

2/2-Way Pilot Operated, High Pressure Solenoid Valves.

9100H- Normally Closed, Energised To Open,
9120H- Normally Open, Energised To Close.

DATA SHEET
9100H
9120H

SPECIFICATIONS

Sizes	: 3/8" (10 mm) to 3" (75 mm).
End Connections	: Standard-G-ISO-228 (BSP-F), Optional-NPT.
Body Material	: Standard-SS ASTM A351 Gr.CF8. Optional-SS ASTM A351 Gr.CF8M.
Body Test Pressure	: 40 Bar (Refer to table below).
Max.Wkg.Pressure	: 12 Bar (Refer to table below).
Seat Material	: Std.: PTFE, Optional - Viton.
Core Tube Nut	: St.St.304 / St.St.316.
Plunger/Stopper	: St.St.430FR.
Spring	: St.St.302.
Shading Ring	: Std.: Copper.
Temp.(ambient)	: 42Deg.C.
Max.Wkg.Temp.	: (-)5 to 120 Deg.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.	: 2 to 24 bar. (Refer to table below).
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Air,Water,Gas, Light Oil, Heavy oil.
Manual Override	: Only for 9100H-Normally Closed Valve. Not available for 9120H-Normally Open Valve.
Optional	Mounting Bracket.
Sales Point	: Most reliable, maintenance free, on-off valve in our range.
Application	: Chemical, Textile, Cement Machinery, Combustion equipments, Air dryer, Cleaning equipment and others. Not suitable for Steam.
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.

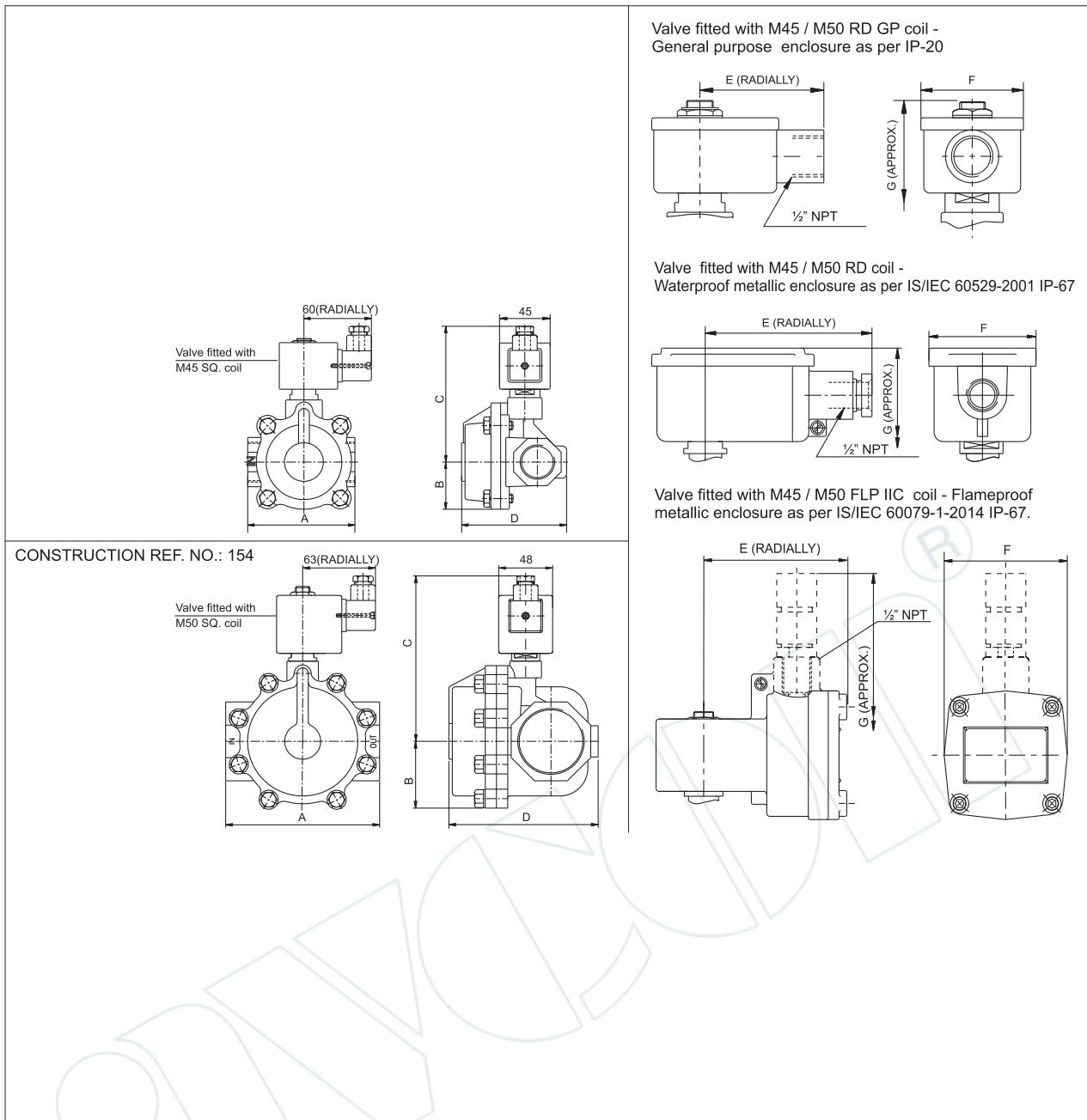


SPECIFICATION TABLE 2/2 WAY NORMALLY CLOSED

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		
				Air/Gas		Water	Light Oil	Air/Gas	Water	Light Oil	bar	Body	Seat					
9100H104	3/8	16	2.6	2	20	16	7	24	24	20	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9100H154	1/2	16	3.4	2	20	16	7	24	24	20	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9100H204	3/4	20	5.2	2	20	16	7	24	24	20	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9100H254	1	25	8.6	2	18	16	7	24	24	20	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9100H304	1 1/4	28	14.0	2	18	16	7	24	24	20	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9100H354	1 1/2	34	17.3	2	18	16	7	24	20	10	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9100H504	2	45	30.5	2	18	14	7	22	16	10	40	CF8	PTFE	154	18	12	M45.1	SQ
9100H654	2 1/2	60	45	2	14	10	7	14	14	10	40	CF8	PTFE	154	36	22	M50	SQ
9100H754	3	72	66	2	14	9	6	14	12	8	40	CF8	PTFE	154	36	22	M50	SQ

2/2 WAY NORMALLY OPEN (NEW MAGNETIC CONSTRUCTION TYPE)

9120H104	3/8	16	2.6	2	12	12	7	12	12	7	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9120H154	1/2	16	3.4	2	12	12	7	12	12	7	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9120H204	3/4	20	5.2	2	12	12	7	12	12	7	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9120H254	1	25	8.6	2	10	10	7	10	12	7	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9120H304	1 1/4	28	14.0	2	10	10	7	10	10	7	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9120H354	1 1/2	34	17.3	2	10	10	7	10	10	7	40	CF8	PTFE	9.1	18	12	M45.1	SQ
9120H504	2	45	30.5	2	10	10	7	10	10	7	40	CF8	PTFE	154	18	12	M45.1	SQ
9120H654	2 1/2	60	45	2	6	7	5	6	7	5	40	CF8	PTFE	154	36	22	M50	SQ
9120H754	3	72	66	2	5	6	5	5	6	5	40	CF8	PTFE	154	36	22	M50	SQ



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