

2/2-Way Pulse and Pilot Valves.

Valves For Bag Filter / Dust Collector Service.

DATA SHEET

9150 A

9150B

9150E

SPECIFICATIONS

Sizes	: 3/4" (20 mm) to 3" (75 mm).
End Connections	: Standard-G-ISO-228(BSP-F). Optional: NPT.
Body Material	: 3/4" to 3" Aluminium Die Cast. Also available 3/4", 1" and 1.1/2" in ASTM A351A Gr. CF8M.
Body Test Pressure	: 15Bar (Refer to table below).
Max.Wkg.Pressure	: 8.5 Bar (Refer to table below).
Seat Material	: Standard - Hytrel, Optional - Buna Nitrile, Viton.
Core Tube Nut	: St.St.304/St.St.316.
Plunger/Stopper	: St.St.430FR.
Spring	: St.St.302.
Shading Ring	: Copper.
Temp.(ambient)	: 42Deg.C
Max.Wkg.Temp.	: Buna Nitrile:80Deg.C, Hytrel:120Deg.C, Viton:150Deg.C.
Voltage (AC)	: 230, 110, 48: 24 V - 50/60 Hz.
(DC)	: 24, 110, 240 V.
Enclosures	: General Purpose (IP20), Weatherproof- RD-WP-67. Flameproof-RD-FLP-IIC+WP67.
Approvals	: KLPL/PESO/CE/ATEX/BIS
Differential Pr.	: 0.3 to 8.5 bar, (Refer to Table below)
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Air, Gas.
Manual Override	: Not Available.
Mounting Bracket	: Not Available.
Sales Point	: AVCON Pulse type valve is specially designed for reverse air jet dust collector and exhaust gas purifier system. High flow, long operational life and fast opening and closing contributes to produce reliable and economical operation. Reliable valve for multi-million operations, economical in consumption of air.
Application	: Bag Filters for Cement Industry, Saw Mills, Masala Making & Others.
Mounting	: Vertical or Horizontal
Note	: Most Important - Do not connect small diameter incoming line to large size Header, Valve will get starved and will not get sufficient Volume.



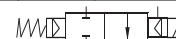
SPECIFICATION TABLE

WITHOUT PILOT OPERATOR, ANGLE TYPE EXTERNALLY PILOT.



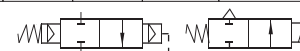
Catalogue Number	Pipe Size	Orifice Size	Flow Factor Kv	Minimum Pressure	Maximum Operating Pressure (bar)	BTP	Material		Constr. Ref.	VA Rating	Watt Rating	Coil	Housing
	mm	mm	M ³ /hr.	bar	Air	bar	Body	Seat		AC	DC	Type	
9150A20	20	29	11	0.3	8.5	15	AD	HY	37.1	--	--	--	--
9150A25	25	29	17	0.3	8.5	15	AD	HY	37.1	--	--	--	--
9150A35	35	52	43	0.3	8.5	15	AD	HY	37.1	--	--	--	--

WITH INTEGRAL OPERATOR, ANGLE TYPE.



9150B20	20	29	11	0.3	8.5	15	AD	HY	38.1	18	12	M45.1	SQ
9150B25	25	29	17	0.3	8.5	15	AD	HY	38.1	18	12	M45.1	SQ
9150B35	35	52	43	0.3	8.5	15	AD	HY	38.2	18	12	M45.1	SQ
9150B50	50	60	77	0.3	8.5	15	AD	HY	38.2	18	12	M45.1	SQ
9150B65	65	66	92	0.6	8.5	15	AD	HY	38.2	18	12	M45.1	SQ
9150B75	75	76	170	0.6	6.0	15	AD	HY	38.2	18	12	M45.1	SQ

WITH BUILT ON OPERATOR, FLANGE TYPE.



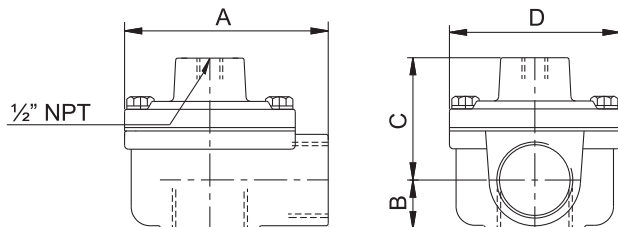
9150E80	80	80	137	0.3	2.3	8.5	AL	HY	43.1	18	12	M45.1	SQ
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ELECTRICAL REFERENCE

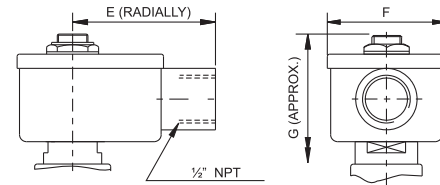
Coil Type	Power Consumption & Watt Rating			Class of Insulation	Protection	Certification Standard
	AC	DC				
M 45.1 SQ	25	18	12	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 RD	25	18	12	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 FLP IIC	25	18	12	H	FLP-IIC-IP-67	IS/IEC 60079-1-2014

DIMENSIONS (IN MM)

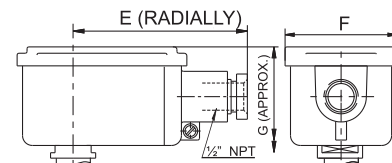
CONSTRUCTION REF. NO.: 37.1



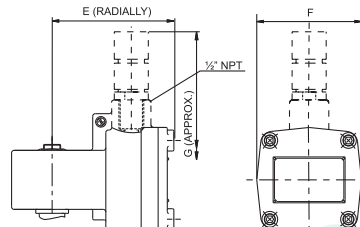
Valve fitted with M45 RD GP coil - General purpose enclosure as per IP-20



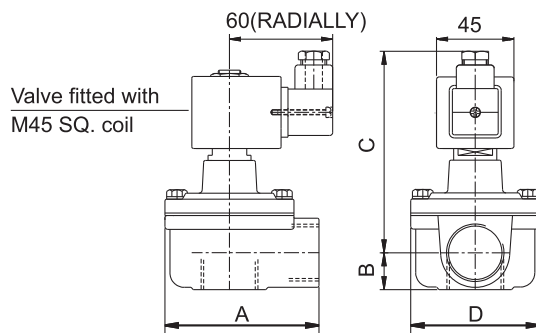
Valve fitted with M45 RD WP coil - Waterproof metallic enclosure as per IS/IEC 60529-2001 IP-67



Valve fitted with M45 FLP IIC coil - Flameproof metallic enclosure as per IS/IEC 60079-1-2014 IP-67.

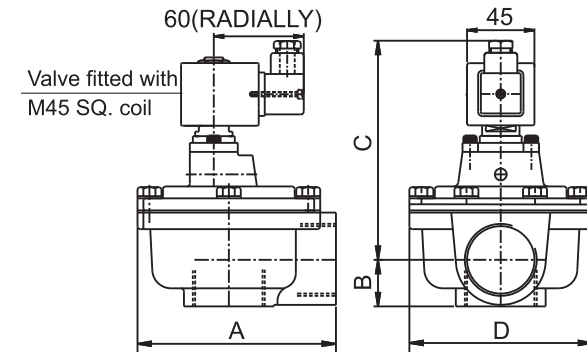


CONSTRUCTION REF. NO.: 38.2



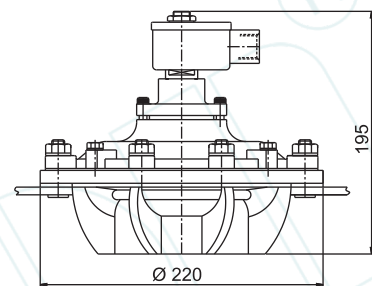
Valve fitted with M45 SQ. coil

CONSTRUCTION REF. NO.: 38.1



Valve fitted with M45 SQ. coil

CONSTRUCTION REF. NO.: 43.1



Catalogue Number	Pipe Size mm	Constr. Ref.	A	B	C	D	Weight (Approx.) Kgs. ◇	E (RADIALLY)			F			G (APPROX.)		
								RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9150A20	20	37.1	90	22	55	75	0.360	-	-	-	-	-	-	-	-	-
9150A25	25	37.1	90	22	55	75	0.360	-	-	-	-	-	-	-	-	-
9150A35	35	37.1	141	30	67	137	1.160	-	-	-	-	-	-	-	-	-
9150B20	20	38.1	90	22	119	75	0.728	60	96	96	48	62	80	106	114	184
9150B25	25	38.1	90	22	119	75	0.728	60	96	96	48	62	80	106	114	184
9150B35	35	38.2	141	30	148	137	1.508	60	96	96	48	62	80	135	143	213
9150B50	50	38.2	170	38	173	165	2.228	60	96	96	48	62	80	160	168	238
9150B65	65	38.2	170	44	213	165	3.023	60	96	96	48	62	80	200	208	278
9150B75	75	38.2	194	52	213	208	3.523	60	96	96	48	62	80	200	208	278
9150E80	80	43.1	220	-	195	220	3.0	60	96	96	48	62	80	195	203	273

◇ Weight with SQ enclosure only, ask AVCON for other weights.

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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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