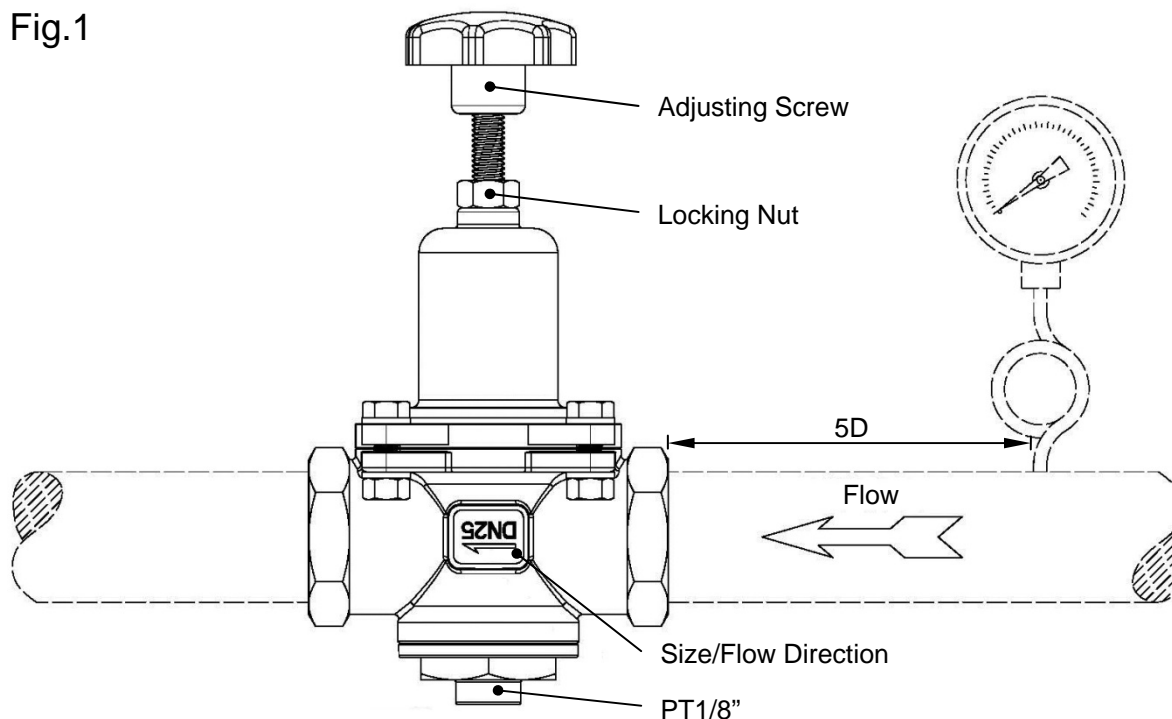




Direct-activated Pressure Relief/Sustaining/Back Pressure Valve Installation/Operation/Maintenance Manual

Fig.1



1. Installation

- a) Confirm the valve is suitable for the system, such as media, function, pressure, etc.
- b) Before installation, the pipe of the system must be cleaned, and no fragment or any garbage is allowed in the pipe.
- c) Before the inlet of the valve, a strainer is needed; this can make the valve work properly.
- d) Two shutoff valves can be installed at the inlet and the outlet of the valve, which will facilitate the maintenance of the valve. Upstream of the valve to be installed at more than five times the diameter pressure gauge to read the line pressure.
- e) Following the arrow direction when installing the valve, and the arrow direction must be conform to the flow direction.
- f) The valve can be installed horizontally or vertically, and the maintenance space must be held.
- g) A pressure gauge or a plug (connected with PT1/8" thread) can be installed in the port of PT1/8" in Fig.1.

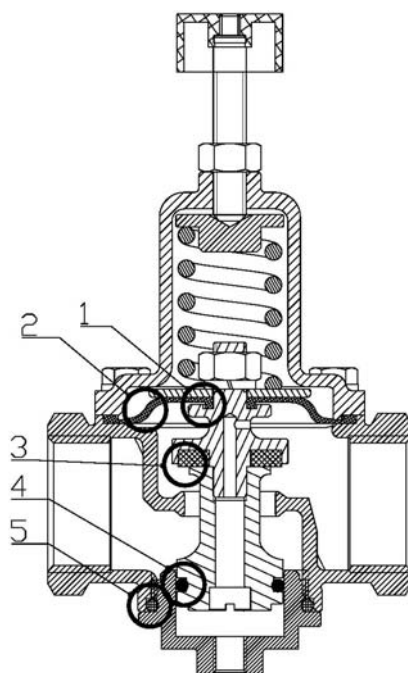
2. Setting pressure

After installing finished, the valve must be set, follow the step below.

- a) Close the valve upstream of the gate valve or ball valve.
- b) Turn the adjusting screw clockwise, compression the spring of the valve.
- c) The upstream gate valve or ball valve slightly open, put a small amount of fluid through the easy adjustment. In this case the valve adjustment screw is locked, so there is no fluid through.
- d) Increase the upstream pressure, up to sustaining pressure or relief pressure.
- e) Turn the adjusting screw counterclockwise slowly, until micro fluid outflow, then turn the adjustment screw clockwise slightly, so that no fluid outflow valve.
- f) Tighten the adjusting screw on the locking nut, ensure no change pressure set point, the upstream gate valve or ball valve completely open, the adjusting of relief/sustaining pressure valve is finished.

3. Maintaining

Fig.2



- a) Referring to Fig.2, construction of the pressure reducing valve. If the rubber part of one of the signed point 1, 2 or 5 is destroyed, the leakage of the valve will occur, and the corresponding part should be changed.
- b) If the valve has no function of relief/sustaining pressure, it should be inspected from two points of part in Fig.2 that is, inspecting the leakage of point 3 and 4 in Fig. 2.
- c) If the problem still exists, contact out factory.

4. Assembly of the Relief/Sustaining Pressure Valve

Fig.3

