

2/2-Way Angled Metal Body Valve with Engineering Plastic-Piston Actuator.

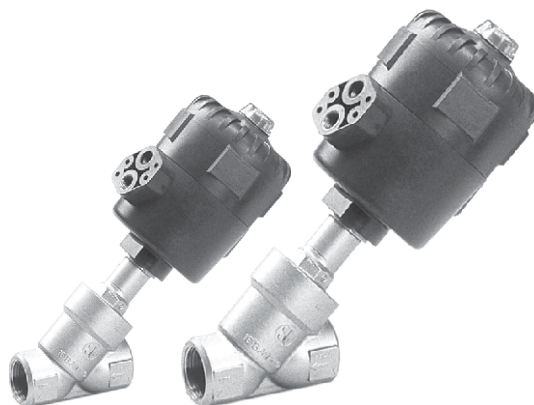
For On-Off Application (Rust Free Design), Normally Open Type.
6822M For Flow Over The Seat, 6844M For Flow Under The Seat

DATA SHEET
PV-6822M
PV-6844M

SPECIFICATIONS

Sizes	: 15mm (1/2") to 50mm (2").
Construction	: 6822M-NO-Flow over the seat. 6844M-NO-Flow under the seat.
Body and Bonnet	: Standard-Investment casted SS-ASTM A351 CF8 (DIN1.4301). Optional-Investment casted SS- ASTM A351CF8 (DIN1.4408) (GX6 Cr.Ni MO1810)
Pressure Temp. Rating	: As per ANSI Class 300.
End Connection	: Standard- BSP(F), Optional- NPT(F)[1], Socket weld[2], Flange end[5], Spigot end [6],TC end[7].
Seating	: Standard-Soft seat PTFE backed by EPDM. Optional-VITON/EPDM/ Buna Nitrile.
Leakage	: As per ANSI B16.104-1976 PTFE seating class IV Drop Tight/Bubble Tight.
Trim	: Standard- SS AISI 304, Optional- SS AISI 316.
Stem Packing	: Self adjusting, Spring loaded PTFE packing.
Characteristic	: On-Off, Normally Open.
Working Fluid Press.	: Refer to table bellow.
Working Temperature	: On steam-continuous 155°C, Intermittent 180 °C, EPDM 135 °C, VITON 180 °C,

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ACTUATOR

Spring Return type Engineering Plastic Pneumatic Actuator.
Cylinder, Cover, Body : Glass filled polyamide.
& Piston

Piston Packing	: Buna Nitrile.
Actuator Spring	: IS 4454 Grade III, duly painted.
Pilot Pressure	: 3.5 to 6 bar (refer to graph)
Solenoid Mounting	: Valve has built in Namur mounting interface, any standard Namur Solenoid Valve can be fitted
Operating cycles Per hour	: 15mm, 20mm, 25mm upto 600 cy/hr., 35mm and 50mm upto 300 cy/hr.(tested on air, on other fluids this figure may vary).

Air Quality	: Lubricated/Non-lubricated.
Max. Operating Pressure differential.	: Refer to graph.
Accessories	: Air lock, position indicating limit switch box, solenoid valve, filter regulator gauge. Other accessories available on application.
Application	: For control of air, water, oil, gas, steam in textile, power generation, paper & pulp, chemical, petrochemical industries, PSA nitrogen system, air dryer, gas generator and others.
Back Pressure	: Generally all models are suitable for back pressure upto 2.5 bar. However for specific application where higher back pressure is expected, refer to 'AVCON'.

SPECIFICATION TABLE

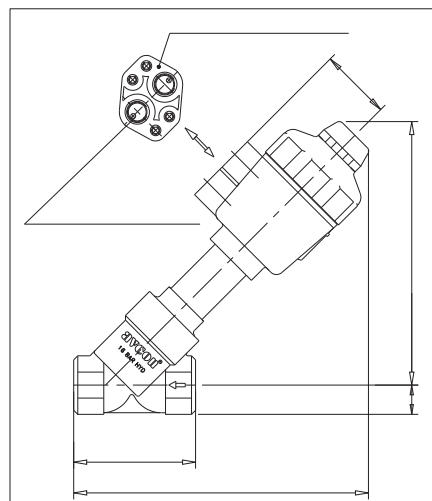
Catalogue Number	Size BSP(F)		Orifice Size	Flow Factor Kv	Maximum Pressure	Inlet Pressure Over/Under the seat	Body Test Pressure	Actuator Type	Air consumption	Weight ♦ (Approx.)
	Inch	mm								
6822M15X - K51	1/2	15	16	4.3	19	Over	30	K-51 NO	0.04	0.97
6822M20X - K51	3/4	20	16	5.4	10	Over	30	K-51 NO	0.06	1.18
6822M25X - K61	1	25	23	13.6	10	Over	30	K-61 NO	0.16	1.67
6822M30X - K81	1 1/4	30	32	31.8	10	Over	30	K-81 NO	0.64	2.50
6822M35X - K81	1 1/2	35	34	31.8	12	Over	30	K-81 NO	0.64	2.82
6822M50X - K81	2	50	45	54.8	6	Over	30	K-81 NO	0.64	7.05
6844M15X - K61	1/2	15	16	4.3	10	Under	30	K-61 NO	0.16	1.18
6844M20X - K61	3/4	20	16	5.4	10	Under	30	K-61 NO	0.25	1.67
6844M25X - K81	1	25	23	13.6	16	Under	30	K-81 NO	0.43	2.40
6844M30X - K81	1 1/4	30	32	31.8	10	Under	30	K-81 NO	0.43	2.90
6844M35X - K101	1 1/2	35	34	31.8	10	Under	30	K-101 NO	0.76	3.80
6844M50X - K101	2	50	45	54.8	10	Under	30	K-101 NO	0.76	4.95

♦ Weight of screwed end valves. For other models refer AVCON.

Water Hammer
Free Design

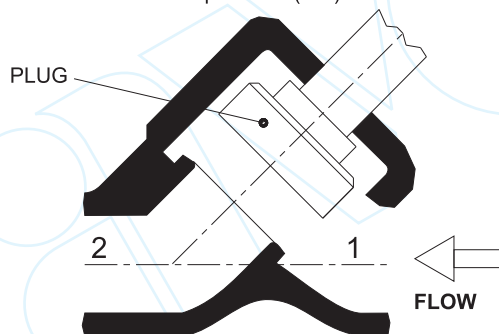
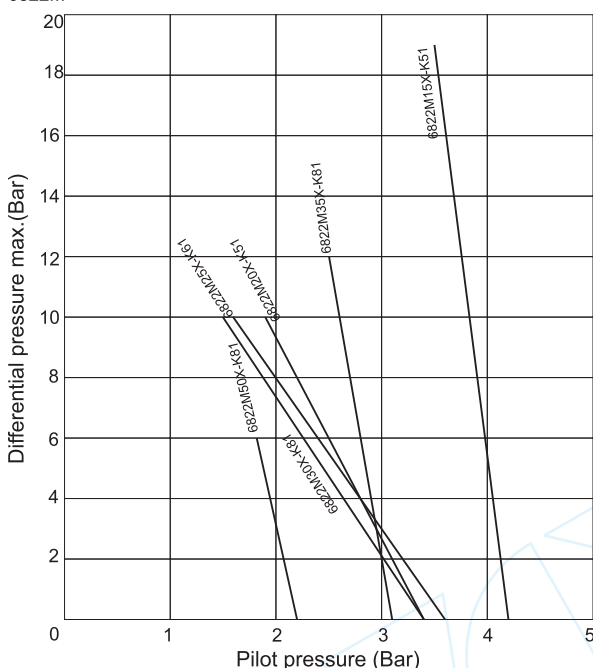
DIMENSIONS (IN MM)

Catalogue Number	Size		Actuator	A	B	C	D	E
	Inch	mm						
6822M15X-K51	1/2	15	K-51	63.5	16.8	157	44.0	177
6822M20X-K51	3/4	20	K-51	75.0	18.0	162	44.0	182
6822M25X-K61	1	25	K-61	90.0	21.5	180	52.0	204
6822M30X-K81	1 1/4	30	K-81	110.0	26.0	226	60.5	260
6822M35X-K81	1 1/2	35	K-81	125.0	29.0	226	60.5	265
6822M50X-K81	2	50	K-81	150.0	35.0	230	60.5	272
6844M15X-K61	1/2	15	K-61	63.5	16.8	167	52.0	188
6844M20X-K61	3/4	20	K-61	75.0	18.0	175	52.0	192
6844M25X-K81	1	25	K-81	90.0	21.5	204	60.5	230
6844M30X-K81	1 1/4	30	K-81	110.0	26.0	226	60.5	260
6844M35X-K101	1 1/2	35	K-101	125.0	29.0	265	73.0	302
6844M50X-K101	2	50	K-101	150.0	35.0	275	73.0	345



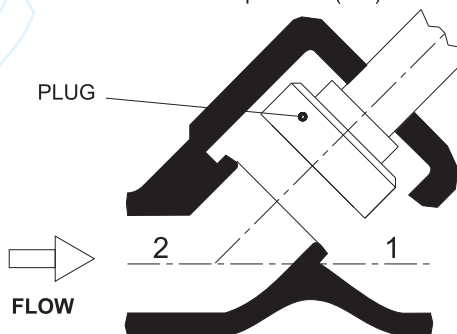
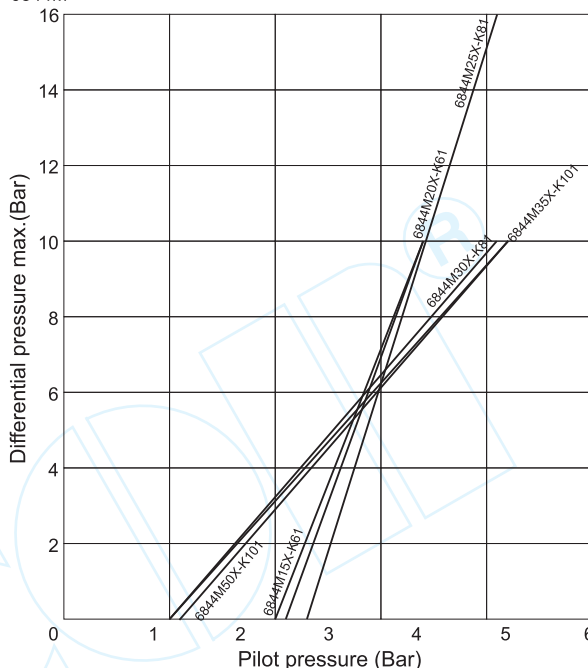
• Open tolerance ± 3 mm all over.

6822M



NORMALLY OPEN-FLOW OVER THE SEAT
CATALOGUE NO. 6822M

6844M



NORMALLY OPEN-FLOW UNDER THE SEAT
CATALOGUE NO. 6844M

Note:

Technical specifications, details & dimensions are subject to change without prior notice.
Dimensions in the table are approximate subject to final confirmation by AVCON.

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