

A9016-...Thread Pressure Reducing Valve Series



Pressure Reducing Valve
A9016-...Series
Thread Connection
PN16, PN25

Performance & Features:

Pressure reducing valve can automatically reduce the high inlet pressure of the pipeline to a stable low outlet pressure, maintaining steady pressure regardless of fluctuations in pipeline flow rate and inlet pressure. The outlet pressure can be set by adjusting the spring compression. The opening and closing of the pilot valve drives the piston to adjust the flow area of the main valve throttling section, so as to achieve pressure reduction and pressure stabilization.

- ◆ Nominal Diameter: DN15...DN50; Temperature range: -15°C~130°C.
- ◆ Diaphragm, spring and seat orifice design, enabling high-flow operation.
- ◆ Instant closing when no water is consumed at the outlet, achieving static pressure sealing.
- ◆ Long service life and high reliability.
- ◆ No directional requirement for installation (it is required to follow the water flow direction marked on the valve body).
- ◆ A strainer required to be installed upstream of the valve to prevent foreign matter from entering and causing the pressure reducing valve to malfunction.
- ◆ Sufficient space to be reserved around the valve for commissioning and maintenance.

Applications:

Pressure reducing valves are mainly installed on pipelines for water supply, hot and cold water, and water treatment systems that require constant downstream pressure in general buildings, fire protection systems, water plants, municipal engineering, iron and steel, electric power, petroleum, chemical industry, commercial complexes, data centers, factories and other projects.

Model Designation:

For example: A9016-20-16T

1. "A90" Hydraulic Control Valve;
2. "1" Threaded Connection;
3. "6" Pressure Reducing Valve;
4. "-20": Nominal Diameter DN20;
5. "-" separator;
6. "-25/16" Nominal Pressure, PN25/PN16;
7. "T": Brass, B: Bronze, P: Stainless Steel;

Technical Specification:



Bonnet: ABS

Adjusting Nut: Stainless steel

Lock Nut: Stainless steel

Spring Gland: Stainless steel /Brass

Spring: Stainless steel

Diaphragm Plate: Stainless steel

Diaphragm: EPDM

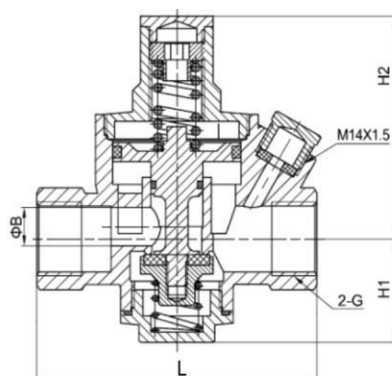
Bore: Stainless steel

Body: Stainless steel /Brass

O-ring: EPDM

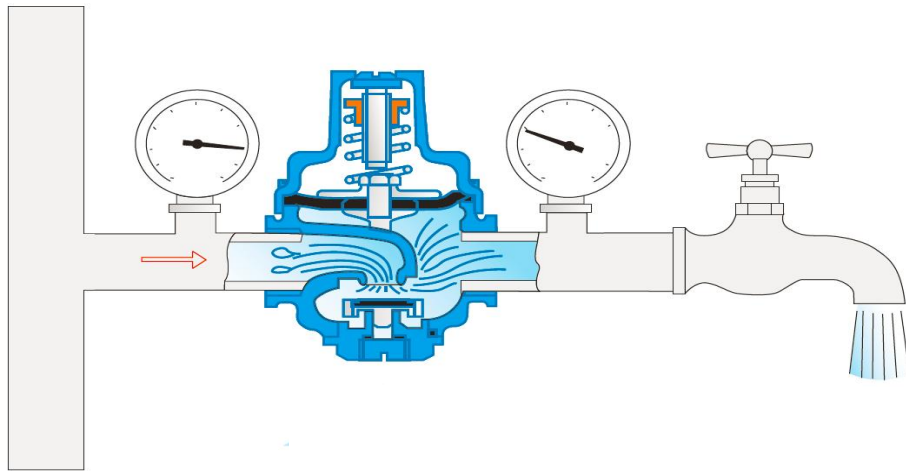
Lower Screw Cover: Stainless steel /Brass

Dimension Chart:



Model	DN	G	L	H1	H2
A9016-15-16P	DN15	½"	78	30	64
A9016-20-16P	DN20	¾"	78	30	64
A9016-25-16P	DN25	1"	85	36	77
A9016-32-16P	DN32	1¼"	85	38	80
A9016-40-16P	DN40	1½"	103	48	105
A9016-50-16P	DN50	2"	120	55	130

Installation Diagram



Commissioning and Setting Procedures:

First remove the plastic cap, and adjust the compression of the spring to change the set outlet pressure.

- 1) Rotate the adjusting screw clockwise to increase the set outlet pressure.
- 2) Rotate the adjusting screw counterclockwise to decrease the set outlet pressure.
- 3) After pressure adjustment is completed, fasten the lock nut and reinstall the protective cap.