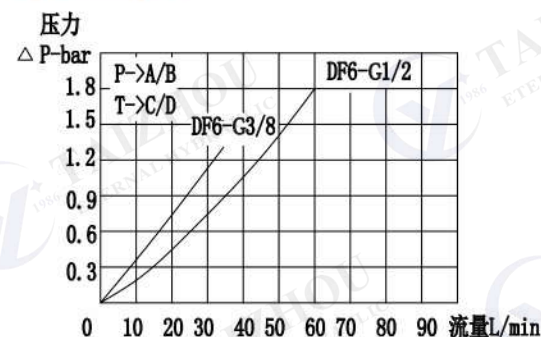
- ① 材料/Material: A: 铝/aluminium 空白: 碳钢/Carbon steel
- ② 转阀系列代号/diverter valves series code: DF6VIE型/DF6VIE type
- ③ 连接螺纹尺寸/connection thread dimension: BBSP
- ④ 流量代号/flow code: 40、60

型号 /TYPE	最大 流量 (L/min)	最大 压力 (bar)	A(B) C(D) P(T)	L	L3	L4	ΦD	H	H1	G
DF6VIE-G3/8	40	300	G3/8	55	32	25	47	74	96	M8
DF6VIE-G1/2	60	300	G1/2	60	37	27	47	83	105	M8

应用/APPLICATIONS:

连接P和T之间有两个压力流, 其中A和C连接到执行器的第一部分, B和D连接到执行器的第二部分。在使用的过程中, P与B相连, T和D相连的情况下, 手柄杆在正中央时不推荐使用。/Connect P to T to the 2 pressure flows, parts A and C to the first actuator and ports B and D to the second actuator. With lever in positive 1, P is connected to B and T to D. Use with lever in central positive is not recommended

流量曲线图/FLOW DIAGRAM



高压球阀

HIGH PRESSURE BALL VALVE



例1:

流速V=8m/s, 流量Q=150L/min, 如图所示, 连接这两个数值的直线, 与中间通径DN=20的数值相交。

We recommend to use the following oil rate as guide line:

- Suction pipes: 0.5 ... 0.8 m/sec
- Return pipes: 2 ... 4 m/sec
- Pressure pipes up to 10Mpa: 2 ... 4 m/sec
- Pressure pipes up to 50Mpa: 3 ... 12 m/sec

This diagram provides a guide for the determination of the nominal diameter(DN)

EXAMPLE 1:

A velocity V = 8m/sec
 And a flow rate of Q = 150L/min have been selected.
 The straight line linking these two values on the outer scales intersects
 The nominal diameter DN20 on the middle scale.

流量表/FLOW METER

下表是指水温在15度时, 球阀在打开位置时的流量。
 The following table is the water temperature at 15 degrees, the flow of the valve in the open position

公称通径DN(mm)	KV(m³/h)	CV(gal/min)
15	19.4	0.12
20	45.6	0.12
25	71.5	0.12
32	105	0.15
40	170	0.14
50	275	0.13
65	507	0.11
80	905	0.08
100	1414	0.08

流量系数KV遵循VDI/VDE2173, 表示温度5-30°C的水在0.1Mpa压降下一小时内流过阀的立方米数。

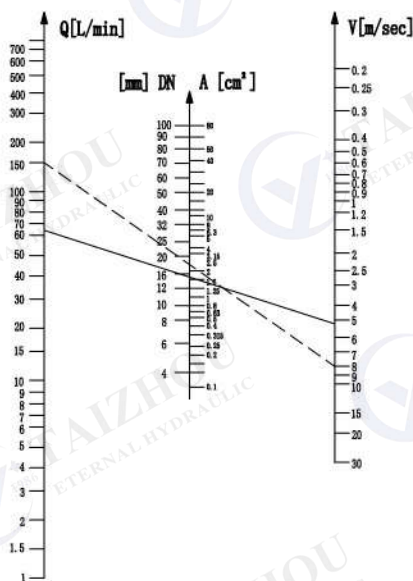
CV值为美国常用标准, 表示当阀门全开, 阀两端压差ΔP为1psi, 水温60°F时每分钟经过阀门的流量, 以加仑/分计。

Flow coefficient KV follow VDI / VDE 2173, it indicates the temperature of 5-30 °C in 0.1Mpa water pressure drop within the next hour flow through the valve in cubic meters.

CV is the United States with the usual standard indicates when the valve is fully open, the pressure differential across the valve Δ P is 1psi, when the water temperature is 60 °F per minute flow through the valve, in gallons / minute count.

球阀通径确认图

BALL VALVE PATH CONFIRMED DIAGRAM



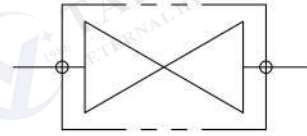
我们推荐您采用下列流速作为参考：

- 进油管： 0.5 ... 0.8 m/sec
- 回油管： 2 ... 4 m/sec
- 10Mpa以下压力管道： 2 ... 4 m/sec
- 50Mpa以下压力管道： 3 ... 12 m/sec

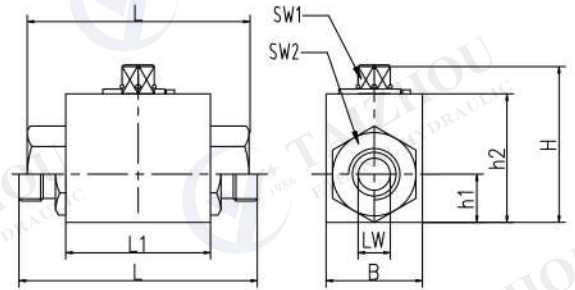
可以通过下表来计算球阀的通径：



图形符号/SYMBOL:



外形尺寸/OVER DIMENSION:



型号说明/MODEL CODE:

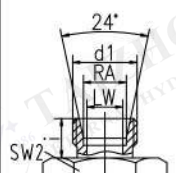
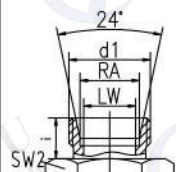
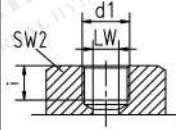


- ① 球阀系列代号/ball valve series code: BKH型/BKH type
- ② 连接螺纹尺寸/connection thread dimension: BBSP、NPT、L、S、JB984-77
- ③ 公称直径/nominal diameter: 4、6、8、10、13、16、20、25、32、40、50
- ④ 阀体和接头材料/body and joint material:
 - 1、45号钢 2、不锈钢304 3、不锈钢316
- ⑤ 球体和阀杆材料/ball and the valve stem material:
 - 1、45号钢 2、不锈钢304 3、不锈钢316
- ⑥ 球座密封材料/ball sealing material:
 - 2、POM/聚甲醛 3、PTFE/聚四氟乙烯
- ⑦ 阀杆和接头密封材料/valve stem and joint seal material:
 - 2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶

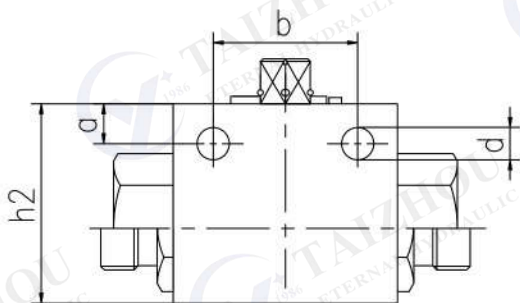
连接口略图	型号 /TYPE	最大压力 (bar)	DN (mm)	LW	RA	d1	i	L	L1	B	H	h1	h2	SW1	SW2
	BKH-M16x1.5	500	6	6	11	M16x1.5	11	69	40	26	45	14	33	9	22
	BKH-M22x1.5	500	8	8	16	M22x1.5	12	76	42	32	49	16	36	9	27
	BKH-M27x1.5	500	10	10	20	M27x1.5	12	76	42	32	49	16	36	9	27
	BKH-M30x1.5	400	16	15	24	M30x1.5	13	84	48	38	61	19	45	12	32
	BKH-M36x2	315	20	20	30	M36x2	15	103	60	48	70	25	55	14	41
	BKH-M42x2	315	25	25	35	M42x2	18	116	65	57	79	29	64	14	50
	BKH-M52x2	315	32	30	40	M52x2	20	149	84	75	101	38	84	17	60
	BKH-M60x2	315	40	38	45	M60x2	22	174	91	85	112	42	95	17	70
	BKH-G1/8	500	4	6	-	G1/8	14	69	40	25	45	14	33	9	22
	BKH-G1/4	500	6	6	-	G1/4	14	69	40	25	45	14	33	9	22
	BKH-G3/8	500	10	10	-	G3/8	14	72	42	32	49	16	36	9	27
	BKH-G1/2	500	13	12	-	G1/2	14	83	47	35	49	18	38	9	30
	BKH-G1/2	400	16	15	-	G1/2	16	83	48	38	61	19	45	9	32
	BKH-G3/4	315	20	20	-	G3/4	18	95	60	48	70	25	55	12	41
	BKH-G1	315	25	25	-	G1	21	113	65	57	79	29	64	12	50
	BKH-G1 1/4	315	32	32	-	G1 1/4	22	110	84	75	101	38	84	14	60
	BKH-G1 1/2	315	40	38	-	G1 1/2	24	130	91	85	112	43	95	14	70
	BKH-G2	315	50	48	-	G2	26	140	100	104	131	52	113	14	90

BKH 直通高压球阀

BKH Straight Ball Valve

连接口略图	型号 /TYPE	最大压力 (bar)	DN (mm)	LW	RA	d1	i	L	L1	B	H	h1	h2	SW1	SW2
	BKH-06LR	500	4	4	6	M12x1.5	10	67	40	26	45	14	33	9	22
	BKH-08LR	500	6	6	8	M14x1.5	10	67	40	26	45	14	33	9	22
	BKH-10LR	500	8	8	10	M16x1.5	11	74	42	32	49	16	36	9	27
	BKH-12LR	500	10	10	12	M18x1.5	11	74	42	32	49	16	36	9	27
	BKH-15LR	500	13	12	15	M22x1.5	13	82	47	35	53	18	38	9	30
	BKH-15LR	500	12	12	15	M22x1.5	12	82	48	38	61	19	45	9	32
	BKH-18LR	500	13	12	18	M26x1.5	13	82	47	35	53	18	38	9	30
	BKH-18LR	400	16	15	18	M26x1.5	12	82	48	38	61	19	45	9	32
	BKH-22LR	315	20	19	22	M30x2	14	101	60	48	70	25	55	9	41
	BKH-28LR	315	25	25	28	M36x2	14	108	65	57	79	29	64	12	50
	BKH-35LR	315	32	30	35	M45x2	16	141	84	75	101	38	84	14	60
	BKH-42LR	315	40	36	42	M52x2	16	162	91	85	112	43	95	14	70
	BKH-08SR	500	4	5	8	M16x1.5	12	73	40	26	45	14	33	9	22
	BKH-10SR	500	6	6	10	M18x1.5	12	73	40	26	45	14	33	9	22
	BKH-12SR	500	8	8	12	M20x1.5	12	76	42	32	49	16	36	9	27
	BKH-14SR	500	10	10	14	M22x1.5	14	80	42	32	49	16	36	9	27
	BKH-16SR	500	13	12	16	M24x1.5	14	86	47	35	53	18	38	9	30
	BKH-16SR	500	12	12	16	M24x1.5	14	86	48	38	61	19	45	9	32
	BKH-20SR	500	13	13	20	M30x2	16	90	47	35	53	18	38	9	30
	BKH-20SR	400	16	15	20	M30x2	16	90	48	38	61	19	45	9	32
	BKH-25SR	315	20	20	25	M36x2	18	109	60	48	70	25	55	12	41
	BKH-30SR	315	25	25	30	M42x2	20	120	65	57	79	29	64	12	50
BKH-38SR	315	32	30	38	M52x2	22	153	84	75	101	38	84	14	60	
	BKH-NPT1/8	500	4	6	-	NPT1/8	11	69	35	26	45	14	33	9	22
	BKH-NPT1/4	500	6	6	-	NPT1/4	11	69	35	26	45	14	33	9	22
	BKH-NPT3/8	500	10	10	-	NPT3/8	11	72	42	32	49	16	36	9	27
	BKH-NPT1/2	500	13	12	-	NPT1/2	14	83	47	35	49	18	38	9	30
	BKH-NPT1/2	400	16	15	-	NPT1/2	14	83	48	38	61	19	45	9	32
	BKH-NPT3/4	315	20	20	-	NPT3/4	18	95	60	48	70	25	55	12	41
	BKH-NPT1	315	25	25	-	NPT1	21	113	65	57	79	29	64	12	50
	BKH-NPT1 1/4	315	32	32	-	NPT1 1/4	22	110	84	75	101	38	84	14	60
	BKH-NPT1 1/2	315	40	38	-	NPT1 1/2	24	130	91	85	112	43	95	14	70
	BKH-NPT2	315	50	48	-	NPT2	26	140	100	104	113	53	113	14	90

侧面通孔定位图



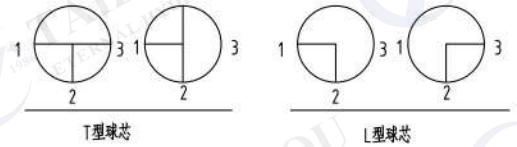
DN	h2	b	a	d
4-8	3	26	5	4.5
10	36	32	5	6.5
13	38	37.5	4.8	6.5
16	46	37.5	5	6.5
20	5	45	6.5	6.5
25	60	55	6	6.5

BK3 3通高压球阀

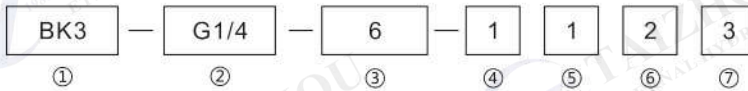
BK 3-Way Ball Valve



图形符号/SYMBOL:

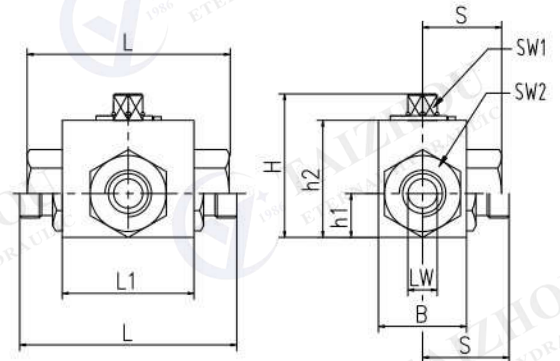


型号说明/MODEL CODE:



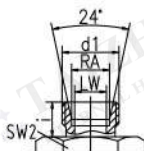
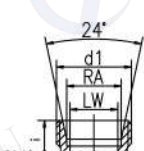
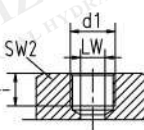
- ① 球阀系列代号/ball valve series code: BK3型/BK3 type
- ② 连接螺纹尺寸/connection thread dimension: BBSP、NPT、L、S、JB984-77
- ③ 公称直径/nominal diameter: 4、6、8、10、13、16、20、25、32、40、50
- ④ 阀体和接头材料/body and joint material:
1、45号钢 2、不锈钢304 3、不锈钢316
- ⑤ 球体和阀杆材料/ball and the valve stem material:
1、45号钢 2、不锈钢304 3、不锈钢316
- ⑥ 球座密封材料/ball sealing material:
2、POM/聚甲醛 3、PTFE/聚四氟乙烯
- ⑦ 阀杆和接头密封材料/valve stem and joint seal material:
2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶

外形尺寸/OVER DIMENSION:

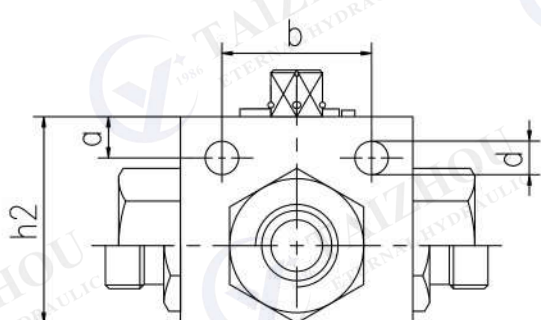


接口略图	型号 /TYPE	最大压力 (bar)	DN (mm)	LW	RA	d1	i	L	L1	B	H	h1	h2	SW1	SW2	S
	BK3-M16x1.5	500	6	6	11	M16x1.5	11	69	40	26	45	14	33	9	22	27.5
	BK3-M22x1.5	500	8	8	16	M22x1.5	12	76	42	32	49	16	36	9	27	33
	BK3-M27x1.5	500	10	10	20	M27x1.5	12	76	42	32	49	16	36	9	27	33
	BK3-M30x1.5	400	16	15	24	M30x1.5	13	84	48	38	61	19	45	12	32	37
	BK3-M36x2	315	20	20	30	M36x2	15	103	60	48	70	25	55	14	41	45.5
	BK3-M42x2	315	25	25	35	M42x2	18	116	65	57	79	29	64	14	50	54
	BK3-M52x2	315	32	30	40	M52x2	20	149	84	75	101	38	84	17	60	62.5
	BK3-M60x2	315	40	38	45	M60x2	22	174	91	85	112	42	95	17	70	84
	BK3-G1/8	500	4	6	-	G1/8	14	69	40	25	45	14	33	9	22	34.5
	BK3-G1/4	500	6	6	-	G1/4	14	69	40	25	45	14	33	9	22	34.5
	BK3-G3/8	500	10	10	-	G3/8	14	72	42	32	49	16	36	9	27	36
	BK3-G1/2	500	13	12	-	G1/2	14	83	47	35	49	18	38	9	30	40
	BK3-G1/2	400	16	15	-	G1/2	16	83	48	38	61	19	45	9	32	42
	BK3-G3/4	315	20	20	-	G3/4	18	95	60	48	70	25	55	12	41	49
	BK3-G1	315	25	25	-	G1	21	113	65	57	79	29	64	12	50	56.5
	BK3-G1 1/4	315	32	32	-	G1 1/4	22	110	84	75	101	38	84	14	60	62.5
	BK3-G1 1/2	315	40	38	-	G1 1/2	24	130	91	85	112	43	95	14	70	61
	BK3-G2	315	50	48	-	G2	26	140	100	104	131	52	113	14	90	66

BK3 3通高压球阀 BK 3-Way Ball Valve

连接口略图	型号 /TYPE	最大压力 (bar)	DN (mm)	LW	RA	d1	i	L	L1	B	H	h1	h2	SW1	SW2	S
	BK3-06LR	500	4	4	6	M12x1.5	10	67	40	26	45	14	33	9	22	34.5
	BK3-08LR	500	6	6	8	M14x1.5	10	67	40	26	45	14	33	9	22	34.5
	BK3-10LR	500	8	8	10	M16x1.5	11	74	42	32	49	16	36	9	27	36
	BK3-12LR	500	10	10	12	M18x1.5	11	74	42	32	49	16	36	9	27	36
	BK3-15LR	500	13	12	15	M22x1.5	13	82	47	35	53	18	38	9	30	40
	BK3-15LR	500	12	12	15	M22x1.5	12	82	48	38	61	19	45	9	32	40
	BK3-18LR	500	13	12	18	M26x1.5	13	82	47	35	53	18	38	9	30	42
	BK3-18LR	400	16	15	18	M26x1.5	12	82	48	38	61	19	45	9	32	42
	BK3-22LR	315	20	19	22	M30x2	14	101	60	48	70	25	55	9	41	49
	BK3-28LR	315	25	25	28	M36x2	14	108	65	57	79	29	64	12	50	54
	BK3-35LR	315	32	30	35	M45x2	16	141	84	75	101	38	84	14	60	66
	BK3-42LR	315	40	36	42	M52x2	16	162	91	85	112	43	95	14	70	78
	BK3-08SR	500	4	5	8	M16x1.5	12	73	40	26	45	14	33	9	22	34.5
	BK3-10SR	500	6	6	10	M18x1.5	12	73	40	26	45	14	33	9	22	34.5
	BK3-12SR	500	8	8	12	M20x1.5	12	76	42	32	49	16	36	9	27	36
	BK3-14SR	500	10	10	14	M22x1.5	14	80	42	32	49	16	36	9	27	36
	BK3-16SR	500	13	12	16	M24x1.5	14	86	47	35	53	18	38	9	30	44
	BK3-16SR	500	12	12	16	M24x1.5	14	86	48	38	61	19	45	9	32	37
	BK3-20SR	500	13	13	20	M30x2	16	90	47	35	53	18	38	9	30	44
	BK3-20SR	400	16	15	20	M30x2	16	90	48	38	61	19	45	9	32	37
	BK3-25SR	315	20	20	25	M36x2	18	109	60	48	70	25	55	12	41	49
	BK3-30SR	315	25	25	30	M42x2	20	120	65	57	79	29	64	12	50	60
BK3-38SR	315	32	30	38	M52x2	22	153	84	75	101	38	84	14	60	76.5	
	BK3-NPT1/8	500	4	6	-	NPT1/8	11	69	35	26	45	14	33	9	22	34.5
	BK3-NPT1/4	500	6	6	-	NPT1/4	11	69	35	26	45	14	33	9	22	34.5
	BK3-NPT3/8	500	10	10	-	NPT3/8	11	72	42	32	49	16	36	9	27	36
	BK3-NPT1/2	500	13	12	-	NPT1/2	14	83	47	35	49	18	38	9	30	40
	BK3-NPT1/2	400	16	15	-	NPT1/2	14	83	48	38	61	19	45	9	32	42
	BK3-NPT3/4	315	20	20	-	NPT3/4	18	95	60	48	70	25	55	12	41	49
	BK3-NPT1	315	25	25	-	NPT1	21	113	65	57	79	29	64	12	50	56.5
	BK3-NPT1 1/4	315	32	32	-	NPT1 1/4	22	110	84	75	101	38	84	14	60	66
	BK3-NPT1 1/2	315	40	38	-	NPT1 1/2	24	130	91	85	112	43	95	14	70	61
	BK3-NPT2	315	50	48	-	NPT2	26	140	100	104	113	53	113	14	90	62.5

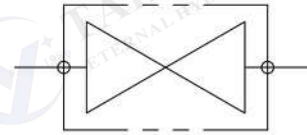
通孔定位图



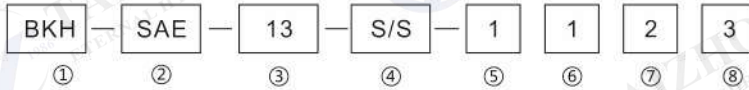
DN	h2	b	a	d
4-8	33	26	5	4.5
10	38	32	5	6.5
13	40	37.5	4.8	6.5
16	46	37.5	5	6.5
20	57	45	6.5	6.5
25	60	55	6	6.5



图形符号/SYMBOL:

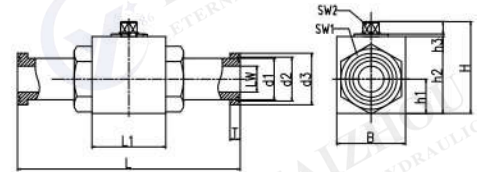


型号说明/MODEL CODE:

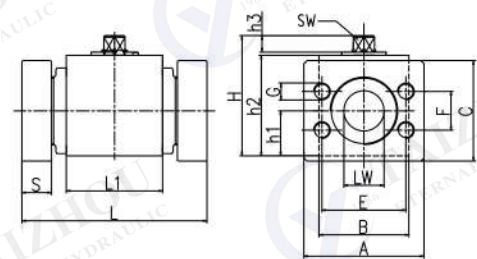


- ① 球阀系列代号/ball valve series code: BKH-SAE型/BKH-SAE type
- ② 连接方式/connection mode: SAE-J518C
- ③ 公称直径/nominal diameter: 13、20、25、32、40、50
- ④ 连接类型/the type of connection:
 - 1、S/S-需使用对分法兰 2、D/D-两端带适配法兰
 - 3、S/D-一端去兰肩轴，一端带适配法兰
- ⑤ 阀体和接头材料/body and joint material:
 - 1、45号钢 2、不锈钢304 3、不锈钢316
- ⑥ 球体和阀杆材料/ball and the valve stem material:
 - 1、45号钢 2、不锈钢304 3、不锈钢316
- ⑦ 球座密封材料/ball sealing material:
 - 2、POM/聚甲醛 3、PTFE/聚四氟乙烯
- ⑧ 阀杆和接头密封材料/valve stem and joint seal material:
 - 2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶

外形尺寸/OVER DIMENSION:



S/S型



D/D型

型号 /TYPE	最大压力 (bar)	DN (mm)	LW	L	L1	B	H	h1	h2	h3	SW1	SW2	T	d1	d2	d3
BKH-SAE-13-S/S	210	13	13	151	47	35	49	18	38	10	9	30	6.8	24	25.5	30.2
BKH-SAE-13-S/S	420	13	13	151	47	35	49	18	38	10	9	30	7.9	24	25.5	31.8
BKH-SAE-20-S/S	210	20	19	162	60	48	70	25	55	11	12	41	6.8	32	31.9	38.1
BKH-SAE-20-S/S	315	20	19	174	60	48	70	25	55	11	12	41	8.9	32	31.9	41.3
BKH-SAE-25-S/S	210	25	24	178	65	57	79	28.5	64	11	12	50	8.1	38	39.8	44.4
BKH-SAE-25-S/S	315	25	24	198	65	57	79	28.5	64	11	12	50	9.6	38	39.8	47.6
BKH-SAE-32-S/S	210	32	32	191	84	75	101	37.5	84	12	14	60	8.1	43	44.6	50.8
BKH-SAE-32-S/S	315	32	32	223	84	75	101	37.5	84	12	14	60	10.4	44	44.6	54
BKH-SAE-40-S/S	210	40	36	231	91	85	112	42.5	95	12	14	70	8.1	50	54.1	60.3
BKH-SAE-40-S/S	315	40	36	281	91	85	112	42.5	95	12	14	70	12.7	51	54.1	63.5
BKH-SAE-50-S/S	210	50	48	232	100	104	131	53	112.5	12	14	90	9.6	62	63.6	71.4
BKH-SAE-50-S/S	315	50	48	316	100	104	131	53	112.5	12	14	90	12.7	67	63.6	79.4

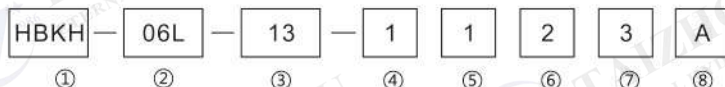
型号 /TYPE	最大压力 (bar)	DN (mm)	LW	L	A	C	E	F	G	S	L1	B	H	h1	h2	h3	SW
BKH-SAE-13-D/D	210	13	13	104	54	46	38.1	17.5	M8	15	47	35	49	18	38	10	9
BKH-SAE-13-D/D	420	13	13	104	56	48	40.5	18.2	M8	16	47	35	49	18	38	10	9
BKH-SAE-20-D/D	210	20	19	121	65	52	47.6	22.3	M10	18	60	48	70	25	55	11	12
BKH-SAE-20-D/D	315	20	19	121	71	60	50.8	23.8	M10	18	60	48	70	25	55	11	12
BKH-SAE-25-D/D	210	25	24	133	70	59	52.4	26.2	M12	18	65	57	79	28.5	64	11	12
BKH-SAE-25-D/D	315	25	24	133	81	70	57.2	27.8	M12	24	65	57	79	28.5	64	11	12
BKH-SAE-32-D/D	210	32	32	163	79	73	58.7	30.2	M14	18	84	75	101	37.5	84	12	14
BKH-SAE-32-D/D	315	32	32	163	95	78	66.6	31.8	M14	26	84	75	101	37.5	84	12	14
BKH-SAE-40-D/D	210	40	36	168	94	83	69.9	35.7	M16	18	91	85	112	42.5	95	12	14
BKH-SAE-40-D/D	315	40	36	168	113	95	79.3	36.5	M16	28	91	85	112	42.5	95	12	14
BKH-SAE-50-D/D	210	50	48	186	102	97	77.8	42.9	M20	25	100	104	131	53	112.5	12	14
BKH-SAE-50-D/D	315	50	48	186	133	114	96.8	44.5	M20	30	100	104	131	53	112.5	12	14



图形符号/SYMBOL:

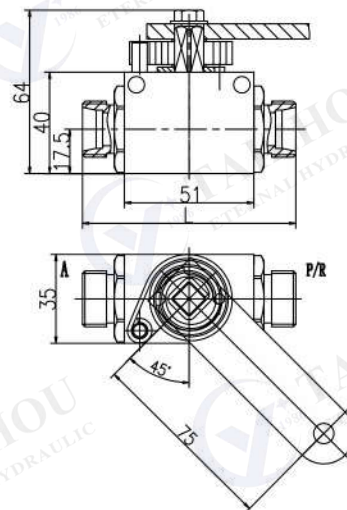


型号说明/MODEL CODE:



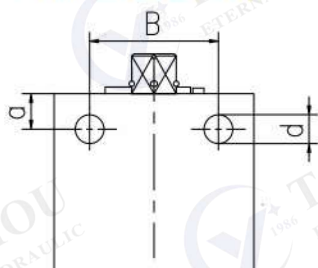
- ① 球阀系列代号/ball valve series code: HBKH型/HBKH type
- ② 连接螺纹尺寸/connection thread dimension: 卡套连接LR、SR (din2353)
- ③ 公称通径/nominal diameter: 13
- ④ 阀体和接头材料/body and joint material:
 - 1、45号钢 2、不锈钢304 3、不锈钢316
- ⑤ 球体和阀杆材料/ball and the valve stem material:
 - 1、45号钢 2、不锈钢304 3、不锈钢316
- ⑥ 球座密封材料/ball sealing material:
 - 2、POM/聚甲醛 3、PTFE/聚四氟乙烯
- ⑦ 阀杆和接头密封材料/valve stem and joint seal material:
 - 2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶
- ⑧ 球芯初始位置类型/the initial position of the ball core type:A型、B型/A type、B type

外形尺寸/OVER DIMENSION:



连接口略图	型号 /TYPE	DN (mm)	PN (bar)	LW	d1	L	i
	HBKH-06L	13	400	Φ4	M12x1.5	84	7.5
	HBKH-08L	13	400	Φ6	M14x1.5	84	7.5
	HBKH-10L	13	400	Φ8	M16x1.5	84	8.5
	HBKH-12L	13	400	Φ10	M18x1.5	84	8.5
	HBKH-15L	13	400	Φ13	M22x1.5	84	9.5
	HBKH-18L	13	400	Φ13	M26x1.5	84	9.5
	HBKH-10S	13	400	Φ8	M18x1.5	86	9.5
	HBKH-16S	13	400	Φ13	M24x1.5	90	11.5

侧面通孔定位图



标准孔 /Standard bore			
DN (mm)	B (mm)	a (mm)	d (mm)
13	37.5	4.8	Φ6.5

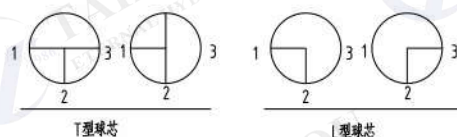
加长孔 /long bore			
DN (mm)	B (mm)	a (mm)	d (mm)
13	41.5	4.8	Φ6.5

3KH 高压球阀

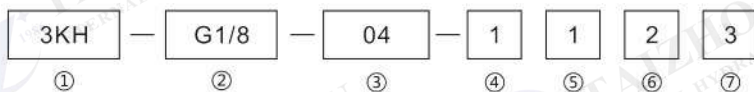
3KH 3-Way Ball Valve



图形符号/SYMBOL:

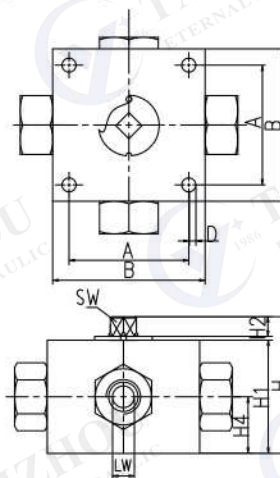


型号说明/MODEL CODE:



- ①球阀系列代号/ball valve series code: 3KH三通型/3KH three-way type
- ②连接螺纹尺寸/connection thread dimension: BBSP, NPT, L, S
- ③公称通径/nominal diameter: 4、6、10、13、20、25、40
- ④阀体和接头材料/body and joint material:
1、45号钢 2、不锈钢304 3、不锈钢316
- ⑤球体和阀杆材料/ball and the valve stem material:
1、45号钢 2、不锈钢304 3、不锈钢316
- ⑥球座密封材料/ball sealing material:
2、POM/聚甲醛 3、PTFE/聚四氟乙烯
- ⑦阀杆和接头密封材料/valve stem and joint seal material:
2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶

外形尺寸/OVER DIMENSION:



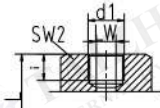
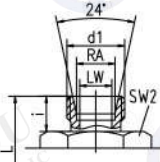
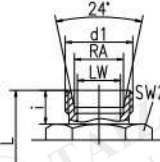
DN (mm)	最大压力 (bar)	B	A	ΦD	H	H1	H2	H4	SW
4至6	500	70	55	6.5	68	52	12	26.5	12
8	500	80	65	6.5	71	55	12	28	14
10	500	90	65	6.5	71	55	12	28	14
13	400	99	80	8.7	77	60	12	30	14
20	400	112	85	8.7	89.5	71	13.5	37	17
25	350	124	105	11	98	79	13.5	42.5	19
40	63	198	150	14.5	129	107	16	57.5	22

注：使用PTFE密封时，工作压力为100bar/Note: The use of the PTFE seal, working pressure is 100 bar

连接口略图	型号 /TYPE	DN (mm)	LW (LT型)	LW (X型)	d1	RA	总长L	i	SW2
	3KH-G1/8	4	5	5	G1/8	-	100	13	27
	3KH-G1/4	6	6	5	G1/4	-	100	13	27
	3KH-G3/8	10	9	7.5	G3/8	-	115	13	30
	3KH-G1/2	13	12.5	11.5	G1/2	-	135	15	36
	3KH-G3/4	20	19	18	G3/4	-	148	17	41
	3KH-G1	25	24	22	G1	-	172	19	50
	3KH-G1 1/4	25	24	22	G1 1/4	-	180	20	50
	3KH-G1 1/2	40	36	33	G1 1/2	-	230	24	75

3KH 高压球阀

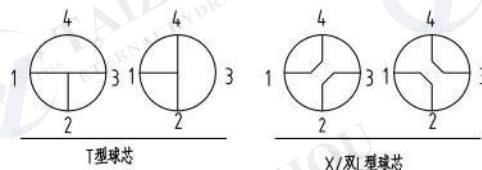
3KH 3-Way Ball Valve

连接口略图	型号 /TYPE	DN (mm)	LW(LT型)	LW(X型)	d1	RA	总长L	i	SW2
	3KH-NPT1/8	4	5	5	NPT1/8	-	105	12	27
	3KH-NPT1/4	6	6	5	NPT1/4	-	105	17	27
	3KH-NPT3/8	10	9	7.5	NPT3/8	-	115	17	30
	3KH-NPT1/2	13	12.5	11.5	NPT1/2	-	140	22	36
	3KH-NPT3/4	20	19	18	NPT3/4	-	154	23	41
	3KH-NPT1	25	24	22	NPT1	-	183	27	50
	3KH-NPT1 1/4	25	24	22	NPT1 1/4	-	190	28	50
	3KH-NPT1 1/2	40	36	33	NPT1 1/2	-	236	33	75
	3KH-06L	4	5	5	M12x1.5	6	105	7	27
	3KH-08L	6	6	5	M14x1.5	8	105	7	27
	3KH-10L	8	9	7.5	M16x1.5	10	114	8	30
	3KH-12L	10	9	7.5	M18x1.5	12	114	8	30
	3KH-15L	13	12.5	11.5	M22x1.5	15	136	9	36
	3KH-18L	13	12.5	11.5	M26x1.5	18	136	9	36
	3KH-22L	20	19	18	M30x2	22	152	11	41
	3KH-28L	25	24	22	M36x2	28	170	11	50
	3KH-35L	25	24	22	M45x2	35	174	13	50
	3KH-42L	40	36	33	M52x2	42	246	13	75
		3KH-08S	4	5	5	M16x1.5	8	105	9
3KH-10S		6	6	5	M18x1.5	10	105	9	27
3KH-12S		8	9	7.5	M20x1.5	12	116	9	30
3KH-14S		10	9	7.5	M22x1.5	14	121	11	30
3KH-16S		13	12.5	11.5	M24x1.5	16	140	11	36
3KH-20S		13	12.5	11.5	M30x2	20	144	13	36
3KH-25S		20	19	18	M36x2	25	162	15	41
3KH-30S		25	24	22	M42x2	30	180	17	50
3KH-38S		25	24	22	M52x2	38	184	19	55

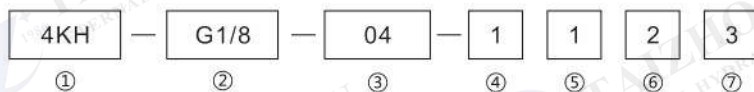
4KH 高压球阀 4KH 4-Way Ball Valve



图形符号/SYMBOL:

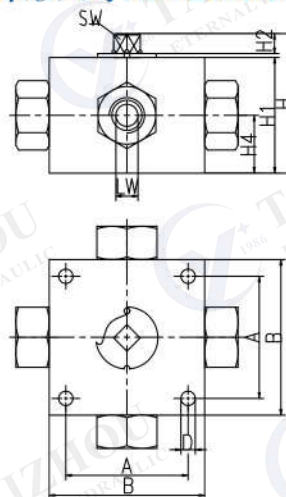


型号说明/MODEL CODE:



- ① 球阀系列代号/ball valve series code: 4KH四通型/4KH four-way type
- ② 连接螺纹尺寸/connection thread dimension: BBSP, NPT, L, S
- ③ 公称通径/nominal diameter: 4, 6, 10, 13, 20, 25, 40
- ④ 阀体和接头材料/body and joint material:
 - 1, 45号钢 2, 不锈钢304 3, 不锈钢316
- ⑤ 球体和阀杆材料/ball and the valve stem material:
 - 1, 45号钢 2, 不锈钢304 3, 不锈钢316
- ⑥ 球座密封材料/ball sealing material:
 - 2, POM/聚甲醛 3, PTFE/聚四氟乙烯
- ⑦ 阀杆和接头密封材料/valve stem and joint seal material:
 - 2, PTFE/聚四氟乙烯 3, NBR/丁腈橡胶 4, FKM 氟橡胶

外形尺寸/OVER DIMENSION:



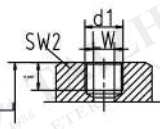
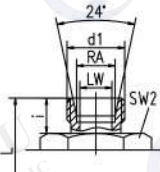
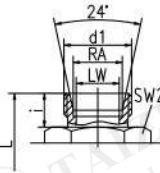
DN (mm)	最大压力 (bar)	B	A	ΦD	H	H1	H2	H4	SW
4至6	500	70	55	6.5	68	52	12	26.5	12
8	500	80	65	6.5	71	55	12	28	14
10	500	90	65	6.5	71	55	12	28	14
13	400	99	80	8.7	77	60	12	30	14
20	400	112	85	8.7	89.5	71	13.5	37	17
25	350	124	105	11	98	79	13.5	42.5	19
40	63	198	150	14.5	129	107	16	57.5	22

注：使用PTFE密封时，工作压力为100bar/Note: The use of the PTFE seal, working pressure is 100 bar

连接口略图	型号 /TYPE	DN (mm)	LW (LT型)	LW (X型)	d1	RA	总长L	i	SW2
	4KH-G1/8	4	5	5	G1/8	-	100	13	27
	4KH-G1/4	6	6	5	G1/4	-	100	13	27
	4KH-G3/8	10	9	7.5	G3/8	-	115	13	30
	4KH-G1/2	13	12.5	11.5	G1/2	-	135	15	36
	4KH-G3/4	20	19	18	G3/4	-	148	17	41
	4KH-G1	25	24	22	G1	-	172	19	50
	4KH-G1 1/4	25	24	22	G1 1/4	-	180	20	50
	4KH-G1 1/2	40	36	33	G1 1/2	-	230	24	75

4KH 高压球阀

4KH 4-Way Ball Valve

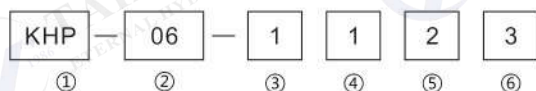
连接口略图	型号 /TYPE	DN (mm)	LW(LT型)	LW(X型)	d1	RA	总长L	i	SW2
	4KH-NPT1/8	4	5	5	NPT1/8	-	105	12	27
	4KH-NPT1/4	6	6	5	NPT1/4	-	105	17	27
	4KH-NPT3/8	10	9	7.5	NPT3/8	-	115	17	30
	4KH-NPT1/2	13	12.5	11.5	NPT1/2	-	140	22	36
	4KH-NPT3/4	20	19	18	NPT3/4	-	154	23	41
	4KH-NPT1	25	24	22	NPT1	-	183	27	50
	4KH-NPT1 1/4	25	24	22	NPT1 1/4	-	190	28	50
	4KH-NPT1 1/2	40	36	33	NPT1 1/2	-	236	33	75
	4KH-06L	4	5	5	M12x1.5	6	105	7	27
	4KH-08L	6	6	5	M14x1.5	8	105	7	27
	4KH-10L	8	9	7.5	M16x1.5	10	114	8	30
	4KH-12L	10	9	7.5	M18x1.5	12	114	8	30
	4KH-15L	13	12.5	11.5	M22x1.5	15	136	9	36
	4KH-18L	13	12.5	11.5	M26x1.5	18	136	9	36
	4KH-22L	20	19	18	M30x2	22	152	11	41
	4KH-28L	25	24	22	M36x2	28	170	11	50
	4KH-35L	25	24	22	M45x2	35	174	13	50
	4KH-42L	40	36	33	M52x2	42	246	13	75
	4KH-08S	4	5	5	M16x1.5	8	105	9	27
	4KH-10S	6	6	5	M18x1.5	10	105	9	27
	4KH-12S	8	9	7.5	M20x1.5	12	116	9	30
	4KH-14S	10	9	7.5	M22x1.5	14	121	11	30
	4KH-16S	13	12.5	11.5	M24x1.5	16	140	11	36
	4KH-20S	13	12.5	11.5	M30x2	20	144	13	36
	4KH-25S	20	19	18	M36x2	25	162	15	41
	4KH-30S	25	24	22	M42x2	30	180	17	50
	4KH-38S	25	24	22	M52x2	38	184	19	55



图形符号/SYMBOL:

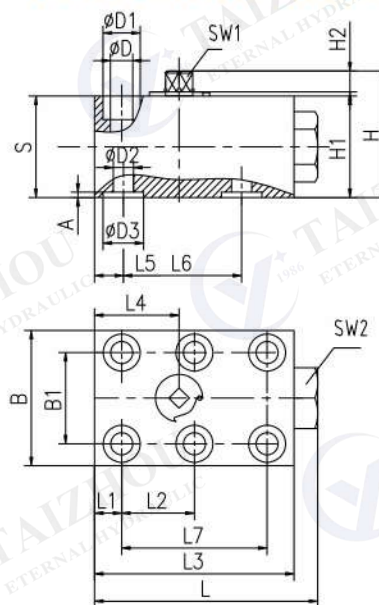


型号说明/MODEL CODE:



- ① 球阀系列代号/ball valve series code: KHP二通型/KHP two-way type
 ② 公称直径/nominal diameter: 6、10、16、20、25、32、40、50
 ③ 阀体和接头材料/body and joint material:
 1、45号钢 2、不锈钢304 3、不锈钢316
 ④ 球体和阀杆材料/ball and the valve stem material:
 1、45号钢 2、不锈钢304 3、不锈钢316
 ⑤ 球座密封材料/ball sealing material:
 2、POM/聚甲醛 3、PTFE/聚四氟乙烯
 ⑥ 阀杆和接头密封材料/valve stem and joint seal material:
 2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶

外形尺寸/OVER DIMENSION:



型号 /TYPE	DN (mm)	最大压力 (bar)	LW	L	L1	L2	L3	L4	L5	L6	L7	B	B1
KHP-06	6	315	6	64	8.5	17.5	59	25	8.5	35	35	40	27
KHP-10	10	315	9.5	77	7.5	27.5	70	29	10	44	55	55	40
KHP-16	16	315	16	110	8.5	41.5	100	43	17	58	83	60	45
KHP-20	20	315	20	126	10	48.5	117	54	20	69	97	70	51
KHP-25	25	315	23.5	145	10	57.5	135	64.5	24	81	115	80	60
KHP-32	32	315	30	177	12	68	165	75.5	29	96	136	100	78
KHP-40	40	315	38	200	30	56	185	80	30	112	112	130	95
KHP-50	50	315	48	245	38	68	220	106	38	136	136	149	112

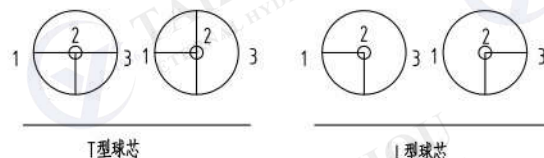
型号 /TYPE	DN (mm)	SW1	SW2	H	H1	H2	D	D1	D2	D3	A	S	O-ring
KHP-06	6	9	22	37.5	30	8.5	6.6	11	6	11.7	1.6	23	8x2
KHP-10	10	9	30	58	40	8.5	9	13	9.5	15	2	31	10x2.6
KHP-16	16	9	34	72.5	52	8.5	9	13	16	25	2	43	20.29x2.62
KHP-20	20	12	41	88.5	60	11	10.5	16.5	20	30	2.5	50	23.39x3.53
KHP-25	25	12	46	97.5	65	11	10.5	17	23.5	35	2.5	55	28.17x3.53
KHP-32	32	14	55	118.5	80	13.5	13	19	30	40	2.5	67	32.92x3.53
KHP-40	40	14	65	118.5	95	13.5	17	25	38	48	3	77	42x3.5
KHP-50	50	14	-	129	110	13.5	22	33	48	55.4	2.9	88.5	49x3.5

KHP3 板式三通球阀

KHP3 3-Way Ball Valve



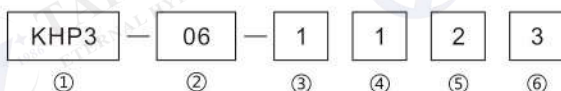
图形符号/SYMBOL:



T型球芯

L型球芯

型号说明/MODEL CODE:



① 球阀系列代号/ball valve series code: KHP3三通型/KHP3 three-way type

② 公称口径/nominal diameter: 6、10、16、20、25、32、40、50

③ 阀体和接头材料/body and joint material:

1、45号钢 2、不锈钢304 3、不锈钢316

④ 球体和阀杆材料/ball and the valve stem material:

1、45号钢 2、不锈钢304 3、不锈钢316

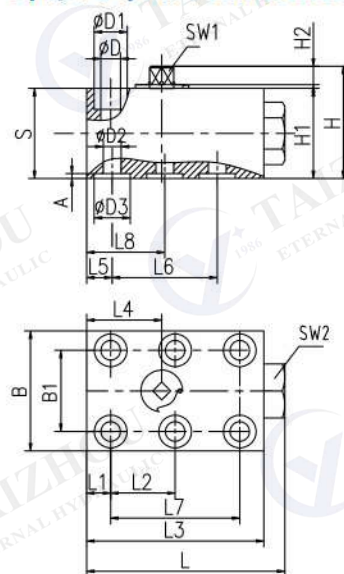
⑤ 球座密封材料/ball sealing material:

2、POM/聚甲醛 3、PTFE/聚四氟乙烯

⑥ 阀杆和接头密封材料/valve stem and joint seal material:

2、PTFE/聚四氟乙烯 3、NBR/丁腈橡胶 4、FKM 氟橡胶

外形尺寸/OVER DIMENSION:



型号 /TYPE	DN (mm)	最大压力 (bar)	LW	L	L1	L2	L3	L4	L5	L6	L7	L8	B	B1
KHP3-06	6	315	6	64	8.5	17.5	59	25	8.5	35	35	26	40	27
KHP3-10	10	315	9.5	77	7.5	27.5	70	29	10	44	55	29	55	40
KHP3-16	16	315	16	110	8.5	41.5	100	43	17	58	83	42.5	60	45
KHP3-20	20	315	20	126	10	48.5	117	54	20	69	97	52	70	51
KHP3-25	25	315	23.5	145	10	57.5	135	64.5	24	81	115	62	80	60
KHP3-32	32	315	30	177	12	68	165	75.5	29	96	136	75	100	78
KHP3-40	40	315	38	200	30	56	185	80	30	112	112	88	130	95
KHP3-50	50	315	48	245	38	68	220	106	38	136	136	106	149	112

型号 /TYPE	DN (mm)	SW1	SW2	H	H1	H2	D	D1	D2	D3	A	S	O-ring
KHP3-06	6	9	22	37.5	30	8.5	6.6	11	6	11.7	1.6	23	8x2
KHP3-10	10	9	30	58	40	8.5	9	13	9.5	15	2	31	10x2.6
KHP3-16	16	9	34	72.5	52	8.5	9	13	16	25	2	43	20.29x2.62
KHP3-20	20	12	41	88.5	60	11	10.5	16.5	20	30	2.5	50	23.39x3.53
KHP3-25	25	12	46	97.5	65	11	10.5	17	23.5	35	2.5	55	28.17x3.53
KHP3-32	32	14	55	118.5	80	13.5	13	19	30	40	2.5	67	32.92x3.53
KHP3-40	40	14	65	118.5	95	13.5	17	25	38	48	3	77	42x3.5
KHP3-50	50	14	-	129	110	13.5	22	33	48	55.4	2.9	88.5	49x3.5

Related Products



Lifting Valve Group



Multiple Single Manifolds



Gear Pump



Hydraulic Orbit Motor



Hydraulic Cylinder



Directional Control Valve

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www.facebook.com/etlhydraulic
<https://taizhouyongchang.en.alibaba.com>

