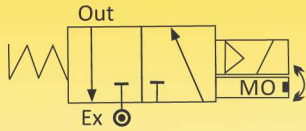


3 - WAY MANIFOLD MOUNTED SOLENOID VALVES

SERIES 389D



Normally Supplied:
On De-energization Normally Inlet Closed,
Outlet Connects to Exhaust Port.
On Coil Energization inlet is Connected to Outlet , Closing Exhaust Port.
Also available in reverse application.

NOTE: For your requirement of valves with Flameproof Enclosure , please refer to catalogue no. 9389D.

General Description:

Series 389D062 (2-Valves) to 389D068 (8-valves) one can connect upto 16 valves together, but one has to provide an Accumulator in the beginning of the Inlet of the valves to stop starving of the valves.

End Connection:

'G' –ISO-228 (BSP) & NPT. – ¼" Size only.

Max. Temperature Range:

Working temperature for media is (-)5°C to 80°C with Buna Nitrile.
Max.ambient temperature with Class 'H' coil (+)42°C.

Coil:

Series 389D Solenoid Valves are supplied with Class 'H' insulated (180°C) coils; encapsulated in Thermo Plastic, containing 40% Glass fibre. All coils are for continuous service, 100% duty (E.D). Rated voltage tolerances for all AC Coils ±10%/-5% and for DC Supply Coils +10%/-5%. Coils can be used on AC with frequency of 50 Hz.

Installation:

Valves can be mounted in any position except "Inverted", preferable in Horizontal pipeline with magnetic construction in vertical and upright position.
Series 389D valves are not designed for Back Pressure coming from downstream side.

Approvals:

IP-65 As per IEC-60529-2001,
Coil: M22-SQ:220/230V 50/60 Hz, 240V 50/60 Hz, 110V 50/60Hz; 24V DC.

Material:

- Valve Body : Standard Die Casting Aluminium LM-24 Heat treated body with Black anodizing to prevent atmospheric corrosion.
- Seals(Seating) : Standard: Buna Nitrile.
- Tube Nut : Brass extruded tube or SS316.
- Plunger & Stopper : AISI 430FR St.St.
- Spring : AISI302 St.St.
- Shading Ring : For AC:Copper/Al. For DC:No Shading Ring.
- Coil Type : AC-M22-SQ/GP/H, 240/110 V 50 Hz – Rating: 5.5 VA . DC-M22-SQ/GP/H, 24VDC, Rating: 4.0 watts.
- Manual Override Application : Standard Valves are very suitable and useful for Piloting Diaphragm Control Valves, Bag filter Valves, Angle Seated Valves, Any pilot operation.

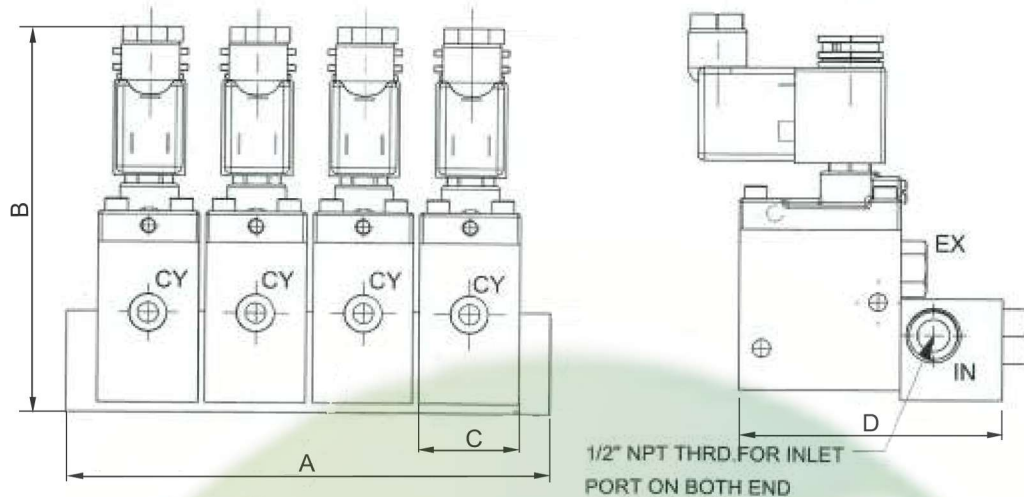
SPECIFICATIONS:

Series	Pipe Size	Orifice Size	Flow Factor Kv	Min. Pres sure	Max.Operating Pressure (Bar)		BTP	Material		Constr. Ref. No	Coil Type	Coil Rating		Housing
					AC (Air)	DC (Air)		Body	Seat			VA	Watt	
389D	Inch	mm	M ³ /hr.	bar			bar					~	=	
062	¼	6	1.9	2	12	10	16	AD	BN	584	M22	5.5	4	SQ
064	¼	6	1.9	2	12	10	16	AD	BN	584	M22	5.5	4	SQ
066	¼	6	1.9	2	12	10	16	AD	BN	584	M22	5.5	4	SQ
068	¼	6	1.9	2	12	10	16	AD	BN	584	M22	5.5	4	SQ



NOTE: Valves suitable for AC and DC supply are different in characteristics and construction. No Interchanging of coils between DC to AC or AC to DC possible. DO NOT INTERCHANGE COILS. Minimum details required for submitting offer: Size, Body material, diaphragm, medium name, Flow (M3/hr), pressure (bar), temp. Deg.C, coil voltage AC or DC.,Quantity (Nos), etc.

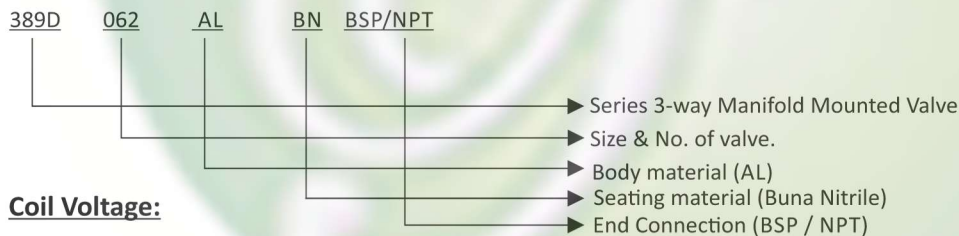
Construction Ref. No. 584



DIMENSION TABLE

Catalogue Number	Constr. Ref.	Number of Valves	Dimensions in mm				Weight (kgs)
			A	B	C	D	
389D 062	584	2	83	120	31	106	0.885
389D 064	584	4	149	120	31	106	1.770
389D 066	584	6	215	120	31	106	2.655
389D 068	584	8	281	120	31	106	3.540

How to read the catalogue:



Coil Voltage:

