



FCV Series

Differential Pressure Flow meter
to Provide Reliable Flow Solution

FCV General Specifications

Size	15A (1/2") - 150A (6")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std. Taper Pipe Thread type (PT)
Measured Fluid	Gas and Liquid
Flow Ranges	Water - 0.2 m ³ /h ~ 180 m ³ /h Air - 0.15 Nm ³ /h ~ 2800 Nm ³ /h
Accuracy	±2.0 % F.S (Option ±1.0 % F.S)
Fluid Temperature	Max 120 °C
Max. Pressure	SS400 - Max. 10 kgf/cm ² .G 304SS - Max. 30 kgf/cm ² .G

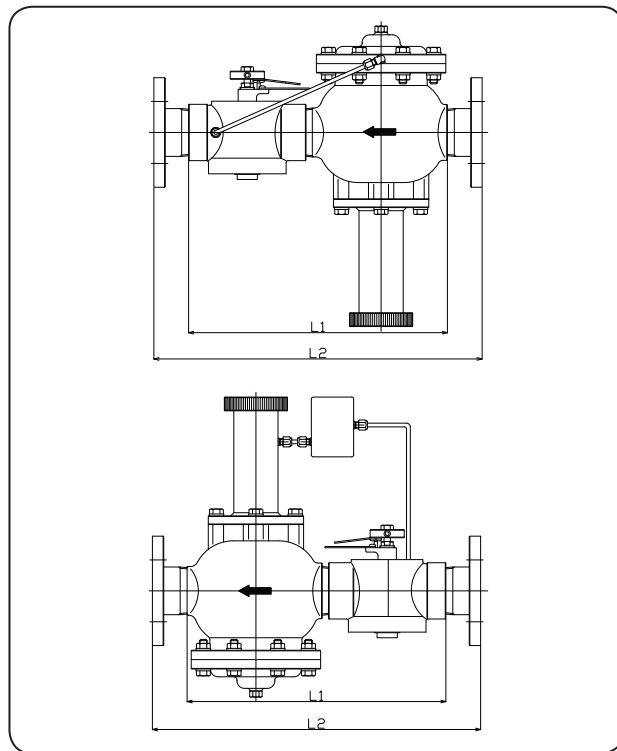
MODEL CODE

F C V	-	☐	Specification
		F	Flange
		T	Screw

STANDARD MATERIAL

Description		Material			
		A	B	C	D
Body	15A -65A	SS400	SCS13	PVC	SCS14
	80A -100A	SS400	SCS13	-	SCS14
	125A -150A	SS400	304SS	-	316SS
Spring		304SS	304SS	-	316SS
Diaphragm		NEOPRENE	NEOPRENE	FKM	PTFE
Air vent bolt		304SS	304SS	PVC	316SS
Flow control valve		C3064BE	SCS13	PVC	SCS14
Scale plate		304SS	304SS	-	304SS
Flange		SS400	304SS	PVC	316SS
Straight pipe part		C3064BE	304SS	-	316SS

STRUCTURAL DRAWING



FLOW RANGE & DIMENSIONS

Connection size		Flow range			Low Pressure Flow range		L (mm)	
		Water (m³/h)	Air 1 atm (Nm³/h)	OP (kgf/cm².G)	Water (m³/h)	Air 1 atm (Nm³/h)	L1 (Screw)	L2 (Flange)
15A	1/2 B	0.2 - 1	5 - 30	0.3 - 5	0.2 - 0.6	0.15 - 1	200	250
20A	3/4 B	0.5 - 2.5	10 - 50	0.3 - 5	0.4 - 1.5	0.15 - 1	200	270
25A	1 B	0.5 - 4.5	20 - 90	0.3 - 5	0.5 - 2.5	0.15 - 1	250	310
32A	1-1/4 B	1 - 7	30 - 150	0.3 - 5	0.5 - 4	0.15 - 1	260	340
40A	1-1/2 B	2 - 10	40 - 200	0.4 - 5	1 - 6	0.2 - 1	300	390
50A	2 B	4 - 18	50 - 300	0.4 - 5	2 - 10	0.2 - 1	310	420
65A	2-1/2 B	5 - 30	100 - 500	0.6 - 5	3 - 15	0.3 - 1	400	510
80A	3 B	8 - 40	200 - 800	0.6 - 5	4 - 20	0.3 - 1	-	580
100A	4 B	10 - 70	300 - 1200	0.6 - 5	5 - 35	0.3 - 1	-	700
125A	5 B	20 - 120	400 - 2000	0.7 - 5	10 - 60	0.3 - 1	-	900
150A	6 B	40 - 180	500 - 2800	0.7 - 5	20 - 90	0.3 - 1	-	1000