

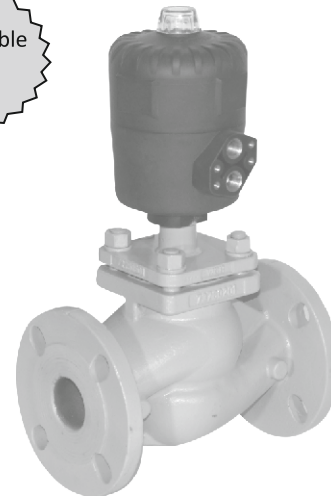
2/2-Way Pneumatic Piston Operated Valve with Engineering Plastic-Piston Actuator

DATA SHEET
PV-5812M-NC
PV-5822M-NO

For On-Off Application, 5812M For Flow Above Seat (Normally Closed),
5822M For Flow Above Seat (Normally Open).

SPECIFICATIONS

Sizes	: 15mm (1/2") to 150mm (6").
CONSTRUCTION	
Body	: Cast Iron : IS 210 Gr. FG 200. SG Iron- ASTM A536, Gr.60-40-18 (DIN 0.7043)(GGG40.3). Cast Steel: ASTM A 216 Gr. WCB St.St.: ASTM A 351CF8(SS304) or ASTM A351CF8M(SS316).
Pressure Temp. Rating	: As per ANSI B 16.5 Class 150.
End Connections	: Flanged as per ANSI B 16.5 Class 150.
Trim	: St. St. AISI 420/304/316 Ground and Burnished.
Stem Packing	: Self adjusting, Spring loaded, Teflon Packing.
Plug and Seat Seating	: St. St.: AISI 420/304/316 Soft seated PTFE. Optional-VITON/EPDM, Buna Nitrile.
Leakage	: Soft Seated Class VI , as per ANSI B 16.104-1976.
Characteristics	: On-Off, normally closed/open.
Working Fluid Pressure	: Refer to table below.
Working Temperature	: On steam- continuous :155°C, Intermittent 180°C, EPDM 135°C, VITON 180°C.



ACTUATOR

Spring Return type Engineering Plastic Pneumatic Actuator.	
Cylinder Cover & Piston:	Glass filled polyamide.
Piston Packing	: Buna Nitrile.
Actuator Spring	: IS 4454 Grade III, duly painted.
Act. Wkg. Pres. (Signal Pr.)	: 3.5 to 6 bar (refer to graph)
Operating cycles	: Upto 50 mm 300 cy/hr.,(tested on air,on other fluids this figure may vary). For other size details, refer to AVCON.

Life expectancy	: Over one million cycles (lab tested in ideal condition.)
Air Quality	: Lubricated filtered and free of moisture. Shop air or dry instrument quality air.
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, gas, steam in textile, power generator, paper & pulp, chemical, petrochemical industries, PSA nitrogen system, air dryers, gas generators and others.
Back Pressure	: Suitable upto 2.5 bar.
Instruction manual	: Refer to IM 5812M/5822M.

SPECIFICATION TABLE

TYPE 5812M, FOR NORMALLY CLOSED VALVE, FLOW ABOVE SEAT

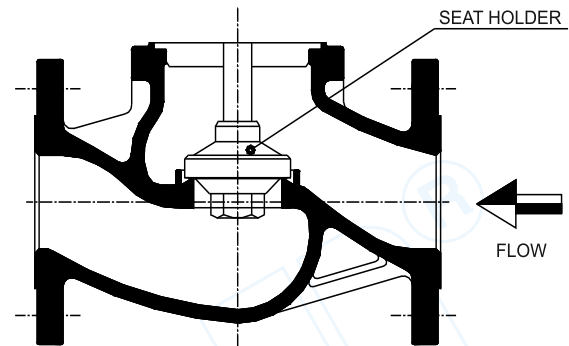
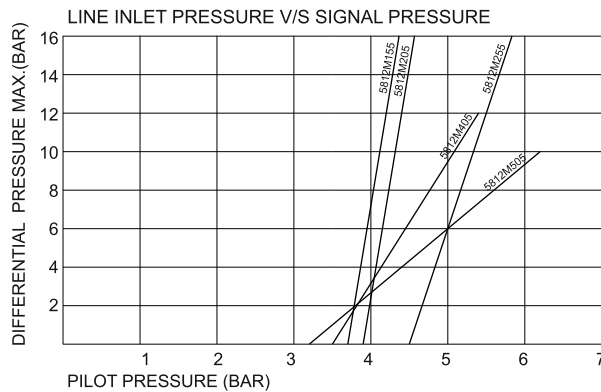
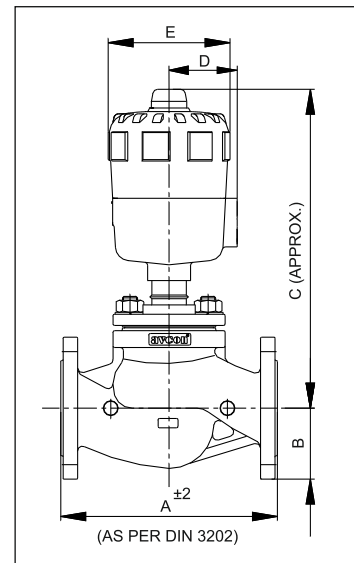
Catalogue Number	Size mm	Orifice Size mm	Flow Factor Kv M ³ /hr.	Maximum Pressure in Bar		Actuator Model No.	Air Consumption Lit/Cys.	Weight Kgs.
				Oil/Water/Air	Steam			
5812M155	15	15	4	16	10	K-61	0.06	3.1
5812M205	20	20	7	16	10	K-61	0.06	3.73
5812M255	25	25	10.5	16	10	K-81	0.25	6.43
5812M305	30	UNDER DEVELOPMENT						
5812M405	40	38	31	12	10	K-101	0.64	11.38
5812M505	50	50	42	10	8	K-101	0.64	15.67
TYPE 5822M, FOR NORMALLY OPEN VALVE, FLOW ABOVE SEAT								
5822M155	15	15	4	16	10	K-61	0.06	3.0
5822M205	20	20	7	16	10	K-61	0.06	3.74
5822M255	25	25	10.5	16	10	K-81	0.25	6.17
5822M305	30	UNDER DEVELOPMENT						
5822M405	40	38	31	8	7	K-101	0.64	10.27
5822M505	50	50	42	6	5	K-101	0.64	14.27

Note : 5812 & 5822 can not be interchanged & are to be ordered out separately.

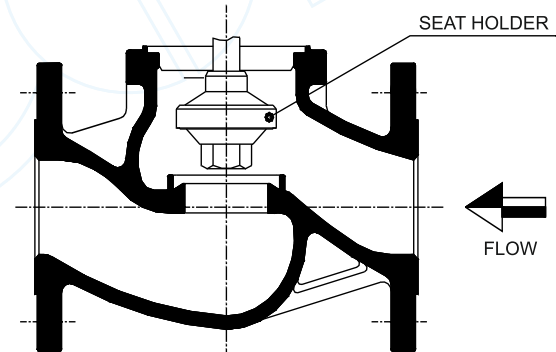
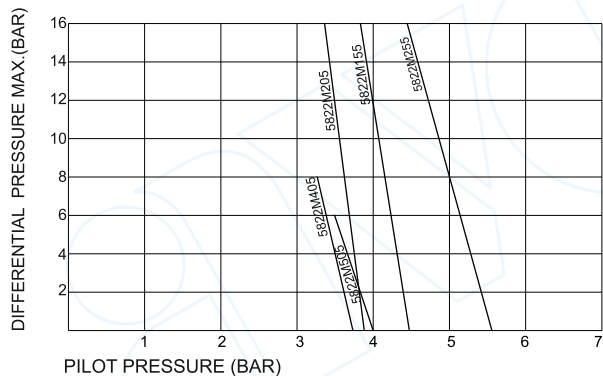
DIMENSIONS (IN MM)

Catalogue Number	Size		Actuator	A	B	C	D	E
	Inch	mm						
58XXM155	1/2	15	K-61	130	44.5	220	52	80
58XXM205	3/4	20	K-61	150	49	220	52	80
58XXM255	1	25	K-81	160	54	265	60.5	100
58XXM405	1 1/2	40	K-101	200	75	295	73	120
58XXM505	2	50	K-101	230	76	342	73	120

Combined dimensional table for 5812M and 5822M.



NORMALLY CLOSE-FLOW OVER THE SEAT
CATALOGUE NO. 5812M



NORMALLY OPEN-FLOW OVER THE SEAT
CATALOGUE NO. 5822M
(ONLY FOR AIR AND STEAM)
FOR WATER FLOW BELOW THE SEAT

Note:

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

WESTERN			EASTERN		
Mumbai Plot No. 65, Road No. 13, MIDC Marol, Andheri (East), Mumbai - 400 093 Tel.No.: 022-6915 6100 / 83909 17431 E-mail : acplmumbai.sales@avconcontrols.com	Pune Plot No. T - 108, MIDC Bhosari, Pune - 411 026. Maharashtra (INDIA). Tel.No.: 020-2712 0776 / 2712 0540 E-mail : acplmumbai.sales@avconcontrols.com	Baroda 307, Mangaldeep Complex, Sampatrao Colony, Productivity Road, Baroda - 390 005. Tel.No.: 022-6915 6100 / 83909 17431 E-mail : acplmumbai.sales@avconcontrols.com	Kolkata 720, 7th Floor, 33/1, N.S. Road, Marshal House, Kolkata- 700 001. Tel.No.: 033-4068 1180 / 77109 00889 E-mail : acplmumbai.sales@avconcontrols.com		
SOUTHERN			NORTHERN		
Chennai 249, First Floor, Tiny Sector Ambattur Industrial Estate, Chennai - 600 058 Tel.No.: 044-4807 4107 / 089393 12809 E-mail : acplmumbai.sales@avconcontrols.com	Hyderabad SSR ENCLAVE, Plot No. 81, Road No.4, Vasanth Nagar, Nizampet X Roads (Near JNTU College Metro Station.) Hyderabad - 500085. Tel.No.: 7995086416 E-mail : acplmumbai.sales@avconcontrols.com	Bangalore Tel.No.: 084312 56574 E-mail : acplmumbai.sales@avconcontrols.com	New Delhi Unit No. 708, 7th Floor, 94 Meghdoot, Nehru Place, New Delhi - 110019 Tel.No.: 011-42639736 / 88282 69844 E-mail : acplmumbai.sales@avconcontrols.com		

Manufactured by:

AVCON CONTROLS PVT. LTD.

Plot No. 65, Road No.13, MIDC Marol,
Andheri (East), Mumbai - 400 093 (INDIA).
Phone : +91-22-6915 6100.

E-mail : avcon@avconcontrols.com
acplmumbai.sales@avconcontrols.com
Website : www.avconcontrols.com