

2-Way Pneumatic Operated Diaphragm Seated Valves.

Normally Closed or Normally Open Type

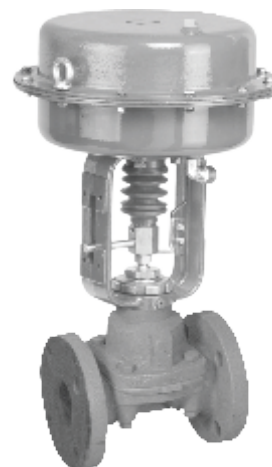
(Field Reversible from Normally Closed to Normally Open)

DATA SHEET
PV-5117B-NC
PV-5127B-NO

SPECIFICATIONS

Sizes	: 25mm (1") to 250mm (10").
Body Material	: CI-ASTM 126 Cl.B (DIN 0.06025 GG25). CS-ASTM A216 WCB (DIN 1.0619 GS-C 25). SS-ASTM A351 CF8(DIN1.4301)
Lining	: Bodies are available Un-Lined, Lined with Hard Rubber, Neoprene, Hyplon.
Diaphragm Material	: EPDM - Standard, available in Buna Nitrile, Neoprene, Hyplon, Silicon and PTFE
Compressor Material	: Cast iron /St. St.
Face to Face	: As per DIN-3202. Part I Series F1. (All Materials.)
Flanges	: As per ANSI B 16.5, Cl.150.
Pressure Rating	: As per BS 5156, Cl. 150
Leakage	: Soft Seated Weir Type Construction Class VI as per ANSI B 16.104.
Spindle	: SS AISI 304/410 ground and hard chrome plated.
Gland	: Soft seal gland incorporated as safety.
Characteristics	: On and Off.
Working Pres. Range	: Indicated in the table is considered, Pressure applicable from one end. If the pressure is applicable from both end, the figure should be reduced by 50%.
Applications	: For control of Air, Water, Oil, Liquids, Chemicals, Water Treatment Plant, Reverse Osmosis Plant, etc.

When asking for offer please specify body material, lining, diaphragm material, fluid passing through, pressure, temperature, volume flow, type of actuator, pneumatic pressure availability, SELECT MODEL NUMBER.



ACTUATOR

Pneumatic diaphragm type Multi Spring Reversible.	
Pressure chambers	: Steel pressing to IS 513CRCD.
Diaphragms	: Nylon inserted high Neoprene, rollform type.
Temperature Springs	: -20°C to +80° C
Max. Pres. Over diaphragm Yoke	: EN 47 - Cr. V. Steel.
	: Upto 4.5 bar.
Spindle	: Cast carbon steel castings one piece.
	: Guided through Teflon bearing, leakage prevented by Synthetic seal, protected by rubber bellow.

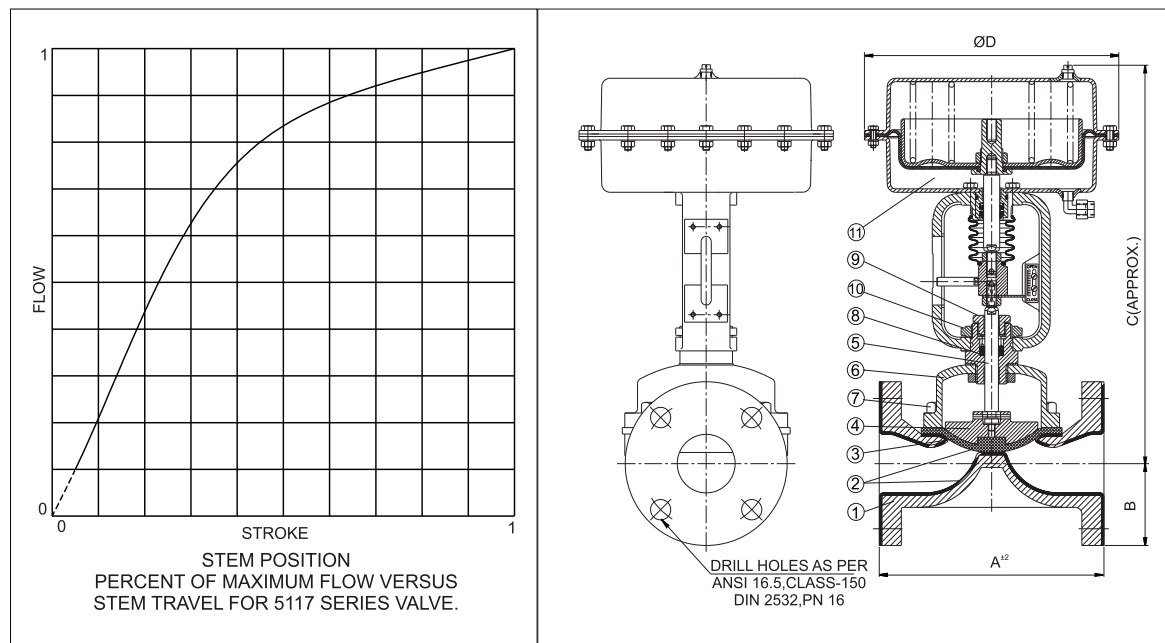
ACCESSORIES

: Valve Positioner (PTP), Valve Positioner (ETP), Position Transmitter (PTR), Air Lock Relay (ALR), Solenoid Valve (SVG), Filter Regulator Gauge(FRG), Manual Handwheel (MHG/MHL), Limit Switches, etc.

SPECIFICATIONS TABLE

Catalogue Number	Size	Flow Factor Kv		Safe Body Pressure	Actuator Number	Spring Range	Control Pressure	Fluid Working Pressure From One end (bar)	
		M³/hr.						EPDM/BN/N/SI	PTFE
	mm	E/BN/N/SI	PTFE						
5117B255 x 400	25	15	13	16	400	0.8 - 2.4	4.0	10	8
5117B305 x 400	30	23	19	16	400	0.8 - 2.4	4.0	10	7
5117B405 x 400/800	40	37	29/39	16	400/800	0.8 - 2.4	4.0	10	7
5117B505 x 400/800	50	70	51	16	400/800	0.8 - 2.4	4.0	8	7
5117B655 x 800	65	95	90	16	800	0.8 - 2.4	4.0	7	6
5117B805 x 800	80	133	115	16	800	0.8 - 2.4	4.0	6	4.5

2/2 WAY RUBBER LINED DIAPHRAGM SEATED VALVES WITH PNEUMATIC MULTI SPRING ACTUATOR.(NC)



BILL OF MATERIAL

Item	Parts	Material	Item	Parts	Material
1	Body	CS ASTM A216, Gr. WCB CI	7	Studs/Nuts	IS 1363, ASTM A 193, Gr.B7
2	Body Lining	NEOPRINE./ HYPLON, with lining H.R. NITRILE			IS 1363, ASTM A 194, Gr.2H
3	Diaphragm	NEOPRINE, BUNA NITRILE, HYPLON, SILICON, EPDM.	8	Gland Packing	Graphited PTFE
4	Compressor	CI	9	Gland Nut	SS AISI 304
5	Stem	SS AISI 410	10	Yoke Nut	CS ASTM A216, Gr. WCB
6	Bonnet	CI	11	Actuator	Multi Spring $\diamond$ Pneumatic Diaphragm
			$\diamond$	Refer to actuator leaflet for details of components.	

VALVES IN THIS SERIES ARE HAVEING FLANGES IN FLAT FACE ONLY. DIMENSIONS (IN MM)

Catalogue Number	Size Inch	Pneumatic Actuator	A	B	C	ØD	Wt Kg. (Approx.)	Envelope Size LxHxW (Approx.)	Box Wt. Kg. (Approx.)
5117B255 x 400	1	400	160	54.0	401	300	13.5	505 x 325 x 325	18.5*
5117B305 x 400	1 1/4	400	180	58.5	408	300	15.0	517 x 325 x 325	20.0*
5117B405 x 400	1 1/2	400	200	63.5	414	300	16.5	528 x 325 x 325	23.5*
5117B405 x 800	1 1/2	800	200	63.5	456	405	23.0	570 x 430 x 430	30.0*
5117B505 x 400 5117B505 x 800	2	400/800	230	76.0	465	300/405	27.5	591 x 325 x 325 591 x 430 x 430	37.5* 42.5*
5117B655 x 800	2 1/2	800	290	89.0	485	405	33.0	624 x 430 x 430	48.0**
5117B805 x 800	3	800	310	95.5	665	405	80.0	811 x 430 x 430	100.0**

Note:

* Weight of cardboard + PUF Box Packing. Which may change for Export when packed in wooden box.

** Weight of Wooden Box Packing.

For Normally Open Valve details please contact avcon.

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

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

EASTERN

Kolkata
720, 7th Floor, 33/1, N.S. Road,
Marshall House, Kolkata-700 001.
Tel.No.: 033-4068 1180 / 77109 00889
E-mail : acplmumbai.sales@avconcontrols.com

SOUTHERN

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

NORTHERN

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

avcon®
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