

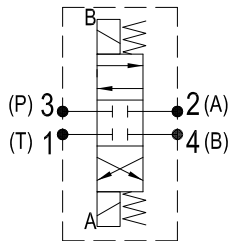


SYSTEM OF FLUID POWER

SOLENOID VALVES

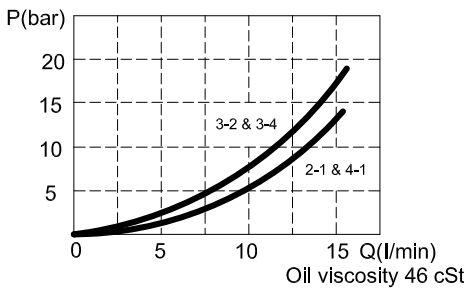
ISB-08-01

HYDRAULIC DIAGRAM

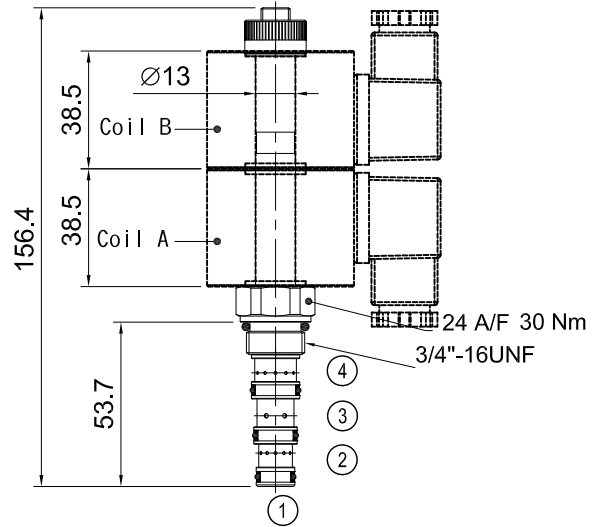


Type	Qnom (L/min)	Pmax (Bar)
ISB-08-01	8	210

RATING DIAGRAM



DIMENSIONS (mm)



Cavities: see cavity data 08-04

CODE NUMBER

ISB-08-01-A1

Voltage Available

- 1) A1 = 110 VAC
- 2) A2 = 220 VAC
- 3) D1 = 12 VDC
- 4) D2 = 24 VDC

■ APPLICATION

The electric directional control valve, 4-way, 3-position direction control of flows. Typical usage includes the transmission device of the hydraulic system.

■ OPERATION

With the valve version and de-energized solenoid, port 2 (A), port 4 (B), port 1 (T) and port 3(P) are closed. When the valve version energized coil A, the oil can be from port 3 (P) to port 4 (B), port 2 (A) to port 1 (T). When the valve version energized coil B, the oil can be from port 3 (P) to port 2 (A), port 4 (B) to port 1 (T).

■ PERFORMANCE

Rated Flow: 8 l/min Max. pressure: 210 bar  
 Leakage : 60 ml/min at 210 bar and oil viscosity of 46 cSt  
 Working temperature:  
 Min. -20°C, Max. 90°C, with standard BUNAN gaskets  
 Min. -20°C, Max. 120,°C with optional VITON gaskets on request

■ RECOMMENDATIONS

**Fluid:** best use mineral oil with viscosity ranging between 10 and 200 cSt  
**Filter:** 25 micron or better  
**Cavities:** see cavity data 08-04  
**Installation:** before screwing the cartridge on the valve body, ascertain to provide suitable gasket lubrication with clean oil and also be sure to screw the cartridge manually in to reach against the gaskets in the valve body.

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