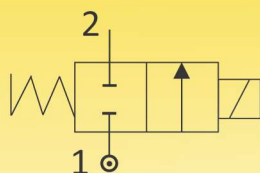


SOLENOID VALVES FOR STEAM DUTY.

2/2 WAY – NORMALLY CLOSED – DIRECT ACTING, WITHOUT MANUAL OVERRIDE

SERIES 170B

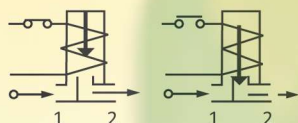


N.C.

Normally Closed

Coil energised - Open

Coil de-energised - Closed



NOTE: For your requirement of valves with Flameproof Enclosure, please refer to catalogue no. 9130B.

General Description:

Series 170B Solenoid Valves are Direct Acting and require no minimum differential pressure to operate. Valves are used on low volume steam or hot water flow. 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 : EPDM Diaphragm: 130°C. with Viton 155 Deg.C.Max. ambient temperature with Class 'H' coil(+/-)42°C.

Coil:

Series 170B 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 170B 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 (¼"),
: Optional :ASTM A351 Gr.CF8 (SS304).
Seals(Seating) : EPDM/Viton
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, 24VDC, Rating: 12 Watts.

NOTE

: 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)
												VA	Watt		
170B	Inch	mm	M³/hr.	BR	CF8	EPDM/V	bar	min	max		M36-SQ	18	12	593	0.285
06	¼	3	0.12					0	4						

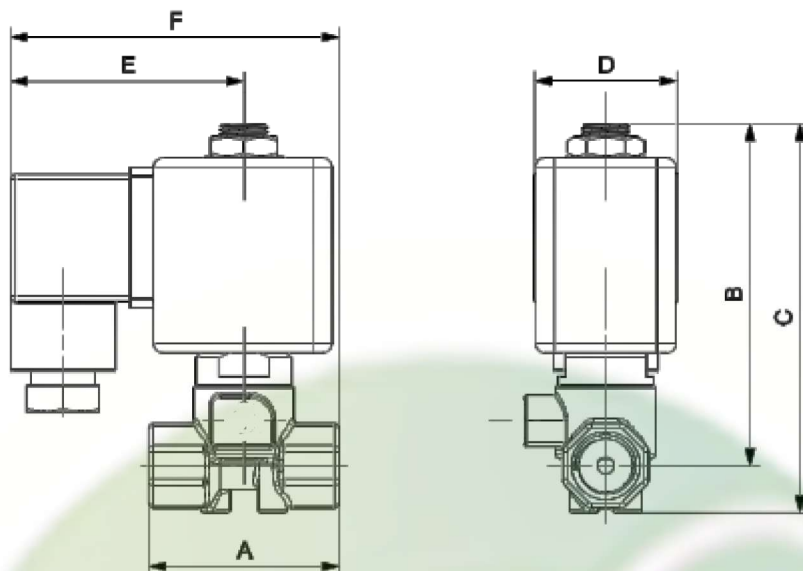
NOTE: At inlet side use of fine mesh filter/strainer is strongly recommended.

*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.

Construction Ref. No.593



DIMENSION TABLE

CATALOGUE NO.	Size	DIMENSION IN MM						APPROX WT. (kgs)
		A	B	C	D	D1	D2	
170B 06	1/4	40	73	83	30	49	69	0.285

How to read the catalogue:

170B 06 BR/CF8 EPDM BSP/NPT

- ➔ Series 2-way Normally Closed, Internal Pilot Operated.
- ➔ Size of valve/ Port size.
- ➔ Body material (Brass / CF8)
- ➔ Seating material (EPDM)
- ➔ End Connection (BSP / NPT)

Coil Voltage:

M36 SQ H-18/12 WP-65

- ➔ Size of Coil.
- ➔ Coil Type (Square)
- ➔ Class of Insulation. Coil VA (AC) or Watts (DC)
- ➔ Class of Electrical Protection.

110V 50Hz AC/DC

- ➔ Electrical Voltage, Std. 230, 110, 24 AC / 24 V DC
- ➔ Hertz
- ➔ Characteristics (AC / DC)