

PRESSURE REDUCING VALVE

GD-45P • GD-45

Features

1. These valves are compact and lightweight.
2. These valves are simple in structure and easy to maintain.
3. These valves are applicable to an inlet pressure of up to 2.0 MPa.
4. A screen (60 mesh) is incorporated to protect the valve and the valve seat from dirt.
5. These valves offer excellent workability with the aid of an external pressure type bellows used as the pressure sensing part.
6. Pressure adjustment is handle-operated and does not require any tool (GD-45P).

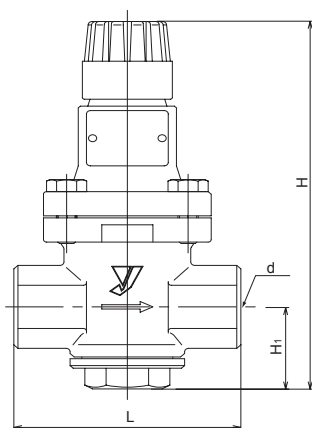
Specifications

Model		GD-45P • GD-45
Application		Steam
Inlet pressure		2.0 MPa or below
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
Valve seat leakage		0.1% or below of rated flow rate
Material	Body	Ductile cast iron
	Valve, valve seat	Stainless steel
	Bellows	Phosphor bronze
Connection		JIS Rc screwed

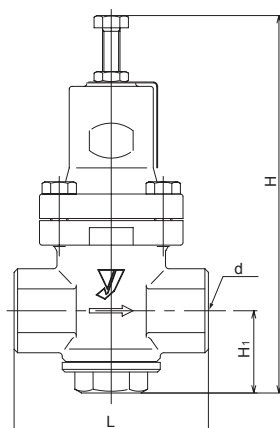
Dimensions (mm) and Weights (kg)

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 values in parentheses are the dimensions of the GD-45.



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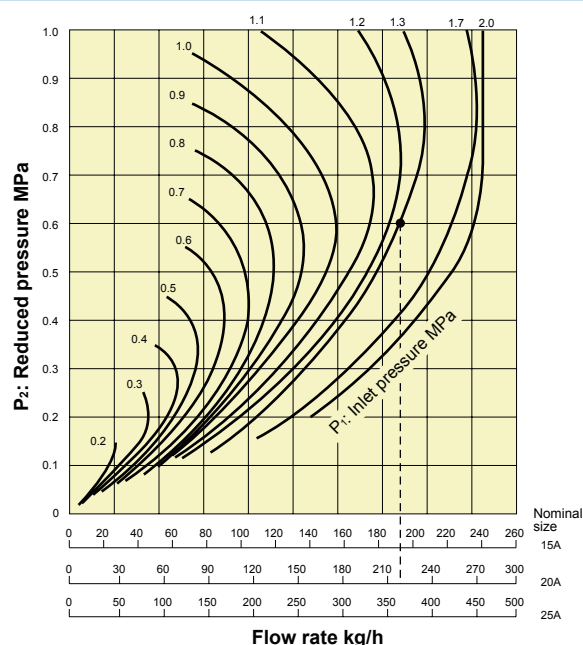


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Chart for Selecting Nominal Sizes



[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.



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