**Pressure Regulator R73**

**Flow Type**
- G... Uni-directional
- R... Reverse

**Thread Form**
- A... PTF
- B... ISO Rc taper
- C... ISO G taper
- G... ISO G parallel

**Adjustment**
- K... Knob
- T... T-bar
- R... Non-relieving

**Diaphragm**
- N... Non-relieving
- M... Relieving

**Spring (Outlet Pressure Range)**
- F... 0.3 to 4 bar (5 to 60 psig)
- M... 0.3 to 10 bar (5 to 150 psig)
- S... 0.7 to 17 bar (10 to 250 psig)

**Pressure Regulator R73G, R73R**

**Installation & Maintenance Instructions**

**Technical Data**
- Fluid: Compressed air
- Maximum pressure: 20 bar (300 psig)
- Operating temperature: -20°C to +80°C (-4°F to +176°F)
- Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)
- Typical flow with 10 bar (150 psig) inlet pressure, 6.3 bar (90 psig) set pressure and 1 bar (15 psig) droop from set point: 60 dm³/s (127 scfm)

**Gauge ports:**
- 1/4 PTF with PTF main ports
- Rc1/4 with ISO Rc main ports
- Rc1/8 with ISO G main ports

**Materials:**
- Body: Aluminum
- Bonnet: Aluminum
- Valve: Brass
- Elastomers: Nitrile
- Bottom plug: Acetal

**Replacement Items**
- Service kit (includes items circled on exploded view)
  - Relieving: 4381-600
  - Non-relieving: 4381-601
- Tamper resistant cover and wire: 4455-51

**Panel Mounting Dimensions**
- Panel mounting hole diameter: 48 mm (1.89")
- Panel thickness: 2 to 6 mm (0.06" to 0.25")

**Installation**
1. Shut off air pressure. Install regulator in air line -
   - with air flow in direction of arrow on body
   - upstream of lubricators and cycling valves
   - at any angle.
2. Connect piping to proper ports using pipe thread
   - as close as possible to the device being serviced.
3. Install a pressure gauge or plug the gauge ports. Blow out internal passages in body with clean, dry compressed air.
4. Inspect parts. Replace those found to be damaged.

**Disassembly**
1. Lubricate o-rings, valve stem (21), adjusting screw threads and tip (5, 7) and the outer circumference and at regular intervals during use. If a pressure
2. Assemble the unit as shown on the exploded view.
3. Torque Table
   - Item: Torque in Nm (Inch-Pounds)
   - 2, 9 (Screw): 2,3 to 3,4 (20 to 30)
   - 16 (Reverse flow valve on R73R models) 0.7 to 1,1 (6 to 10)
   - 18 (Bottom plug): 2,3 to 3,4 (20 to 30)

**Warning**
These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under Technical Data. If outlet pressure in excess of the regulator pressure setting could cause downstream equipment to rupture or malfunction, install a pressure relief device downstream of the regulator. The relief pressure and flow capacity of the relief device must satisfy system requirements.

**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. Inspect parts. Replace those found to be damaged.

**Assembly**
1. Lubricate o-rings, valve stem (21), adjusting screw threads and tip (5, 7) and the outer circumference and at regular intervals during use. If a pressure
2. Assemble the unit as shown on the exploded view.
3. Torque Table
   - Item: Torque in Nm (Inch-Pounds)
   - 2, 9 (Screw): 2,3 to 3,4 (20 to 30)
   - 16 (Reverse flow valve on R73R models) 0.7 to 1,1 (6 to 10)
   - 18 (Bottom plug): 2,3 to 3,4 (20 to 30)

**Maintenance**
- Inspect and at regular intervals during use. If a pressure
- Inspect and at regular intervals during use. If a pressure
- Inspect and at regular intervals during use. If a pressure
- Inspect and at regular intervals during use. If a pressure