

2/2-Way Force Lift, Diaphragm Type, Solenoid Valves.

Normally Closed, Energised To Open.

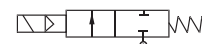
DATA SHEET
9230 D

SPECIFICATIONS

Sizes	: 3/8" (10 mm) & 2" (50 mm).
End Connections	: Standard-G-ISO-228(BSP-F), : Optional-NPT.
Body Material	: SS ASTM A351 Gr.CF8/CF8M.
Body Test Pressure	: 40 Bar.
Max.Wkg.Pressure	: 6 Bar (Refer 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 table below).
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Air, Gas, Water, Vacuum, Light Oil, Mild corrosive fluid, etc.
Manual Override	: Available for Normally Closed at Bottom.
Optional	: Mounting bracket.
Sales Point	: Large ported full flow, reliable, compact, maintenance free.
Application	: Gas burning equipments, autoclaves, oil centrifuge plants, vacuum plants. Pump seal water application, low pressure water circulation system, solar heating systems, gas generator and others.
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 side.



SPECIFICATION TABLE 2/2 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										
	Inch	mm	M³/hr.	bar	Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil	bar	Body	Seat		AC	DC	Type	
9230D104	3/8	16	2.6	0	6	4	3	6	5	3	40	CF8	BN	166	36	22	M50	SQ
9230D154	1/2	16	3.4	0	6	4	3	6	5	3	40	CF8	BN	166	36	22	M50	SQ
9230D204	3/4	19	4.3	0	6	3.5	3	6	4	3	40	CF8	BN	166	36	22	M50	SQ
9230D254	1	25	8.6	0	6	3.5	2	6	4	2.5	40	CF8	BN	166	36	22	M50	SQ
9230D304	1 1/4	28	14.6	0	5	3.5	2	5	4	2	40	CF8	BN	166	36	22	M50	SQ
9230D354	1 1/2	34	17.3	0	5	3	2	5	4	2	40	CF8	BN	166	36	22	M50	SQ
9230D504	2	45	30.5	0	4	3	2	4	3	2	40	CF8	BN	166	36	22	M50	SQ

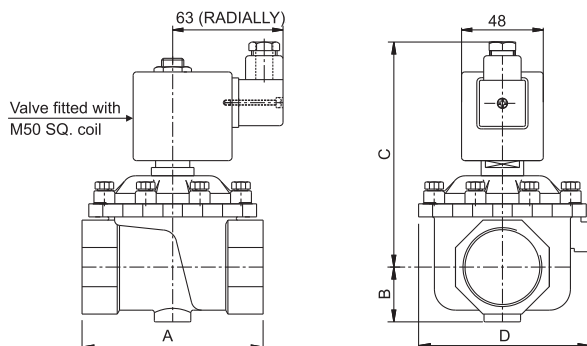
ELECTRICAL REFERENCE

Coil Type	Power Consumption & Watt Rating			Class of Insulation	Protection	Certification Standard
	AC		DC			
	VA Inrush	VA Holding	Watts			
M 50 SQ	50	36	22	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 50 FLP IIC	50	36	22	H	FLP-IIC-IP-67	IS/IEC 60079-1-2014

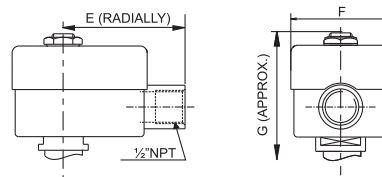
DIMENSIONS IN (MM)

Catalogue Number	Pipe Size	Constr. Ref.	A	B	C	D	Weight (Approx.)
	Inch						Kgs. ◇
9230D104	3/8	166	65	14.5	119	72	1.12
9230D154	1/2	166	65	14.5	119	72	1.12
9230D204	3/4	166	80	26	124	80	1.495
9230D254	1	166	95	27	129	96	1.65
9230D304	1 1/4	166	100	30	138	101	2.275
9230D354	1 1/2	166	118	34	144	102	2.38
9230D504	2	166	137	42	154	133	3.715

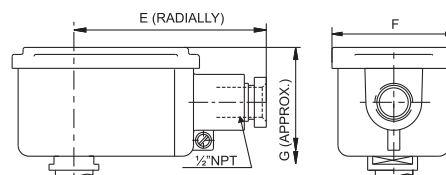
CONSTRUCTION REF. NO.: 166



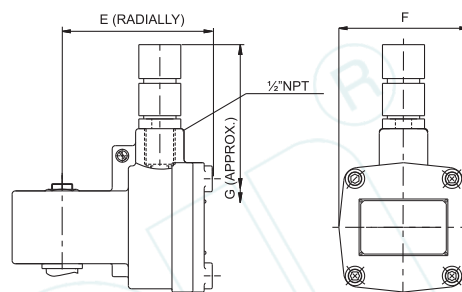
Valve fitted with M50 RD GP coil -
General purpose enclosure as per IP-20



Valve fitted with M50 RD WP coil -
Waterproof metallic enclosure as per IS/IEC 60529-2001 IP-67



Valve fitted with M50 FLP IIB / FLP IIC coil - Flameproof
metallic enclosure as per IS/IEC 60079-1:2014. IP- 67



Catalogue Number	Pipe Size	Constr. Ref.	E (RADIALLY)			F			G (APPROX.)		
	Inch		RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9230D104	3/8	166	66	96	96	57	68	80	110	115	180
9230D154	1/2	166	66	96	96	57	68	80	110	115	180
9230D204	3/4	166	66	96	96	57	68	80	115	120	185
9230D254	1	166	66	96	96	57	68	80	120	125	190
9230D304	1 1/4	166	66	96	96	57	68	80	129	134	199
9230D354	1 1/2	166	66	96	96	57	68	80	135	140	205
9230D504	2	166	66	96	96	57	68	80	145	150	215

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

Ed.9230D-Dec-2025

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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NORTHERN	

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