耀希达凯yoshitake减压阀GP-27

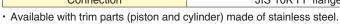


Features

- 1. Large capacity and distinguished performance. Can respond very immediately to the fluctuation of inlet pressure and the change of flow rate to keep reduced pressure at a constant level.
- 2. Quite simple structure, less prone to fail and easy to handle.
- 3. Easy pressure adjustment and wide set pressure range.
- 4. No need for auxiliary power (air or electricity). Compactness makes plumbing work easy.
- 5. Compliant with SHASE-S106 Pressure Reducing Valves (by the Society of Heating, Air-Conditioning and Sanitary Engineers of Japan).

Specifications

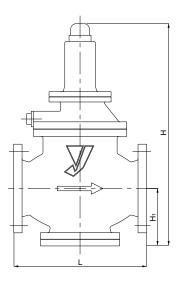
Model		GP-27					
Application		Steam					
Inlet pressure		0.1-1.0 MPa					
Ь	aduand property	0.03-0.8 MPa					
Reduced pressure		80% or less of inlet pressure (absolute pressure)					
Minimum differential pressure Maximum pressure reduction ratio Maximum temperature Valve seat leakage		0.07 MPa 10:1 220°C 0.05% or less of rated flow rate					
				Material	Body	Ductile cast iron	
					Main valve, valve seat	Stainless steel	
					Pilot valve, pilot valve seat	Stainless steel	
Piston, cylinder	Bronze						
Diaphragm	Stainless steel						
Connection		JIS 10K FF flanged					

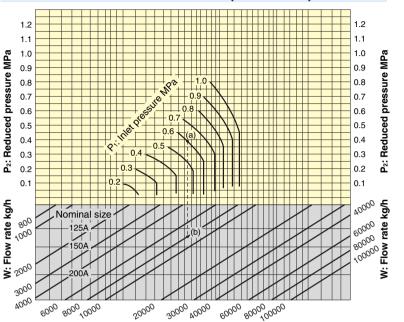


Dimensions (mm) and Weights (kg)

	Nominal size	L	Н	H1	Weight
	125A	375	627	162	90.0
	150A	420	686	190	135.0
	200A	490	765	220	204.0





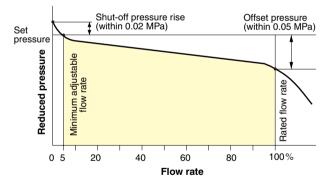


[Example]

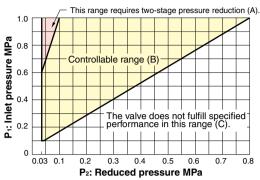
When selecting the nominal size of a pressure reducing valve whose inlet pressure (P1), reduced pressure (P2), and steam flow rate are 0.6 MPa, 0.4 MPa, and 8000 kg/h, respectively, first find intersection point (a) of the inlet pressure of 0.6 MPa and the reduced pressure of 0.4 MPa. Trace down vertically from this intersection point to find intersection point (b) with the flow rate of 8000 kg/h. Since intersection point (b) lies between nominal sizes 125A and 150A, select the larger one, 150A.

· Set the safety factor at 80 to 90%.

Flow Characteristic Chart

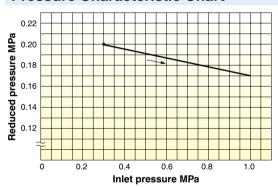


Specifications Selection Chart



Based on the selection chart shown above, select a pressure reducing valve in the optimum manner. On the selection chart, find the intersection point of the inlet pressure (P₁) and the reduced pressure (P₂). Two-stage pressure reduction is required if the intersection point lies in range (A), or the pressures are controllable with a single pressure reducing valve if the intersection point is within range (B). The valve does not fulfill specified performance in range (C). To adopt two-stage pressure reduction, separate two pressure reducing valves as far away from each other as possible (preferably at least 3 meters).

Pressure Characteristic Chart



This chart shows variation in reduced pressure when the inlet pressure of 0.3 MPa is changed between 0.3 MPa and 1.0 MPa while the reduced pressure is set at 0.2 MPa.