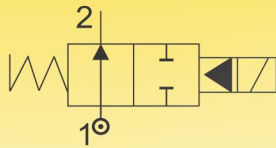


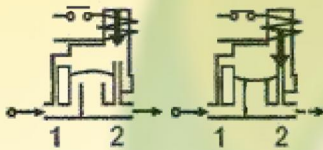
SOLENOID VALVES FOR STEAM DUTY.

2/2 WAY – NORMALLY OPEN, INTERNAL PILOT OPERATED, DIAPHRAGM TYPE, WITHOUT MANUAL OVERRIDE

SERIES 172E



N.O.
Normally Open
Coil de-energised - Open
Coil energised - Closed



NOTE: For your requirement of valves with Flameproof Enclosure, please refer to catalogue no. 9132E.

General Description:

Series 172E Solenoid Valves are Diaphragm Pilot Operated and require very low minimum differential pressure to operate. Valves are used on high flow rate. Valves are suitable for general application with medium such as Normal temperature Water, Hot Water, Low Pressure Steam. Every media should be free from contamination and sediments.

End Connection:

'G'-ISO-228 (BSP) & NPT.

Max Temperature Range:

For media- Min.(-)5°C & Max. with : Ruby/PTFE seating: 160°C. Max. ambient temperature with Class 'H' coil(+)-42°C.

Coil:

Series 172E Solenoid Valves are available in 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 are suitable for Connectors Form A (ISO4400) according to EN 175301-803 and protection class IP 65 as per IEC-60529-2001.

Installation:

Valves can be mounted in any position except "Inverted", preferably in horizontal pipeline with magnetic construction in vertical and upright position.

Series 172E Solenoid valves are not designed for Back Pressure coming from downstream side.

Approvals:

IP-65 As per IEC-60529-2001. Coil M36-SQ: 220/230V 50/60 Hz, 240V 50/60Hz, 110V 50/60 Hz & 24V DC.

Material:

Valve Body : Brass Stamping to IS 6912 (½", ¾" & 1"),
: ASTM A351 Gr.CF8 (SS304), Optional.: ASTM A351 Gr.CF8M (SS316).
Seals(Seating) : Ruby/PTFE
Tube Nut : AISI 316St.St.
Plunger & Stopper : AISI 430FR St.St.
Spring : AISI302 St.St.
Shading Ring : For AC:Copper/Al/Silver For DC:No Shading Ring.
Coil Type : AC-M36-SQ/GP/HT, 240V, 110V 50Hz, Rating: 18VA. DC-M36-SQ/GP/HT, 24V DC, Rating: 12 Watts.

NOTE

: 1) Not suitable for Wet Steam, Hot Water Temp. limited to 95 Deg. C only.
2) Manual override not available.

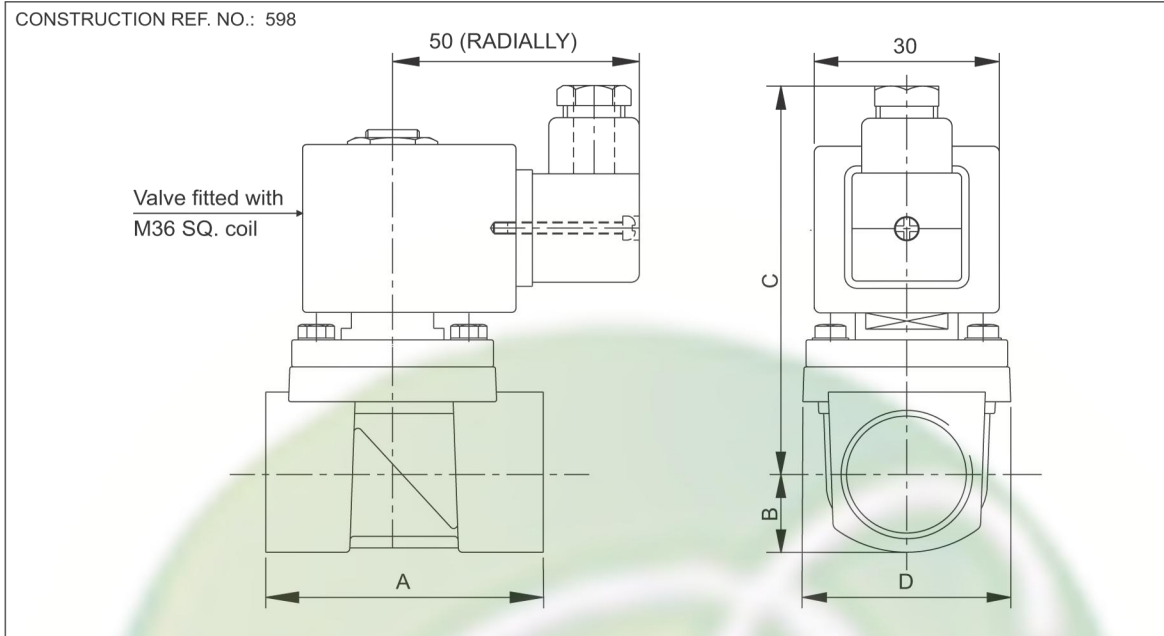
SPECIFICATIONS:

Series	Size 'G'thr	Orifice Size	Flow Factor Kv	Body Material		Seat	BTP	Working Pr.(bar)		Coil Type (HT)	Coil Rating		Constr. Ref. No	Weight* (kgs)
								min	max		VA	Watt		
172E	Inch	mm	M ³ /hr.			Ruby / PTFE	bar				~	=		
15	½	10	1.4	BR	CF8	Ruby / PTFE	40	0.5	9	M36-SQ	18	12	598	0.673
20	¾	18	2.25	BR	CF8	Ruby / PTFE	40	0.5	9	M36-SQ	18	12	598	0.903
25	1	18	2.25	BR	CF8	Ruby / PTFE	40	0.5	9	M36-SQ	18	12	598	0.953

*Weight of CF8 Body.



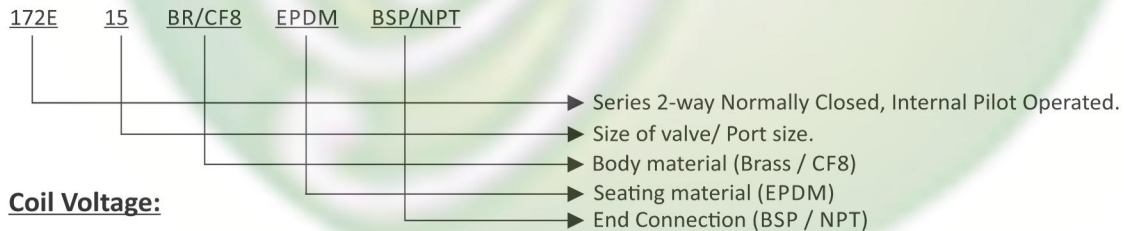
NOTE: Valves suitable for AC and DC supply are different in characteristics and construction. No Interchanging of coils between DC to AC or AC to DC possible. DO NOT INTERCHANGE COILS. Minimum details required for submitting offer: Size, Body material, seating, medium name, Flow (M3/hr), pressure (bar),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



DIMENSION TABLE

CATALOGUE NO.	Size	DIMENSION IN MM				APPROX WT. (kgs)
		A	B	C	D	
172E 15	½	48	15	91	48.5	0.673
172E 20	¾	65	16.5	99	51	0.903
172E 25	1	68	18.5	99	51	0.953

How to read the catalogue:



Coil Voltage:

