

G

CARTRIDGE VALVES

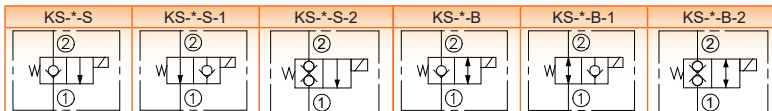


[KS]

※SPECIFICATION

Model	Size	Max. Pres. MPa(PSI)	Max. Flow ℓ/min(GPM)	Filtration (μm)	Weight (Kg)
KS	08	21 (3050)	20(6.0)	25	0.4
	10		40(11.8)		0.6
	12		80(21.1)		0.9

※GRAPHIC SYMBOL

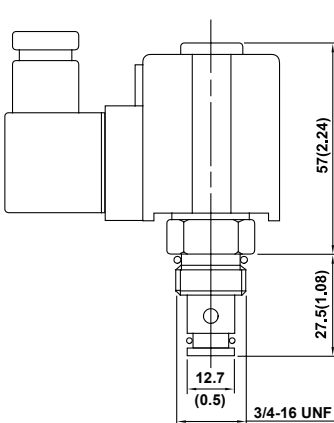


※MODEL NUMBER DESIGNATION

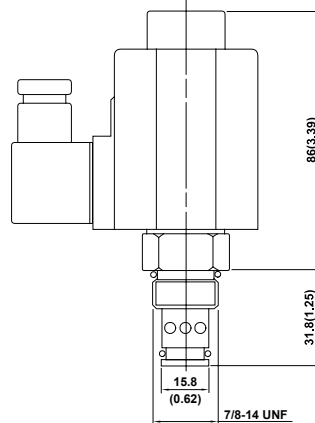
KS-	(T)-	08-	B-	(1)-	(M)-	D24-	10		
							KS	KST(KSMT)	KSG(KSMG)
Series No.	Valve Housing Omit: Without Valve Housing T: Valve with In-Line Housing G: Valve with Gasket Housing	Valve Size 08 10 12	Flow Direction S: Single Direction ② → ① B: Two-Way Direction ② ↔ ①	Action Omit: Normally Closed 1: Normally Open 2: Bidirectional Blocking	Omit: Without Manual Override M: With Manual Override	Voltage A15: AC 110V/50HZ A16: AC 110V/60HZ A24: AC 240V/50HZ A25: AC 220V/50HZ A26: AC 220V/60HZ D12: DC 12V D24: DC 24V R110: RF 110V/50HZ (Rectified) R220: RF 220V/50HZ (Rectified)	Design No.	Thread Connection 10: PT(Rc) 80: PF(G) 90: NPT	Mounting Bolts 10: With DIN 912 Bolts 90: With UNC Bolts (North American Std.)

★ The item with "("" may be omitted.

※DIMENSIONS & CAVITIES

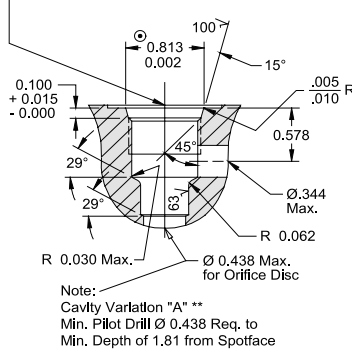


KS-08

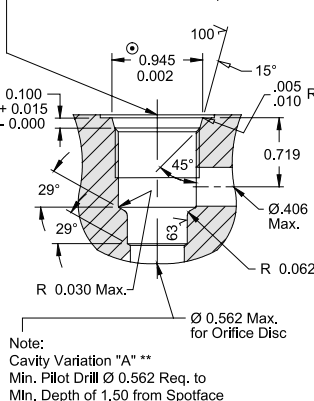


KS-10

- 1.188 Dia. Spotface x .031 Deep #
- 0.502/0.500 Dia. x 1.156 Deep *
- 0.690/0.686 Dia. x 0.750 Deep *
- 3/4 - 16UNF - 2B x 0.500 Deep *



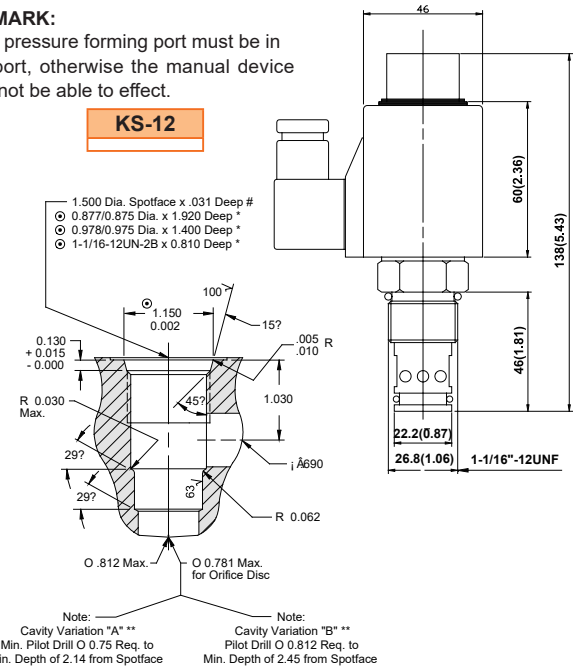
- 1.188 Dia. Spotface x .031 Deep #
- 0.627/0.625 Dia. x 1.312 Deep *
- 0.814/0.810 Dia. x 0.932 Deep *
- 7/8-14UNF-2B x 0.625 Deep *



REMARK:

The pressure forming port must be in ② port, otherwise the manual device will not be able to effect.

KS-12



The above features (except for pilot drill & cross drills) can be machined simultaneously with a form tool.

- These diameters to be concentric within 0.002 T.I.R. and perpendicular to spotface within 0.001 T.I.R.

* -- Depths are from spotface.

-- Unless otherwise specified on machining drawing Unspecified tolerances are 0.005.

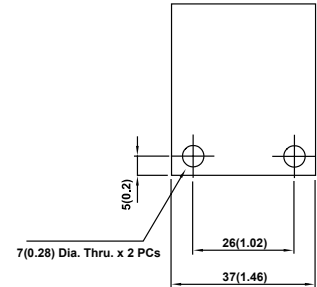
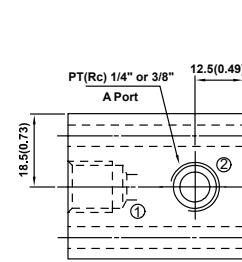
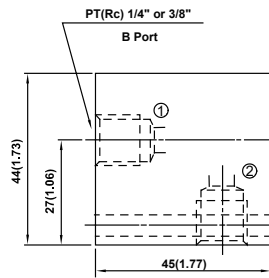
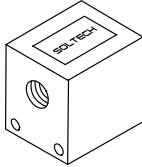
** -- Features of Variation "A" are required only if noted on specific product catalog page.

UNIT: M.M.(INCH)

※ VALVE HOUSINGS

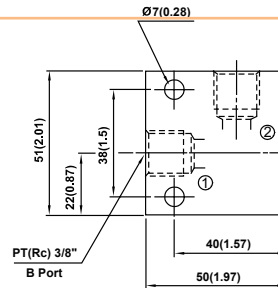
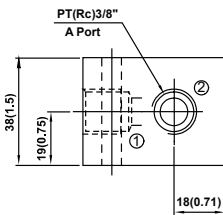
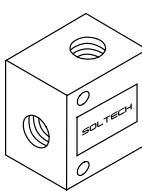
KSMT-08-10

In-Line Housing



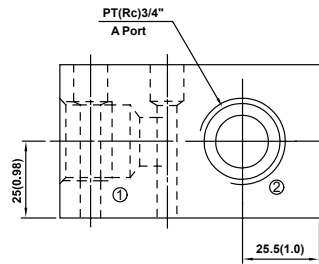
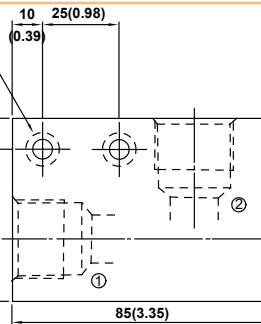
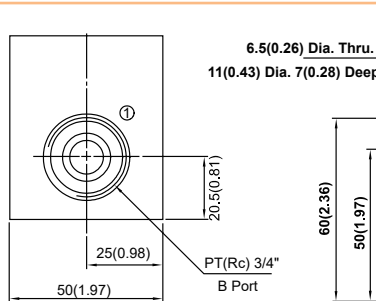
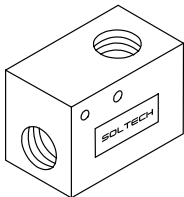
KSMT-10-10

In-Line Housing



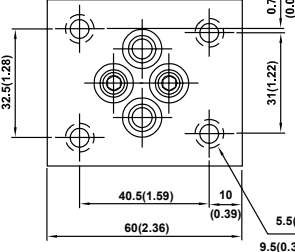
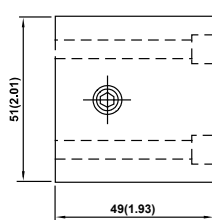
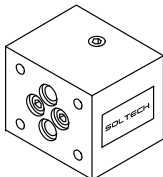
KSMT-12-10

In-Line Housing



KSMG-08

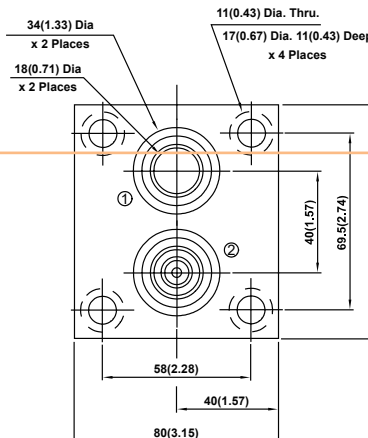
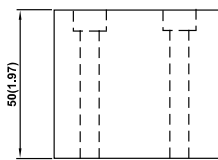
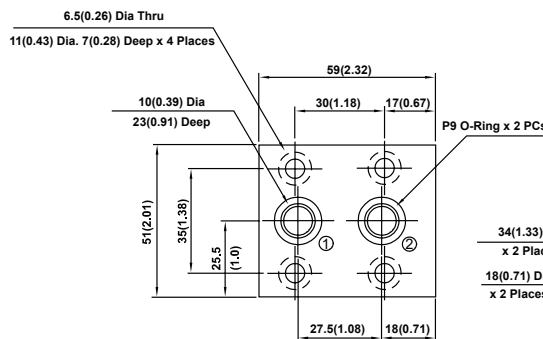
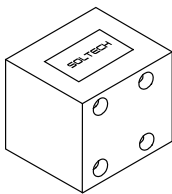
Gasket Housing



Code	Accessories	Additional Code	Function Port
10	Hex. Socket Head Screw M5x50Lg x 4 PCs	PT	P → T
		PA	P → A
90	Hex. Socket Head Screw 10-24UNCx2"Lg x 4 PCs	PB	P → B
		AB	A → B
		AT	A → T
		BT	B → T

KSMG-10

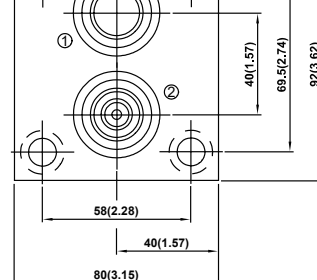
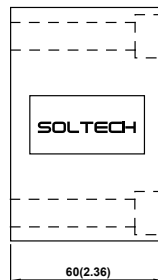
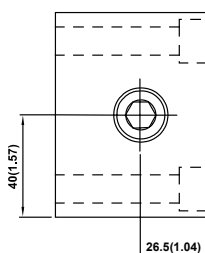
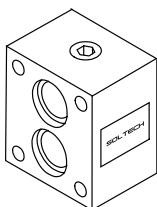
Gasket Housing



Code	Accessories
10	Hex. Socket Head Screw M6x55Lg x 4 PCs
90	Hex. Socket Head Screw 1/4-20UNCx2-1/8"Lg x 4 PCs

KSMG-12

Gasket Housing



Code	Accessories
10	Hex. Socket Head Screw M10x65Lg x 4 PCs
90	Hex. Socket Head Screw 3/8-16UNCx2-5/8"Lg x 4 PCs



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CARTRIDGE VALVES

DIRECTIONAL POPPET VALVE-700 Bar

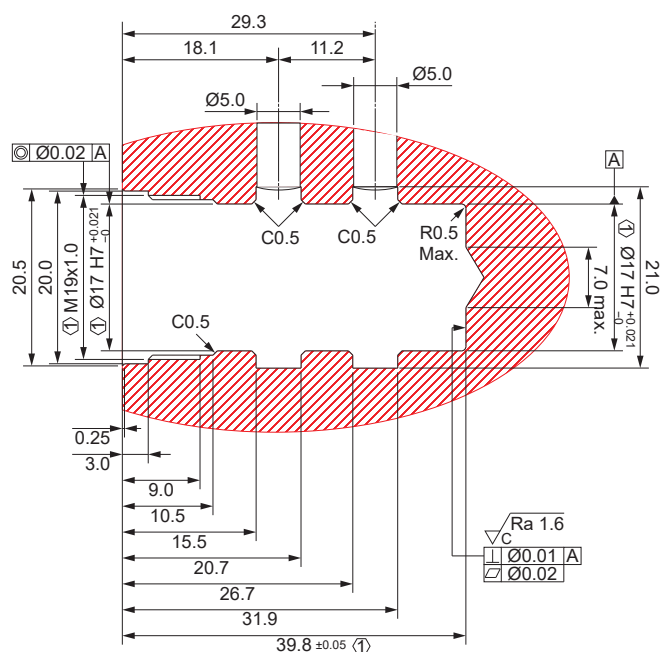
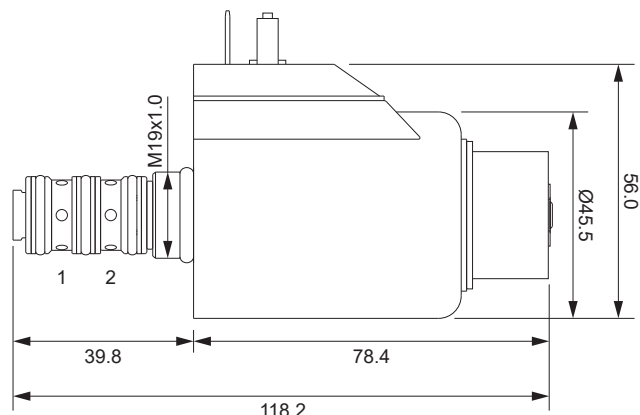
[SPV-700]**※SPECIFICATION**

Model	Max. Pres. MPa(Psi)	Max. Flow ℓ/min(GPM)	Filtration	Weight (Kg)
SPV	70 (10,000)	25(6.6)	according to NAS 1638 class 6 resp. ISO/DIN 4406 17/15/12	0.68

※GRAPHIC SYMBOL**※MODEL NUMBER DESIGNATION**

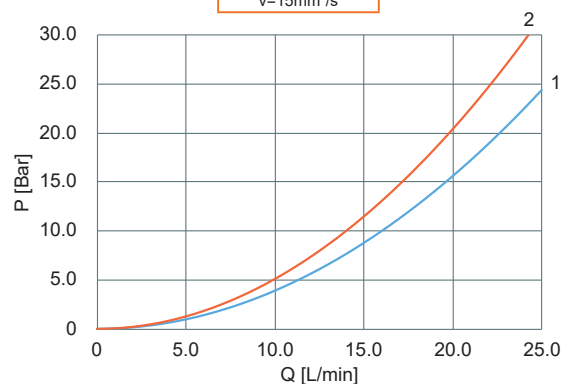
SPV-	(T)-	700-	6	M-	E-	2/	2-	W-	D24-	V
Series No.	Valve Housing Omit: Without Valve Housing T Valve with IN-LINE Housing	SIZE 700	Normal Size	Connection Thread M: Metric	Design Cartridge E	Number of Ports 2	Number of Position 2	Control Function Refer to Graphic Symbol	Voltage D12: DC 12V D24: DC 24V R110: RF 110V (Rectified) R220: RF 220V (Rectified)	Seal Material FKM

★ The item with "(" may be omitted.

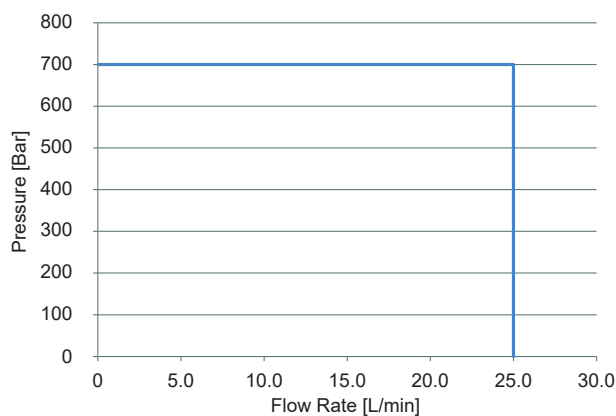
※DIMENSIONS & CAVITIES

① Machined in one clamping

UNIT: M.M.(INCH)

※PERFORMANCE CURVE
Pressure Drop
 $v = 15 \text{ mm}^2/\text{s}$


Valve Type	Control Function	1-2	2-1
2/2	W	1	1
2/2	V	2	2

Hydraulic Switch Capacity



SOLTECH

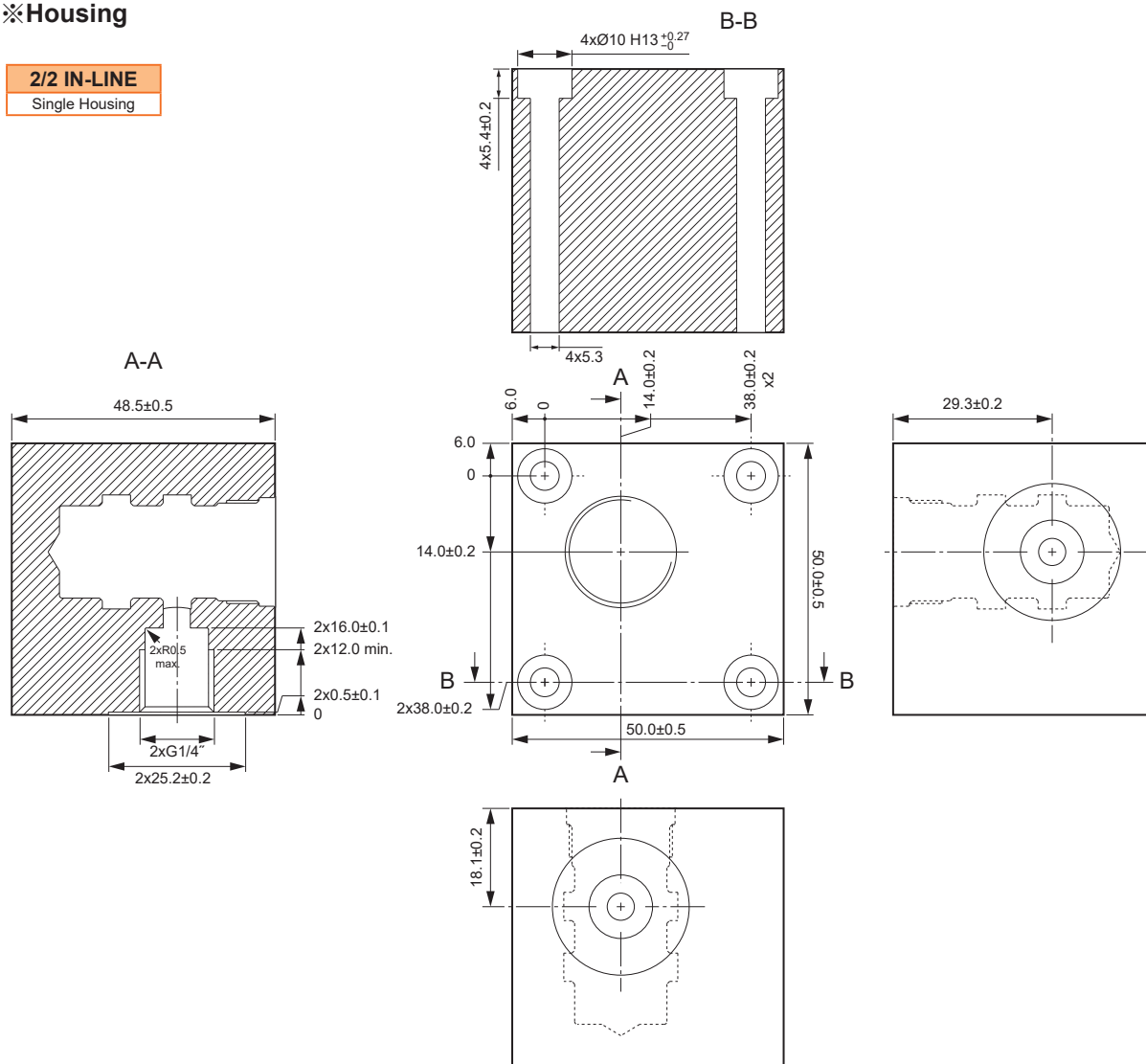
CARTRIDGE VALVES

DIRECTIONAL POPPET VALVE-700 Bar

※Housing

2/2 IN-LINE

Single Housing



UNIT: M.M.(INCH)



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CARTRIDGE VAVLES

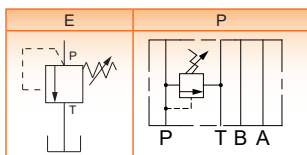
PRESSURE RELIEF VALVE-700 Bar

【SRV700】

※SPECIFICATION

Model	Max. Pres. MPa/Bar(PSI)	Max. Flow ℓ/min(GPM)	Filtration	Weight (Kg)
SRV700-6M-E	70/700 (10,000)	25(6.6)	according to NAS 1638 class 6 resp. ISO/DIN 4406 17/15/12	0.18
SRV700-6I-P				1.0

※GRAPHIC SYMBOL



SRV700-6M-E

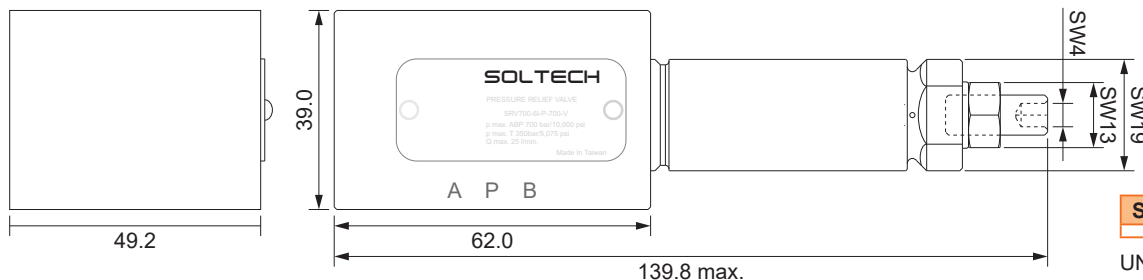
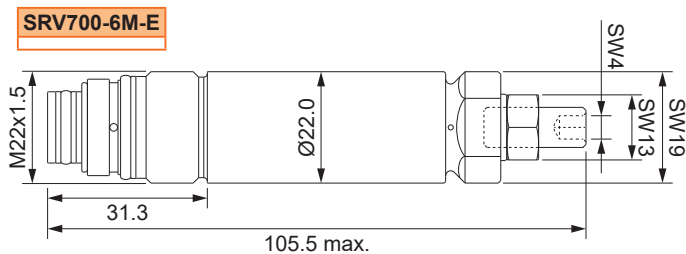
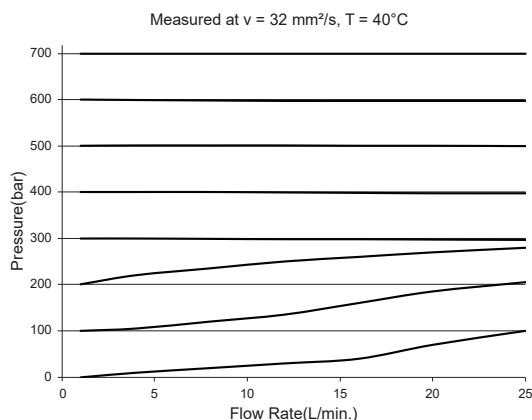
SRV700-6I-P

※MODEL NUMBER DESIGNATION

SRV	700-	6	M-		(E)-	V
Series No.	Max. Setting Pressure (bar)	Normal Size	Housing	I: ISO 4401 & Modular Type	Design Modular Type function Port P: P Port A: A Port B: B Port	Seal Material V: FKM
				T1: In-Line Mounting, G1/4" T2: In-Line Mounting, G3/8"		
			(without Housing) Screw-In Cartridge only	Connection Thread M: Metric	Omit: Measure port without Plug PG: Measure port with G1/4"Plug Screw-In Cartridge: E	

★ The item with "()" may be omitted.

※DIMENSIONS & PERFORMANCE CURVE



SRV700-6T

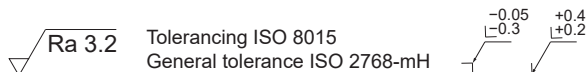
SRV700-6I-P

UNIT: M.M.(INCH)



PRESSURE RELIEF VALVE-700 Bar

G



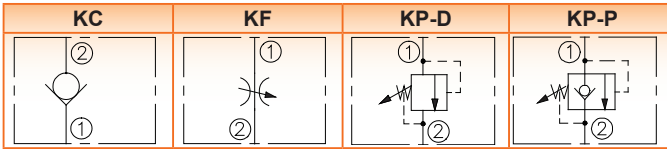
Housing	d	D
SRV700-6T1	G1/4"	25.2
SRV700-6T2	G3/8"	28.2

CETOP 03, NG6, ISO 4401

PAGE 311

【KC, KF, KP】

※GRAPHIC SYMBOL



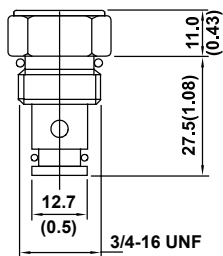
※MODEL NUMBER DESIGNATION

KC-	08-	(D)-	(S)
Series No. KC: Check Valve KF: Flow Control Valve KP: Pressure Control Valve	Valve Size 08 10 12(KC,KF only)	Type (KP-10 only) D: Direct-Acting Poppet P: Pilot-Operated Poppet	Adj. Kits(KF, KP only) S: Socket Head Cap Screw K: Rotary Knob

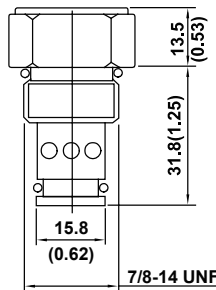
※SPECIFICATION

Model	Size	Max. Pressure MPa(Psi)	Rated Flow ℓ/min(GPM)	Filtration (μm)	Weight (Kg)
KC	08	21(3050)	30(8)	25	0.1
	10		57(15)		0.15
	12		94(25)		0.3
KF	08	21(3050)	38(10)	25	0.1
	10		56(15)		0.15
	12		128(34)		0.35
KP	08	35(5075)	22(6)	25	0.1
	10-D		38(10)		0.15
	10-P		121(32)		0.15

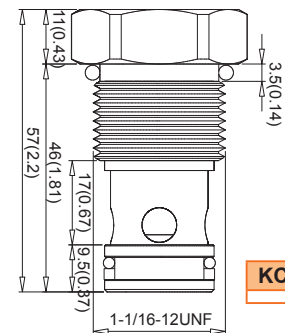
※DIMENSIONS



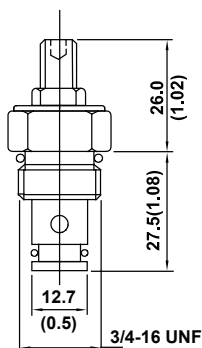
KC-08



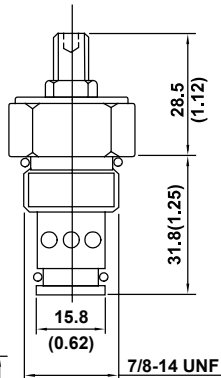
KC-10



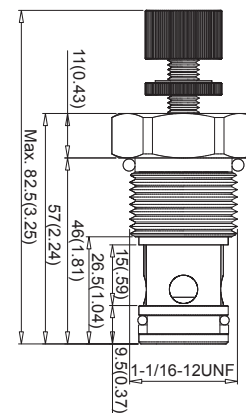
KC-12



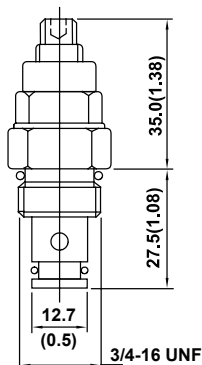
KF-08-S



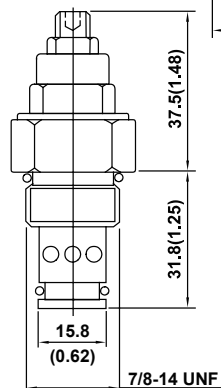
KF-10-S



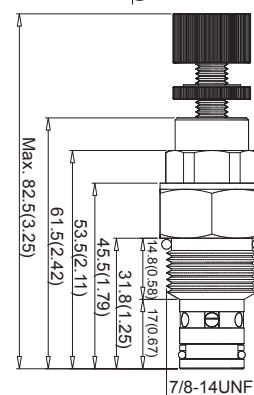
KF-12-K



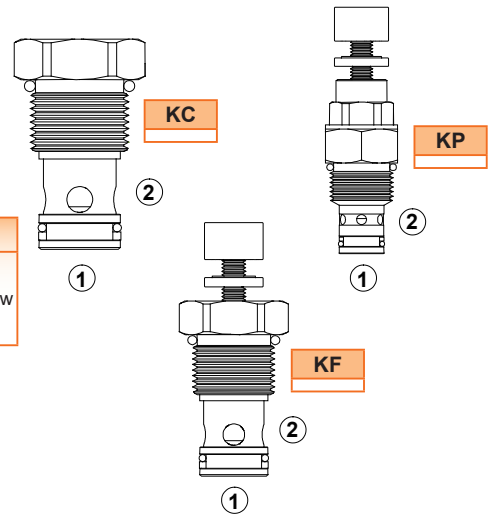
KP-08-D-S



KP-10-D-S



KP-12-P-K





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CARTRIDGE VALVES

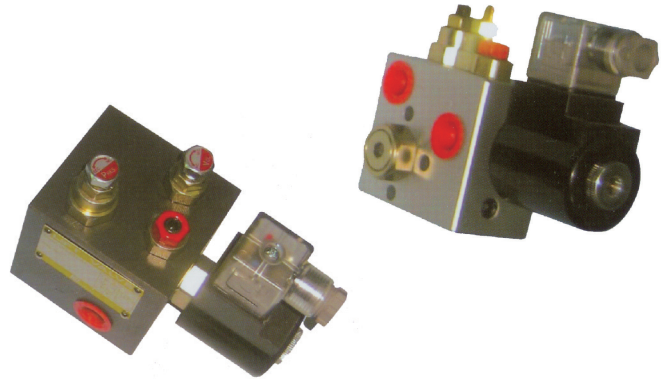
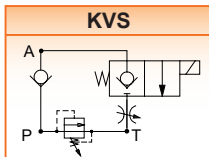
LIFTING VALVES

【KVS】

※SPECIFICATION

Model	Size	Max. Pressure MPa(PSI)	Rated Flow ℓ/min(GPM)	Weight (Kg)	
				T	TL
KVS	03	21(3050)	20(5)	1	1.3
	04		40(10)	1.3	1.5

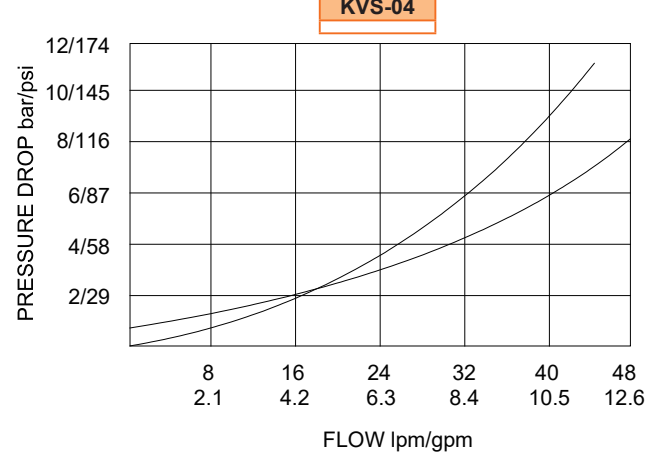
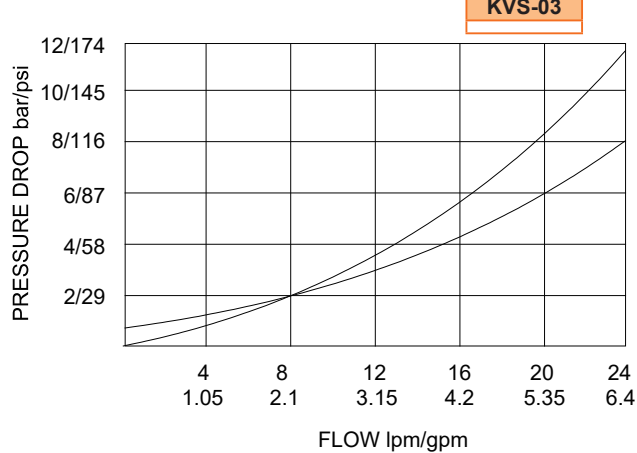
※GRAPHIC SYMBOL



※MODEL NUMBER DESIGNATION

KVS-	03-	T-	D24
Series No.	Valve Size 03 04	Conneciton Type T: Sub-Plate Type TL: In-Line Mounting Type	Voltage A15: AC 110V/50HZ A16: AC 110V/60HZ A24: AC 240V/50HZ A25: AC 220V/50HZ A26: AC 220V/60HZ D12: DC 12V D24: DC 24V R110: RF 110V/50HZ (Rectified) R220: RF 220V/50HZ (Rectified)

※PERFORMANCE CURVE



※DIMENSIONS

