

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

9350B - Normally Closed, Energised To Open,
9352B - Normally Open, Energised To Closed,
9350U - Universal Ported.

DATA SHEET
9350 B
9352 B
9350 U

SPECIFICATIONS

Sizes	: 1/4" (6 mm)
End Connections	: Standard-G-ISO-228(BSP-F) Optional-NPT.
Body Material	: Brass forged IS-6912, Optional: SS ASTM A351 Gr.CF8/CF8M.
Body Test Pressure	: 40 Bar (Refer to table below).
Max.Wkg.Pressure	: 10 Bar (Refer table below).
Seat Material	: Std. : Buna Nitrile, Optional - Viton, Neoprene.
Core Tube Nut	: St.St.304/St.St.316
Plunger/Stopper	: St.St.430FR.
Spring	: St.St.302.
Shading Ring	: Copper. Optional: Silver for corrosive media.
Temp.(ambient)	: 42Deg.C
Max.Wkg.Temp.	: (-)5 to 80Deg.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 10 bar (Refer to table below).
Coil Insulation	: Class 'H' upto 155Deg.C
Fluids	: Air,Water,Gas, Light oil, Mild corrosive fluids.
Manual Override	: Available.
Sales Point	: Simple, reliable economical valve for multi-million operation.
Application	: For operating Diaphragm valves, Single acting cylinders, Clutches, Automation of any type, Compressor loading and unloading, lubrication devices, textile printing and processing machinery.
Mounting	: In horizontal pipeline, keeping solenoid upright and vertical.
Note	: 1) Use of Filter in the inlet side is highly recommended. 2) Not suitable for back pressure from outlet side.



List Of Approvals

PESO	CE	EAC	IECEx	ATEX	SIL-3	ISI for Flame Proof Product	KLPL
✓	✓	✓	✓	✓	✓	✓	✓
						Ex db mb IIC T6 Gb	Ex tb IIIC T85°C Db

SPECIFICATIONS 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
	Inch	mm	M³/hr.		AC			DC							AC	DC	Type	
					Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil		bar	Body		Seat			
9350B015	¼	1.5	0.07	0	13	12	10	15	14	12	40	BR	BN	15.1	18	12	M45.1	SQ
9350B020	¼	2.0	0.08	0	6.5	6	5	7	6.5	6	40	BR	BN	15.1	18	12	M45.1	SQ
9350B025	¼	2.5	0.11	0	4	3.5	3	4	3.5	3	40	BR	BN	15.1	18	12	M45.1	SQ
9350B030	¼	3.0	0.13	0	2.5	2	2	2.5	2	2	40	BR	BN	15.1	18	12	M45.1	SQ
9350B026	¼	2.5	0.11	0	15	10	10	18	15	12	40	BR	BN	168	36	22	M50	SQ
9350B031	¼	3.0	0.15	0	10	9	8	13	13	10	40	BR	BN	168	36	22	M50	SQ
9350B041	¼	4.0	0.38	0	5	4.5	4	10	10	8	40	BR	BN	168	36	22	M50	SQ

3/2 WAY NORMALLY OPEN

9352B010	¼	1.0	0.04	0	10	9	8	10	9.5	8.5	40	CF8	BN	74.2	18	12	M45.1	SQ
9352B015	¼	1.5	0.07	0	7	6	6	7	6.5	6	40	CF8	BN	74.2	18	12	M45.1	SQ
9352B020	¼	2.0	0.08	0	4	3.5	3	4	3.5	3	40	CF8	BN	74.2	18	12	M45.1	SQ
9352B025	¼	2.5	0.11	0	2.8	2.5	2	2.8	2.5	2	40	CF8	BN	74.2	18	12	M45.1	SQ

3/2 WAY UNIVERSAL PORTED

9350U1606	¼	1.6	0.075	0	7	7	7	12	10	10	40	BR	BN	74.1	18	12	M45	SQ
9350U3206	¼	3.2	0.021	0	3	2	1	1	1	1	40	BR	BN	74.1	18	12	M45	SQ

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 50 SQ	50	36	22	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 50 RD	50	36	22	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 FLP IIC	25	18	12	H	FLP-IIC-IP67	IS/IEC 60079-1-2014
M 50 FLP IIC	50	36	22	H		

DIMENSIONS IN (MM)

CONSTRUCTION REF. NO.: 15.1		CONSTRUCTION REF. NO.: 15.2		Valve fitted with M50 RD GP coil - General purpose enclosure as per IP-20	
 BRASS BODY		 SS BODY			
CONSTRUCTION REF. NO.: 74.1		CONSTRUCTION REF. NO.: 74.2		Valve fitted with M50 RD WP coil - Waterproof metallic enclosure as per IS/IEC 60529-2001 IP-67	
 BRASS BODY		 SS BODY			
CONSTRUCTION REF. NO.: 168		CONSTRUCTION REF. NO.: 169		Valve fitted with M50 FLP IIC coil - Flameproof metallic enclosure as per IS/IEC 60079-1-2014 IP-67.	
 BRASS BODY		 SS BODY			

Catalogue Number	Pipe Size Inch	Constr. Ref.	A	B	C	Weight (Approx.)	E (RADIALLY)			F			G (APPROX.)		
						Kgs. ♦	RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9350B015-030	1/4	15.1	39.5	10.5	85	0.518	60	96	96	48	62	80	72	80	150
9350B015-030	1/4	15.2	51	12.6	78	0.503	60	96	96	48	62	80	65	73	143
9352B010-025	1/4	74.1	39.5	10.5	100	0.533	60	96	96	48	62	80	87	112	165
9352B010-025	1/4	74.2	51	12.6	93	0.533	60	96	96	48	62	80	80	105	158
9350B026-041	1/4	168	39.5	10.5	98	0.620	60	96	96	57	68	80	89	94	159
9350B026-041	1/4	169	51	12.6	91	0.605	60	96	96	57	68	80	82	87	151
9350U1606	1/4	74.1	39.5	10.5	100	0.533	60	96	96	48	62	80	87	112	165
9350U3206	1/4	74.1	39.5	10.5	100	0.533	60	96	96	48	62	80	87	112	165

♦ Weight with GP 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.

Page No. 232

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