

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

Normally Closed, Energised To Open.

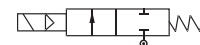
DATA SHEET
9230 D

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
	Inch	mm	M³/hr.		bar	AC			DC						AC	DC	Type	
				Air/Gas		Water	Light Oil	Air/Gas	Water	Light Oil	bar	Body	Seat					
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

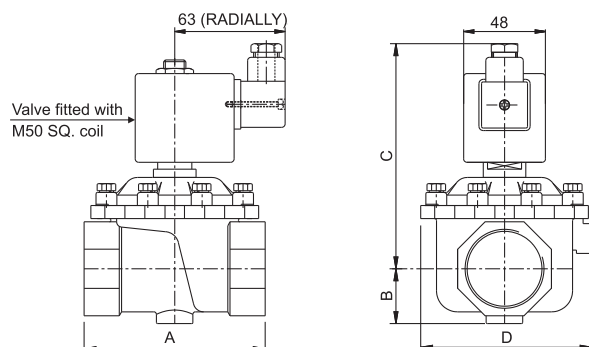
ELECTRICAL REFERENCE

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

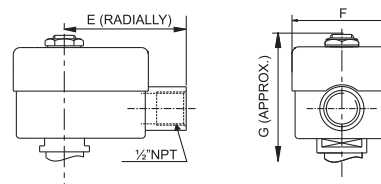
DIMENSIONS IN (MM)

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

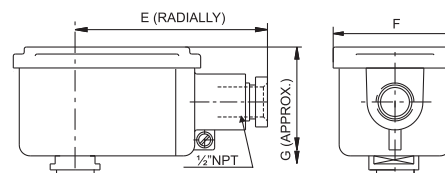
CONSTRUCTION REF. NO.: 166



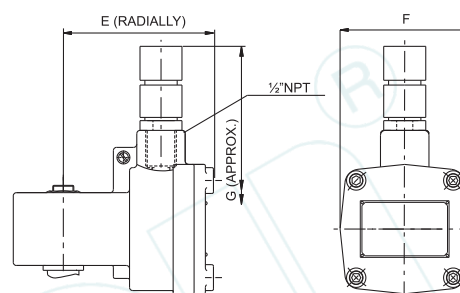
Valve fitted with M50 RD GP coil - General purpose enclosure as per IP-20



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.

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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