

3/2-Way, Direct Acting, Inline Ported, Solenoid Valves

9321B - Normally Closed, Energised To Open,
9322B - Normally Open, Energised To Closed,
9323B - Universal Type.

DATA SHEET
9321B
9322B
9323B

SPECIFICATIONS

Sizes	: 1/4" (6 mm).
End Connections	: Standard-G-ISO-228(BSP-F), Optional-NPT.
Body Material	: SS ASTM A351 Gr.CF8/CF8M.
Body Test Pressure	: 40 Bar (Refer to table below).
Max.Wkg.Pressure	: 10 Bar (Refer to table below).
Seat Material	: Std. : Buna Nitrile, Optional - Viton, Neoprene, EPDM.
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 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.
Manual Override	: Available for 9321B, 9322B & 9323B.
Sales Point	: Simple, reliable valve for multi-million operation, having inlet, outlet and exhaust port.
Application	: For operating Diaphragm valves, Single acting cylinders, Clutches, Automation of any type, 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.



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							AC	DC	Type	
	Inch	mm	M³/hr.	bar	Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil	bar	Body	Seat	AC	DC	Type		
9321B10	1/4	1	0.04	0	12	10	8	12	11	10	40	CF8	BN	4.2	18	12	M45.1	SQ
9321B15	1/4	1.5	0.07	0	10	9	7	10	9.5	8	40	CF8	BN	4.2	18	12	M45.1	SQ
9321B20	1/4	2	0.08	0	7.5	7	5	8	7.5	6	40	CF8	BN	4.2	18	12	M45.1	SQ
9321B25	1/4	2.5	0.11	0	4.5	4	3.5	5	4.5	4	40	CF8	BN	4.2	18	12	M45.1	SQ
9321B30	1/4	3	0.15	0	2.5	2	2	2.5	2	2	40	CF8	BN	4.2	18	12	M45.1	SQ

3/2 WAY NORMALLY OPEN

9322B10	1/4	1	0.04	0	10	9	7	10	9.5	8	40	CF8	BN	4.2	18	12	M45.1	SQ		
9322B15	1/4	1.5	0.07	0	7	6	5	7	6	5	40	CF8	BN	4.2	18	12	M45.1	SQ		
9322B20	1/4	2	0.08	0	5.5	5	4	5.5	5	4.5	40	CF8	BN	4.2	18	12	M45.1	SQ		
9322B25	1/4	2.5	0.11	0	5	4	3	5	4	3.5	40	CF8	BN	4.2	18	12	M45.1	SQ		
9322B30	1/4	3	0.15	0	2.5	2	2	2.5	2	2	40	CF8	BN	4.2	18	12	M45.1	SQ		

3/2 WAY UNIVERSAL TYPE

9323B10	1/4	1	0.04	0	9	8	7	9	8	7	40	CF8	BN	4.2	18	12	M45.1	SQ		
9323B15	1/4	1.5	0.07	0	7	6	5	7	6	5	40	CF8	BN	4.2	18	12	M45.1	SQ		
9323B20	1/4	2	0.08	0	5	4	3.5	5	4	3.5	40	CF8	BN	4.2	18	12	M45.1	SQ		
9323B25	1/4	2.5	0.11	0	4	3.5	3	4	3.5	3.0	40	CF8	BN	4.2	18	12	M45.1	SQ		
9323B30	1/4	3	0.15	0	2	1.5	1	2	1.5	1	40	CF8	BN	4.2	18	12	M45.1	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 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. : 4.2						
Catalogue Number	Pipe Size Inch	Constr. Ref.	A	B	C	Weight (Approx.) Kgs. ♦
9321B10 To 30	1/4	4.2	39	33	84	0.683
9322B10 To 30	1/4	4.2	39	33	84	0.683
9323B10 To 30	1/4	4.2	39	33	84	0.683
♦ Weight with SQ enclosure only, ask AVCON for other weights.						
E (RADIALLY)			F			G (APPROX.)
RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP
60	96	96	48	62	80	71
60	96	96	48	62	80	71
60	96	96	48	62	80	71

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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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