

4/2 & 4/3-Way Pilot Operated, Spool & Sleeve Type, Solenoid Valves.

2 Position Single Solenoid, 2 Position Dual Solenoids, 3 Position Dual Solenoids.

DATA SHEET
9461D
9462D
9463D

SPECIFICATIONS

Sizes	: 6mm (1/4") to 15mm (1/2").
End Connections	: Standard-G-ISO-228 (BSP-F), Optional - NPT.
Construction-Body	: Aluminium bar stock anodised.
-Seat	: Standard-Nitrile (Buna 'N') specially designed 'O' rings.
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.
Fluids	: Lubricated air & gas.
Sales Point	: Manual override as a standard feature. Most proven valve in our range, spool and sleeve type design for multimillion, trouble free operations.



Application : Double acting cylinder, textile processing machinery, machine tools, lifting platforms, special jigs used for heat transfer furnaces, metallurgical furnaces, sugar machinery, valve type 9463D 4-way, 3-position valve can be used for positioning of furnace doors, dampers; available in all ports blocked or inlet blocked-all ports exhaust type.

Note : USE OF FILTER IN THE INLET SIDE IS HIGHLY RECOMMENDED.

SPECIFICATION TABLE 4/2 POSITION SINGLE SOLENOID



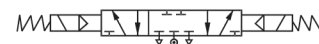
Catalogue Number	Pipe Size	Orifice Size	Flow Factor Kv	Minimum Pressure	Maximum Operating Pressure (bar)						BTP	Material		Constr. Ref.	VA Rating	Watt Rating	Coil	Housing
					AC			DC							AC	DC		
	Inch	mm	M³/hr.	Bar	Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil	bar	Body	Seat		AC	DC	Type	
9461D06	1/4	6.0	0.7	2	10	--	--	10	--	--	15	AL	BN	87.1	18	12	M45.1	SQ
9461D10	3/8	11.5	1.9	2	10	--	--	10	--	--	15	AL	BN	87.1	18	12	M45.1	SQ
9461D15	1/2	11.5	2.4	2	10	--	--	10	--	--	15	AL	BN	87.1	18	12	M45.1	SQ

4/2 POSITION DUAL SOLENOIDS



9462D06	1/4	6.0	0.7	2	10	--	--	10	--	--	15	AL	BN	88.1	18	12	M45.1	SQ	
9462D10	3/8	11.5	1.9	2	10	--	--	10	--	--	15	AL	BN	88.1	18	12	M45.1	SQ	
9462D15	1/2	11.5	2.4	2	10	--	--	10	--	--	15	AL	BN	88.1	18	12	M45.1	SQ	

4/3 POSITION DUAL SOLENOIDS



9463D06	1/4	6.0	0.7	4	10	--	--	10	--	--	15	AL	BN	88.1	18	12	M45.1	SQ	
9463D10	3/8	11.5	1.9	4	10	--	--	10	--	--	15	AL	BN	88.1	18	12	M45.1	SQ	
9463D15	1/2	11.5	2.4	4	10	--	--	10	--	--	15	AL	BN	88.1	18	12	M45.1	SQ	

❖ 9463D15 design is available all Ports blocked type Only.

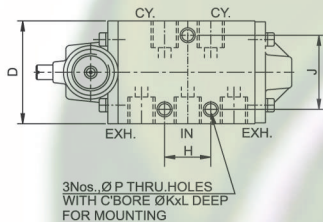
ELECTRICAL REFERENCE

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 12063-1987 IP-66 (IEC 60529:1989).

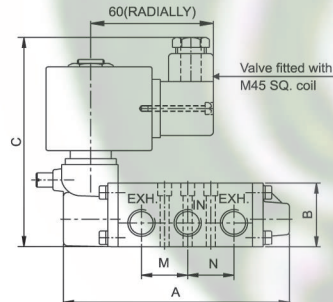
DIMENSIONS IN (MM)

Catalogue Number	Pipe Size Inch	Constr. Ref.	A	B	C	D	M	N	ØP	H	J	ØK	L	Weight (APPROX.) Kgs. ♦
9461D06	1/4	87.1	108.5	31	105	50	22	22	5.5	22	36	9	6	0.728
9461D10	3/8	87.1	162	38	116	65	33	33	5.5	33	45	9	6	1.203
9461D15	1/2	87.1	162	38	116	65	33	33	5.5	33	45	9	6	1.203
9462D06	1/4	88.1	116	31	105	50	22	22	5.5	22	36	9	6	0.866
9462D10	3/8	88.1	182	38	116	65	33	33	5.5	33	45	9	6	1.396
9462D15	1/2	88.1	182	38	116	65	33	33	5.5	33	45	9	6	1.396
9463D06	1/4	88.1	120	31	105	50	22	22	5.5	22	36	9	6	1.296
9463D10	3/8	88.1	182	38	116	65	33	33	5.5	33	45	9	6	2.046
9463D15	1/2	88.1	182	38	116	65	33	33	5.5	33	45	9	6	2.046

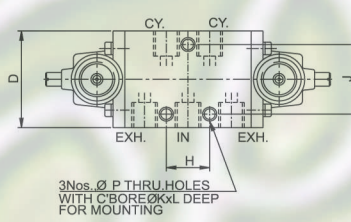
CONSTRUCTION REF. NO. : 87.1



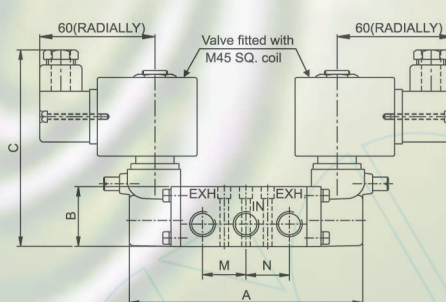
TOP VIEW SHOWN WITHOUT OPERATOR



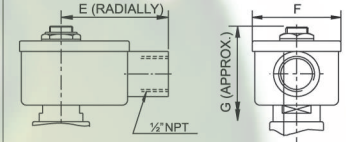
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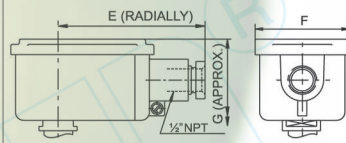
TOP VIEW SHOWN WITHOUT OPERATOR



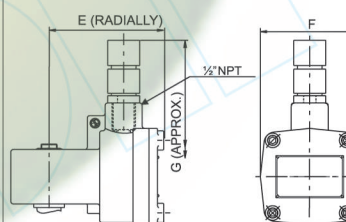
Valve fitted with M45 RD GP coil - General purpose enclosure as per IP-20



Valve fitted with M45 RD WP coil - Waterproof metallic enclosure as per IS 12063-1987 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
9461D06	1/4	87.1	60	96	96	48	62	80	92	123	169
9461D10	3/8	87.1	60	96	96	48	62	80	103	134	181
9461D15	1/2	87.1	60	96	96	48	62	80	103	134	181
9462D06	1/4	88.1	60	96	96	48	62	80	92	123	169
9462D10	3/8	88.1	60	96	96	48	62	80	103	134	181
9462D15	1/2	88.1	60	96	96	48	62	80	103	134	181
9463D06	1/4	88.1	60	96	96	48	62	80	92	123	169
9463D10	3/8	88.1	60	96	96	48	62	80	103	134	181
9463D15	1/2	88.1	60	96	96	48	62	80	103	134	181

♦ 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.