

Inline Flow Control Valves



FLOW CONTROL VALVE (INLINE)

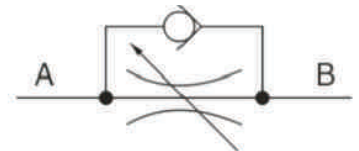
Valve consists of Needle valve to control the flow and parallel check valve for reverse free flow



Model

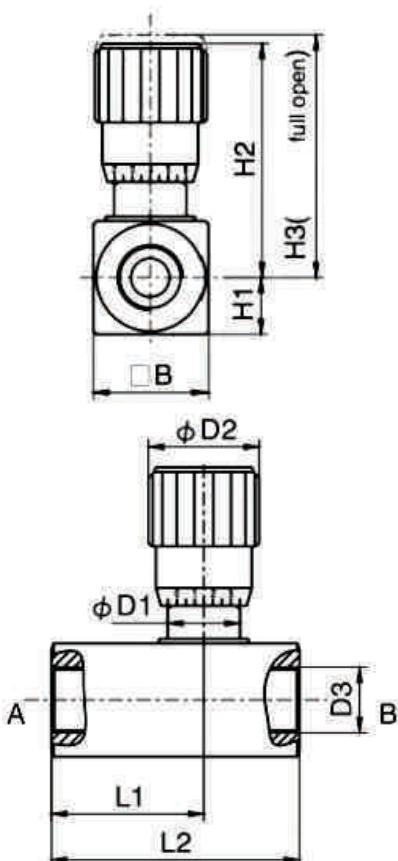
Description

Model		LA	-X	X-X	X	/50	X	*	Description
Flow control with check valve									Remark
Omit	sub-plate type								Omit A type
G	pipe type								B B B type
Specification									Serial number
6	6 (NG 6)								Screw thread type M Screw thread BSP thread NPT thread SAE thread
8	8 (NG 8)								
10	10 (NG 10)								
12	12 (NG 12)								
16	16 (NG 16)								
20	20 (NG 20)								Opening pressure a 0.05 bar b 0.4 bar
25	25 (NG 25)								
30	30 (NG 30)								
40	40 (NG 40)								



Specification :

Specification :	Model	6	8	10	12	16	20	25	30	40
Maximum pressure (Bar)	315									
Maximum flow (l/min)		14	40	60	85	175	200	300	400	600
Hydraulic fluid	Mineral oil, phosphate-ester									
Fluid Temp. (°C)	-20 ~ 70									
Viscosity (mm ² /s)	2.8 ~ 380									
Cracking pressure	a: 0.05 b: 0.4									
Weight (kg)		0.45	0.44	0.47	1.02	0.97	2.22	4.35	8.55	12.32



Model	"B"	D1	D2	D3	H1	H2	H3	L1	L2
G6	28	19.3	30	G1/8"	14	59.3	64.8	36	58
G8	28	19.3	30	G1/4"	14	61.3	67.9	39	64
G10	28	19.3	30	G3/8"	14	61.5	67.5	43	70
G12	38	24.2	37	G1/2"	19	78.1	86.5	52	83
G16	38	24.2	37	G3/4"	19	78.3	86.5	55.5	89
G20	48	35	48	G1"	24	102.3	114.4	70.8	117
G25	60	50	48	G1 1/4"	30	134.68	148.1	97	154
G30	70	70	80	G1 1/2"	35	161.5	181.5	111	172
G40	90	71	80	G2"	45	171.5	191.5	129	190

Flow Control Valves

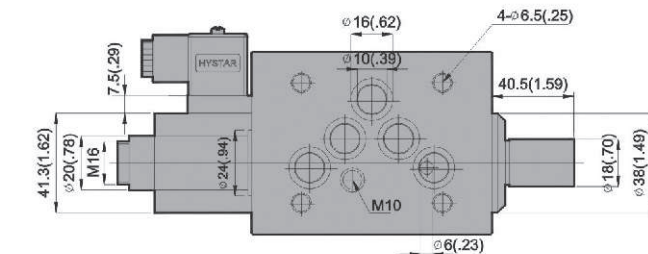


DIMENSIONS

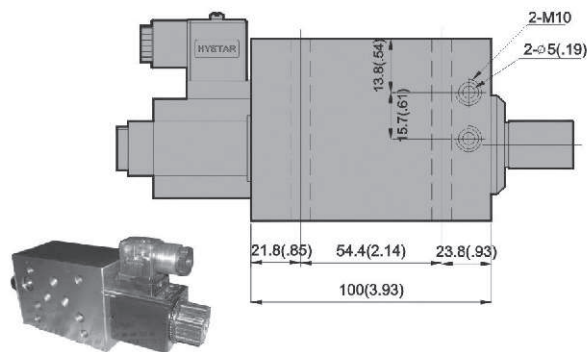
MILLIMETERS(INCHES)

-G0-**-03*

Solcon Valves (Modular Type)



SYMBOL



Valve Specifications & Attachment

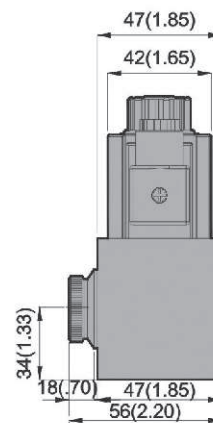
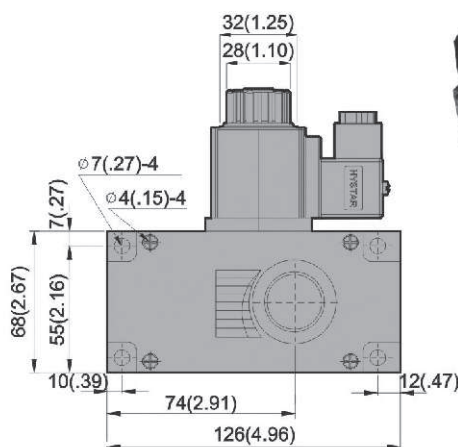
Model	FMS-GO 00-03
Free Flow	30-60 lpm (7.9-15.8 gpm)
Max. Pressure	70-140 bar (1000-2000 psi)
Weight kg(lbs.)	3.30 (7.26)
CODE:20	M6X95LgX4pcs
Surface O-Ring	P12X5pcs

Model	Symbol
FMS-GO-0*-03T	
FMS-GO-0*-03A	
FMS-GO-0*-03P	

Model	Within Flow Rate Adjusting (lpm)	Connection Bore
MFS-GO-02-03-*	0.1 - 2	PT 3/8
MFS-GO-04-03-*	0.1 - 4	
MFS-GO-08-03-*	0.1 - 8	
MFS-GO-012-03-*	0.1 - 12	

-MGKS-00*-03

Solcon Valves (Pressure Compensated) (Sub-plate Type)



SYMBOL



Valve Specifications & Attachment

Model	FPR-MGKS 00-03
Free Flow	30-60 lpm (7.9-15.8 gpm)
Max. Pressure	70-140 bar (1000-2000 psi)
Weight kg(lbs.)	3.30 (7.26)
CODE:20	M6 X55LgX4pcs
Surface O-Ring	P16X2pcs

Model	Within Flow Rate Adjusting (lpm)	Connection Bore
FPR-MGKS-002-03	0.1 - 2	PT 3/8
FPR-MGKS-004-03	0.1 - 4	
FPR-MGKS-008-03	0.1 - 8	
FPR-MGKS-012-03	0.1 - 12	

DIMENSIONS

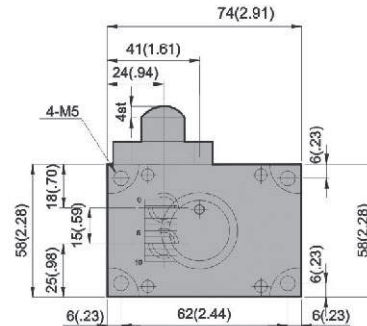
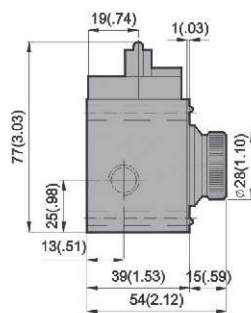
MILLIMETERS(INCHES)

-G02-***

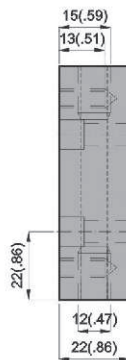
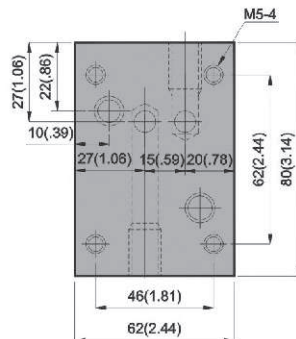
Flow Control with Check Valves (Axial Cam Operated, Push-Down)
Pressure Compensated (Sub-plate Type)



SYMBOL



Sub-plate Dimensions



Valve Specifications & Attachment

Model	FKC-G02-***
Free Flow	20 lpm (5.2 gpm)
Max. Pressure	70 bar (1000 psi)
Weight kg(lbs.)	1.96 (4.31)
CODE:20	M6 X45LgX4pcs
Surface O-Ring	P12X2pcs

Model	Within Flow Rate Adjusting (lpm)	Connection Bore
QVZ -G02-001-02	0.1 - 1	PT 1/4
QVZ -G02-002-02	0.1 - 2	
QVZ -G02-004-02	0.1 - 4	

-G02-***-02A*

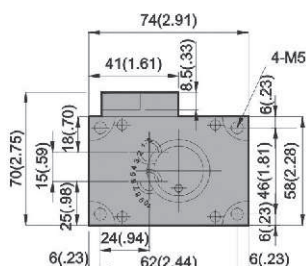
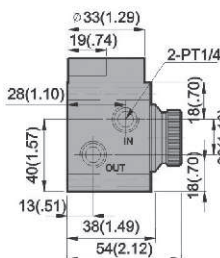
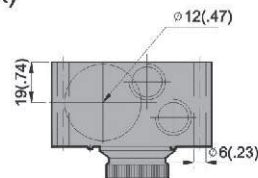
Flow Control with Check Valves (Rotary Operated)
Pressure Compensated (Sub-plate Type)



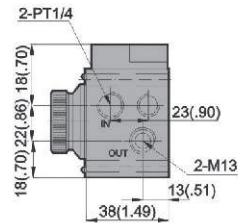
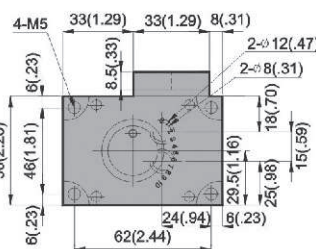
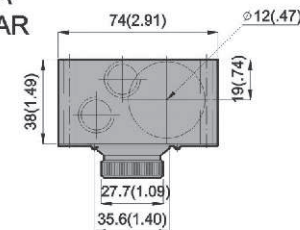
SYMBOL



02A(R)
02AL



02LA
02LAR



Valve Specifications & Attachment

Model	FKC-G02-***-02A*
Free Flow	20 lpm (5.29 gpm)
Max. Pressure	70 bar (1000 psi)
Weight kg(lbs.)	2.40 (5.28)
CODE:20	M5 X45LgX4pcs
Surface O-Ring	P10X2pcs

Model	Within Flow Rate Adjusting (lpm)	Connection Bore
QVZ -G-02001-02A(L)	0.1 - 1	PT 1/4
QVZ -G-02002-02A(L)	0.1 - 2	
QVZ -G-02004-02A(L)	0.1 - 4	
QVZ -G-02001-02LA	0.1 - 1	PT 1/4
QVZ -G-02002-02LA	0.1 - 2	
QVZ -G-02004-02LA	0.1 - 4	

DIMENSIONS

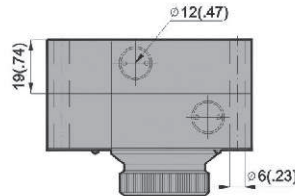
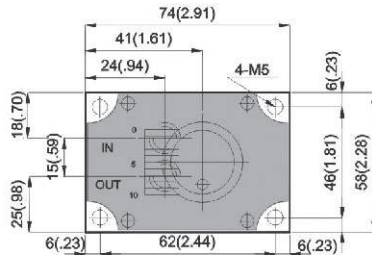
MILLIMETERS(INCHES)

-G02-***-02B

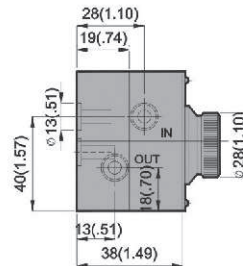
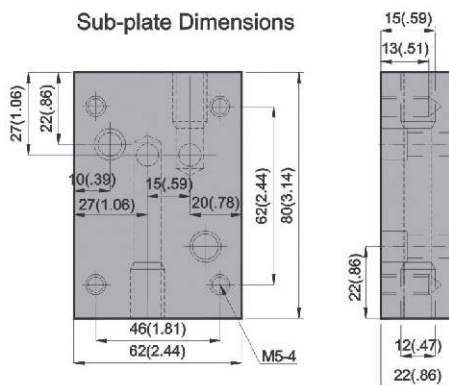
Flow Control with Check Valves (Single Stage)
Pressure Compensated (Sub-plate Type)



SYMBOL



Sub-plate Dimensions



Valve Specifications & Attachment

Model	FKC-G02-***-02B
Free Flow	20 lpm (5.2 gpm)
Max. Pressure	70 bar (1000 psi)
Weight kg(lbs.)	2.30 (5.06)
CODE:20	M5 X45LgX4pcs
Surface O-Ring	P10X2pcs

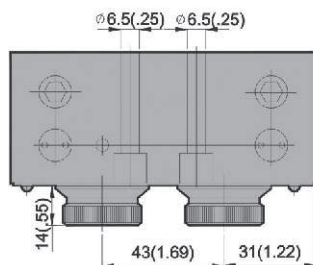
Model	Within Flow Rate Adjusting (lpm)	Connection Bore
QVZ -G02-001-02B	0.1 - 1	PT 1/4
QVZ -G02-002-02B	0.1 - 2	
QVZ -G02-004-02B	0.1 - 4	

-G02-***-02B2

Flow Control with Check Valves((Two Stage)
Pressure Compensated (Sub-plate Type)

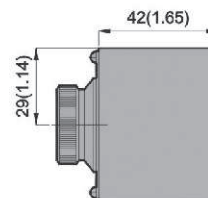
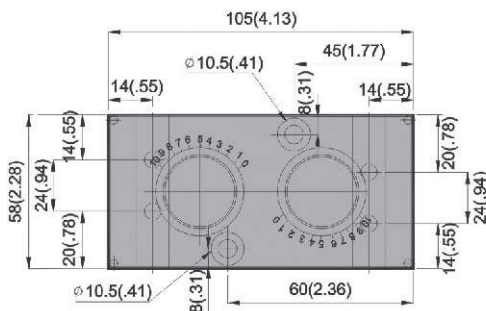


SYMBOL



Valve Specifications & Attachment

Model	FKC-G02-***-02B2
Free Flow	20 lpm (5.2 gpm)
Max. Pressure	70 bar (1000 psi)
Weight kg(lbs.)	1.32 (2.90)
CODE:20	M6 X45LgX2pcs
Surface O-Ring	P10X4pcs



Model	Within Flow Rate Adjusting (lpm)	Connection Bore
QVZ -G02-001-02B2	0.1 - 1	PT 1/4
QVZ -G02-002-02B2	0.1 - 2	
QVZ -G02-004-02B2	0.1 - 4	