

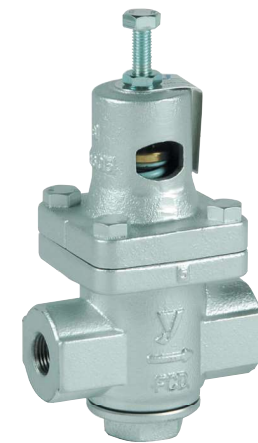
GD-45P·45

Features

1. Compact and lightweight.
2. Simple structure and easy maintenance.
3. Applicable to inlet pressure of up to 2.0 MPa.
4. A screen (60 mesh) is incorporated to protect the valve and valve seat from dirt.
5. Excellent workability accomplished by the external pressure type bellows of pressure sensing part.
6. Pressure adjustment is handle-operated without any tool (GD-45P).



GD-45P



GD-45

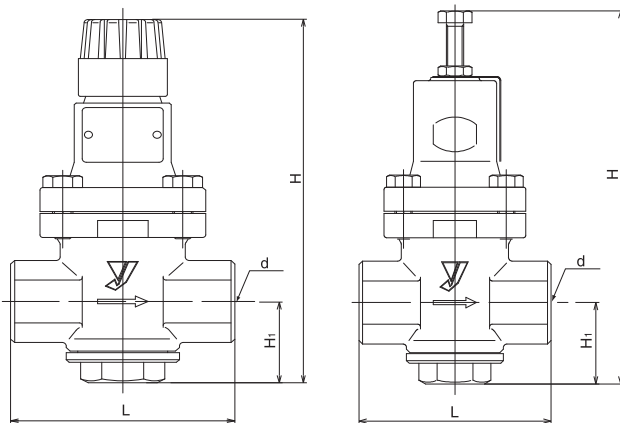
Specifications

| | | |
|----------------------------------|---------------------------------|-------------------|
| Model | GD-45P·45 | |
| Application | Steam | |
| Inlet pressure | 2.0 MPa or less | |
| Reduced pressure | (A) 0.02-0.1 MPa | |
| | (B) 0.05-0.4 MPa | |
| | (C) 0.35-1.0 MPa | |
| Minimum differential pressure | 0.05 MPa | |
| Maximum pressure reduction ratio | 10:1 | |
| Maximum temperature | 220°C | |
| Valve seat leakage | 0.1% or less of rated flow rate | |
| Material | Body | Ductile cast iron |
| | Valve, valve seat | Stainless steel |
| | Bellows | Phosphor bronze |
| Connection | JIS Rc screwed | |

Dimensions (mm) and Weights (kg)

| Nominal size | d | L | H1 | H | Weight |
|--------------|--------|-----|----|-----------|--------|
| 15A | Rc 1/2 | 111 | 47 | 213 (216) | 3.2 |
| 20A | Rc 3/4 | 111 | 47 | 213 (216) | 3.2 |
| 25A | Rc 1 | 111 | 47 | 213 (216) | 3.2 |

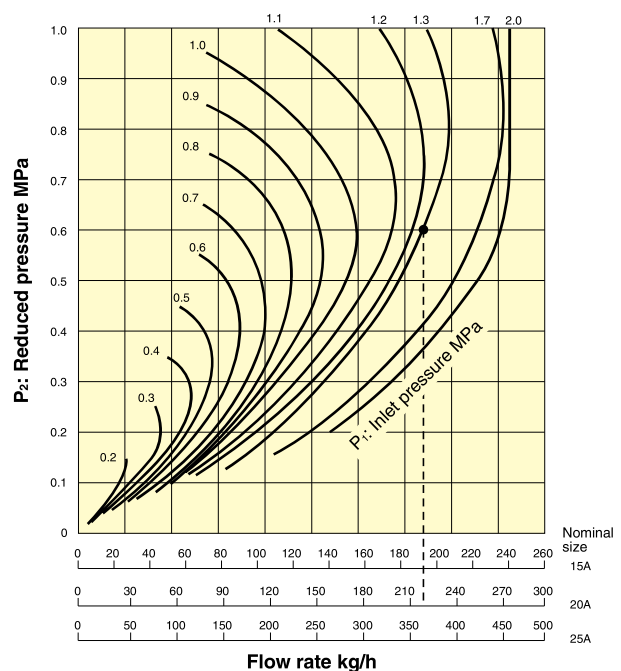
• The above values in parentheses are the dimensions of the GD-45.



GD-45P

GD-45

Chart for Selecting Nominal Sizes



[Example]

When selecting the nominal size of a pressure reducing valve whose inlet pressure (P_1), reduced pressure (P_2), and flow rate are 1.3 MPa, 0.6 MPa, and 200 kg/h, respectively, first find the intersection point of the inlet pressure of 1.3 MPa and the reduced pressure of 0.6 MPa. Trace down vertically from this intersection point to find the nominal size with a flow rate of 200 kg/h or over. In this case, the nominal size is 20A.

• Set the safety factor at 80 to 90%.