

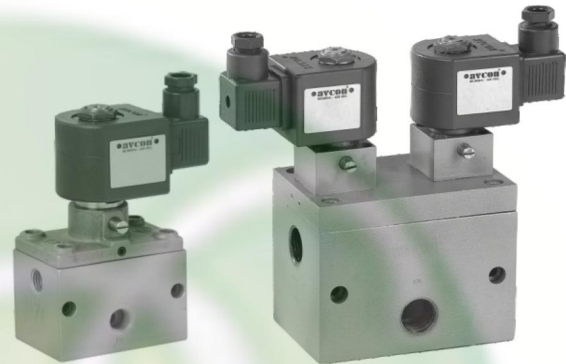
4/2-Way Pilot Operated, Poppet Type, Solenoid Valves.

2 Position Single And Dual Solenoids.

DATA SHEET
9470D
9472D

SPECIFICATIONS

Sizes	: 6mm (1/4") to 15mm (1/2").
End Connections	: Standard-G-ISO-228 (BSP-F), Optional - NPT.
Construction-Body	: Standard Aluminium deep anodised bar stock.
-Seat	: Standard-Nitrile (Buna 'N'), Optional-Viton.
Differential Pressure	: From 2 to 10 bar.
Temperature of fluid	: -5°C to 80 °C.
Coil Voltage	: Standard-230-volts, 50Hz. A.C. Optional - 24, 110, 240 V DC & AC 50Hz or 60Hz.
Coil Insulation and Temperature.	: Ambient upto 42°C. Class 'H' insulated upto 155°C.
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. (Except 9472 D 06)
Fluids	: Lubricated and non lubricated air, gas (with modification-light oil.)
Optional feature	: External pilot fluid.



Sales Point	: Reliable fast acting valve for multimillion operations. Lockable resettable manual override as a standard.
Application	: For operating double acting cylinders or two single acting cylinders, used in pneumatic circuitry, textile processing machinery, for operation of quarter turn actuators, robots and others.
Note	: USE OF FILTER IN THE INLET SIDE IS HIGHLY RECOMMENDED.

SPECIFICATION TABLE 4/2 POSITION SINGLE SOLENOID



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					
9470D06	1/4	6	0.6	2	10	--	--	10	--	--	15	AL	BN	26.1	18	12	M45.1	SQ
9470D10	3/8	10	1	2	10	--	--	10	--	--	15	AL	BN	26.1	18	12	M45.1	SQ
9470D15	1/2	12	1.14	2	10	--	--	10	--	--	15	AL	BN	26.1	18	12	M45.1	SQ

4/2 POSITION DUAL SOLENOIDS



*9472D06	1/4	6	0.7	2	10	--	--	10	--	--	15	AL	BN	27.1	18	12	M45.1	SQ	
9472D10	3/8	10	1	2	10	--	--	10	--	--	15	AL	BN	27.1	18	12	M45.1	SQ	
9472D15	1/2	12	1.14	2	10	--	--	10	--	--	15	AL	BN	27.1	18	12	M45.1	SQ	

*Only SQ. Coil available.

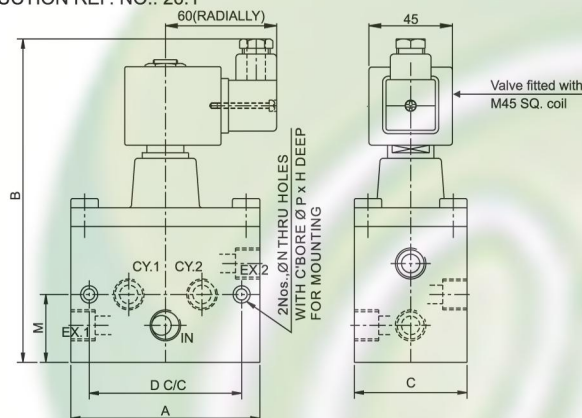
ELECTRICAL REFERENCE

Coil Type	Power Consumption & Watt Rating			Class of Insulation	Protection
	AC		DC		
	VA Inrush	VA Holding	Watts		
M 45.1 SQ	25	18	12	H	GP/WP IP-67
M 45.1 RD	25	18	12	H	GP/WP IP-67
M 45.1 FLP IIC	25	18	12	H	IS/IEC 60079-1:2007, Group IIC. IS/IEC 60529-2001 IP-67

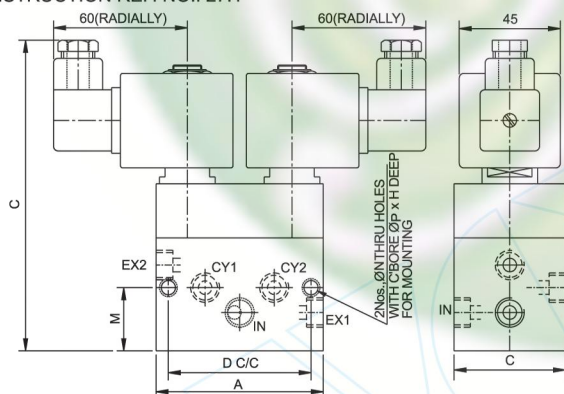
DIMENSIONS IN (MM)

Catalogue Number	Pipe Size Inch	Constr. Ref.	A	B	C	D	M	ØN	ØP	H	Weight (Approx.) Kgs. ♦
9470D06	1/4	26.1	75	140	50	64	28	6.3	8	6	0.973
9470D10	3/8	26.1	114	183	76	92	39	7.0	10	8	2.623
9470D15	1/2	26.1	114	183	76	92	39	7.0	10	8	2.623
9472D06	1/4	27.1	75	140	50	64	28	6.3	8	6	1.506
9472D10	3/8	27.1	114	170	76	92	39	7.0	10	8	2.946
9472D15	1/2	27.1	114	170	76	92	39	7.0	10	8	2.946

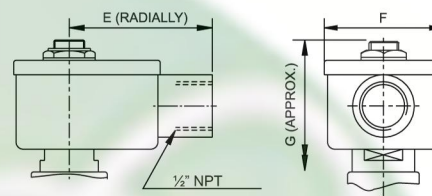
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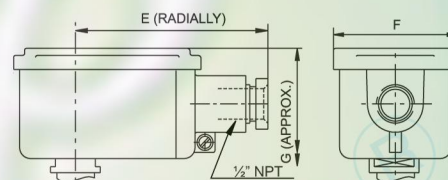
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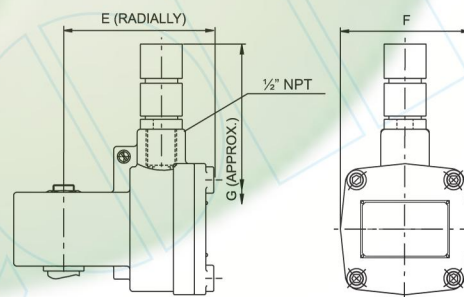
Valve fitted with M45 RD GP coil -
General purpose enclosure as per IP-20



Valve fitted with M45 RD WP coil -
Waterproof metallic enclosure as per IS/IEC 60529-2001 IP-67



Valve fitted with M45 RD FLP IIC coil - Flameproof
metallic enclosure as per IS/IEC 60079-1:2007.



Catalogue Number	Pipe Size Inch	Constr. Ref.	E (RADIALLY)			F			G (APPROX.)		
			RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9470D06	1/4	26.1	60	96	96	48	62	80	127	135	205
9470D10	3/8	26.1	60	96	96	48	62	80	170	178	248
9470D15	1/2	26.1	60	96	96	48	62	80	170	178	248
9472D06	1/4	27.1	--	--	--	--	--	--	--	--	--
9472D10	3/8	27.1	60	96	96	48	62	80	157	165	235
9472D15	1/2	27.1	60	96	96	48	62	80	157	165	235

♦ Weight with SQ enclosure only, using Aluminium bodies; 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.