

2/2-Way Pilot Operated, Diaphragm Type, Solenoid Valves.

DATA SHEET 9130 D

For steam and hot water application upto 5 bar pressure Normally Closed, Energised To Open.

SPECIFICATIONS

: 10mm (3/8") to 50mm (2") Sizes : Standard-G-ISO-228 (BSP-F). **End Connections** Construction-Body : Upto 20mm (3/4") Brass forged

IS 6912 and above in SS ASTM A351 Gr.CF8 or CF8M.

Diaphragm-Seat : Standard Silicon.

: From 0.5 to 5 bar (See Table). Differential Pressure

: Standard-230-volts, Coil Voltage

50Hz. A C.

Optional - 24,110, 240 V AC 50Hz or 60Hz & 24 V DC.

Coil Insulation : Ambient upto 42°C.

Class 'C' insulated upto 180°C. and Temperature.

Coil Rating : Continuously rated.

Enclosure Standard-General purpose : SQ. moulded coil upto IP-20, Optional-Weatherproof SQ. moulded coil upto IP-67,

Flameproof coil upto FLP IIC. Approvals : CIMFR Dhanbad, CCOE Fluids : Steam temp. upto 120°C. Hot water temp upto 95°C.

Sales Point : Diaphragm Pilot operated,

standard valve for low pressure steam application.

Application : Steaming equipment, textile,

processing equipment, laundry equipment, kitchen equipment

and others.



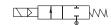
Note : Not suitable for back pressure from outlet side. Hot water

temperature limited upto 95°C only.

Suitable for wet steam:

For high pressure steam, use valve type 9130H. For instruction manual refer Gen IM SV & Gen IM Coils. Manual override not available. USE OF FILTER IN THE INLET SIDE IS HIGHLY RECOMMENDED.

SPECIFICATION TABLE 2/2 WAY NORMALLY CLOSED



Catalogue Number	Pipe Size	Orifice Size	Flow Factor Kv	Minimum Pressure	Maximum Operating Pressure (bar)		втр	Mat	erial	Constr. Ref.	VA Rating	Coil	Housing
	Inch	mm	M³/hr.	bar	Hot Water*	Steam	bar	Body	Seat	AC AC	Туре		
9130D104	3/8	16	2.6	0.5	5	4	40	BR	Silicon	159	36	М50-НТ	SQ
9130D154	1/2	16	3.6	0.5	5	4	40	BR	Silicon	159	36	М50-НТ	SQ
9130D204	3/4	20	5.3	0.5	5	4	40	BR	Silicon	159	36	М50-НТ	SQ
9130D254	1	25	8.6	0.5	5	4	40	CF8	Silicon	159	36	M50-HT	SQ
9130D304	1 1/4	28	14.0	0.5	5	4	40	CF8	Silicon	159	36	М50-НТ	SQ
9130D354	1 1/2	34	17.3	0.5	5	4	40	CF8	Silicon	159	36	М50-НТ	SQ
9130D504	2	45	30.5	0.5	5	4	40	CF8	Silicon	159	36	M50-HT	SQ

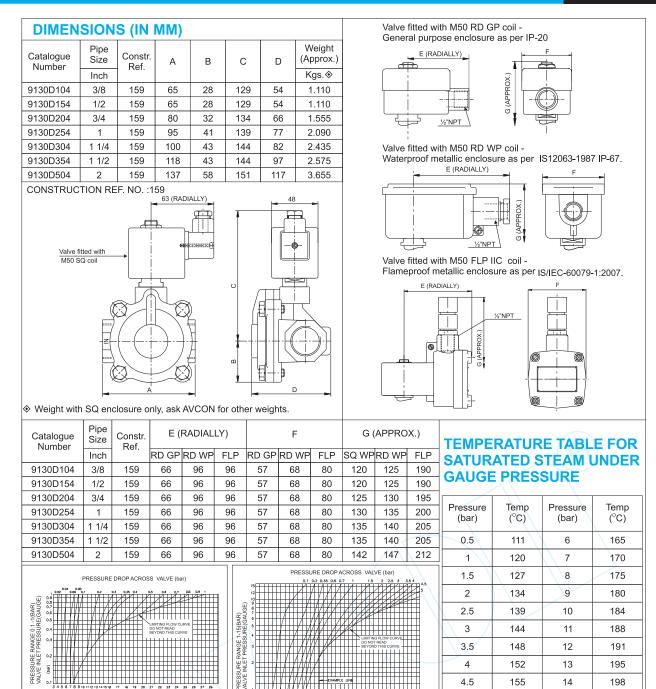
^{*} Hot water at 95°C only

ELECTRICAL REFERENCE

Coil Type		tion & Watt Rating	Class	Protection		
	VA Inrush	VA Holding	Insulation			
M 50 HT SQ	50	36	С	GP/WP IP-67		
M 50 HT RD	50	36	С	GP/WP IP-67		
M 50 HTFLP IIC	50	36	С	IS/IEC 60079-1:2007, Group IIC. IS 12063-1987 IP-67 (IEC 60529:1989).		

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FLOW CALCULATION GRAPHS FOR SATURATED STEAM: The valve flow coefficient Kv=1, If one cubic meter (m^3) water (at 30°C) is passing through the valve per hour with a pressure drop (Δp) of 1 bar. To select the right valve with certain Kv value, read the steam flow graphs as follows.

EXAMPLE: A valve is required to pass 400 Kg/h (Qm) of saturated steam at inlet pressure of 7 bar (g) (Δp) of 0.5 bar: What is the Kv?

SOLUTION: Read the steam graph to find the graph factor(Fg) and use the formula: $K_V = \frac{Qm}{Fg} = \frac{400}{45} = 8.5$

NOTE: Absolute pressure = gauge pressure plus atmospheric pressure of 1.033 bar. In most system it is desirable to keep the pressure drop to a minimum. Never use a (Δp) greater than 50% of the absolute inlet pressure because excessive pressure drop cause irregular flow.

Note:

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



Manufactured by:

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