



P72F - ★★ - ★★

Table with 7 columns: Port, Thread, Operator, Solenoid manual operation, Coil Voltage, Nominal Power, Connector. Lists various configurations for the P72F valve.

TECHNICAL DATA

Fluid: Compressed air
Maximum pressure solenoid operated: dependant on solenoid rating [must not exceed 17 bar (250 psig)]
Maximum pressure pilot operated: 17 bar (250 psig)
Minimum operating pressure: 3 bar (44 psig)
Operating temperature solenoid operated: * dependant on solenoid rating - must be within range -20° to +65°C (0° to +150°F)
Operating temperature pilot operated: * 20° to +65°C (0° to +150°F)
* Air supply must be dry enough avoid ice formation at temperatures below +2°C (+35°F).

REPLACEMENT ITEMS

Service kit includes items: 6, 9, 11, 12, 17, 24, 25 4384-520

INSTALLATION

- 1. Before installation the operating conditions of temperature, pressure, etc, must be checked for conformity with the Technical Data.
2. Mount unit securely:
- upstream of cycling valves,
- with air flow in direction of arrow on body,
- as close as possible to the device being serviced.
3. Connect piping to proper ports using pipe thread sealant on male threads only.
4. Because of high exhaust flow, a silencer should be used or exhaust piped away.
5. Install a Norgren general purpose filter upstream of the valve to prevent blockage of feed holes.

ADJUSTMENT

- 1. Turn on system air supply prior to applying pilot signal to operator. Failure to do so may cause valve to continuously exhaust.
2. The time to reach full pressure is dependent on the downstream system volume.
3. Unit is set to give maximum delay. Back of flow adjuster as described to achieve desired Soft Start speed.
4. If the time to reach full pressure is incorrect it can be adjusted using flow adjuster (10). To access adjuster remove tamper resistant plug (9). Use a 3 mm allen key on adjusting screw (10), turn clockwise to increase the time.

MAINTENANCE

- 1. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero.
2. Unit can be disassembled without removal from air line.
3. Disassemble in general accordance with the item numbers on exploded view.

CLEANING:

- 1. Clean parts with warm water and soap.
2. Rinse and dry parts. Blow out internal passages in body with clean, dry compressed air.
3. Examine all components and replace worn or damaged parts.

ASSEMBLY:

- 1. Lubricate o-rings and seals (12, 21, 26, 27) with a light coat of good quality o-ring grease.
2. Assemble the unit as shown on the exploded view.
3. Torque Table
Item Torque in Nm (Inch-Pounds)
1, 17 (Screws) 2,8 to 3,9 (25 to 35)

WARNING

For use in compressed air systems only. Not to be used where pressures and temperatures can exceed those listed under Technical Data. Disposal of non metallic materials must be carried out in an approved manner. Burning may generate toxic fumes.

Use in potentially explosive atmospheres

- Code of device according EC directive 2014/34/EU
II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85°C Db
- Only non-flammable gase to be used as a medium.
- Surface temperature dependant on process fluid temperature and ambient temperature must be below the ignition temperature of the flammable gas or dust.
- Earth unit and/or pipework to avoid electrostatic discharge.
- Precautions should be taken to prevent hazard from adiabatic compression.
- Use wet cloth for cleaning.
- Protect the unit from object falling onto it.
- Avoid contact with corrosive environment.
- For servicing the unit it is recommended to carry out this work outside of the danger zone.
- For details of ignition hazard assessment contact Norgren.

