

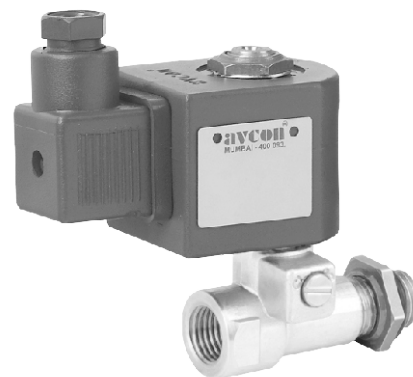
3/2-Way Midget Type, Direct Acting, Solenoid Valves.

Normally Inlet Closed, Energised to Open,
De-energised to Exhaust.

DATA SHEET
9354B

SPECIFICATIONS:

Sizes	: 1/4" (6 MM).
End Connections	: Standard-G-ISO-228(BSP-F) at inlet & BSP (M) at outlet. Optional - NPT at inlet.
Body Material	: Brass forged IS 6912.
Body Test Pressure	: 40 Bar.
Max.Wkg.Pressure	: 8 Bar (Refer table below).
Seat Material	: Std. : Buna Nitrile, Optional - 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.	: (-)5 to 80 Deg.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 to 8 bar (Refer table below).
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Air, Gas.
Manual Override	: Available as standard feature.
Mounting Bracket	: Not Applicable.
Sales Point	: Simple, reliable economical valve for multi-million operations.
Application	: For operating Diaphragm valves. Single acting cylinders, for opening Diaphragm and Piston Type Globe, Angle seated 2-Way and 3-Way Valves.
Mounting	: In horizontal pipeline, keeping solenoid upright and vertical.
Note	: 1) Use of Filter in the inlet size is highly recommended. 2) Not suitable for back pressure from outlet



SPECIFICATION TABLE 3/2 WAY NORMALLY CLOSED



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
					AC	DC		Body	Seat		AC	DC	Type	
	Inch	mm	M ³ /hr.	bar	Air/Gas	Air/Gas	bar	BR	BN	17	18	12	M45	SQ
9354B020	1/4"	2.0	0.08	0	8.0	7	40							

ELECTRICAL REFERENCE

Coil Type	Power Consumption & Watt Rating			Class of Insulation	Protection	Certification Standard
	AC		DC			
	VA Inrush	VA Holding	Watts			
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.: 17

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 M 45 RD FLP IIC coil - Flameproof metallic enclosure as per IS/IEC 60079-1:2014.

Catalogue Number	Pipe Size Inch	Constr. Ref.	A	B	C	Weight (Approx.) Kgs. ♦	E (RADIALLY)			F			G (APPROX.)		
							RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9354B020	1/4	17	56	9.5	85	0.550	60	96	96	48	62	80	87	112	157

♦ Wt with GP enclosure only, ask AVCON for other weights.

Note:

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

Ed.9354B-01-2023