

DP-2000 Type Pressure Reducing Valve(For Steam)

This Series Pressure Reducing Valves for steam are pilot-operated valves which can be used for small to large flow rate so that it is widely used in building utilities systems, air-conditioning systems and factory systems, etc.



■Features

- 1.A large-size diaphragm and an external sensing method ensure more stable control of reduced pressure.
- 2.Because of a high Cv value and dramatically improved flow and control capabilities,a valve one or two sizes smaller than the regular nominal size can be applied.
- 3.The spherical valve provides a higher level of sealability,resulting in a significant reduction in leakage(compliant with ANSI class IV).
- 4.The main movements are made of stainless steel.Easy construction and maintenance is possible by removing an adaptor from the main valve and pilot valve.

■Specifications

Model	DP-2000	
Application	Steam	
Inlet pressure	Max.1.6MPa	
Reduced pressure	0.1~1.4MPa	
Maximum pressure reduction ratio	20:1	
Minimum differential pressure	0.05MPa	
Valve seat leakage	0.01% or below of rated flow rate	
Maximum temperature	220°C	
Material	Body	Ductile cast iron
	Disc,Seat	Stainless steel
	Diaphragm	Stainless steel
Connection	PN16 RF Flanged	
Body Hydraulic Test	2.4MPa	

► Strainer (over 80mesh) is required ahead of the inlet when valve installed.

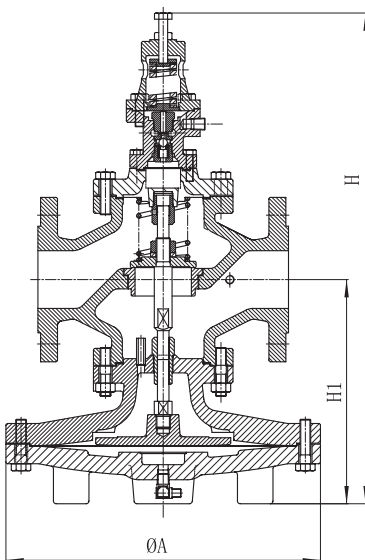
► Install a water separator at the inlet of the pressure reducing valve to ensure the removal of condensate.

■Dimensions

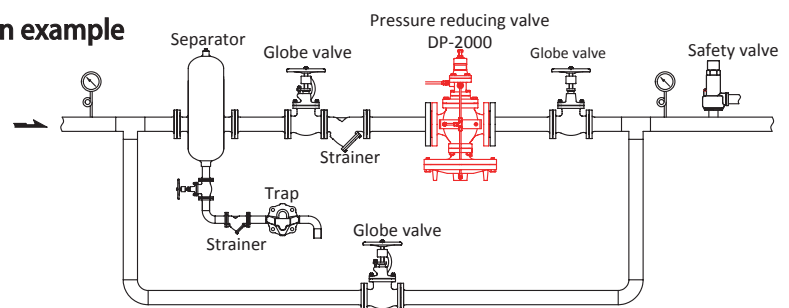
(mm)

Size	L	ΦA	H1	H	Weight (kg)
15(1/2")	146	200	170	398	15.5
20(3/4")	146	200	170	398	16
25(1")	156	226	175	408	21
40(1 1/2")	196	226	192	437	24.5
50(2")	222	276	215	498	36
65(2 1/2")	282	354	252	552	64.5
80(3")	302	354	266	575	71.5
100(4")	342	400	324	660	111
150(6")	465	500	411	796	234
200(8")	469	500	411	796	242

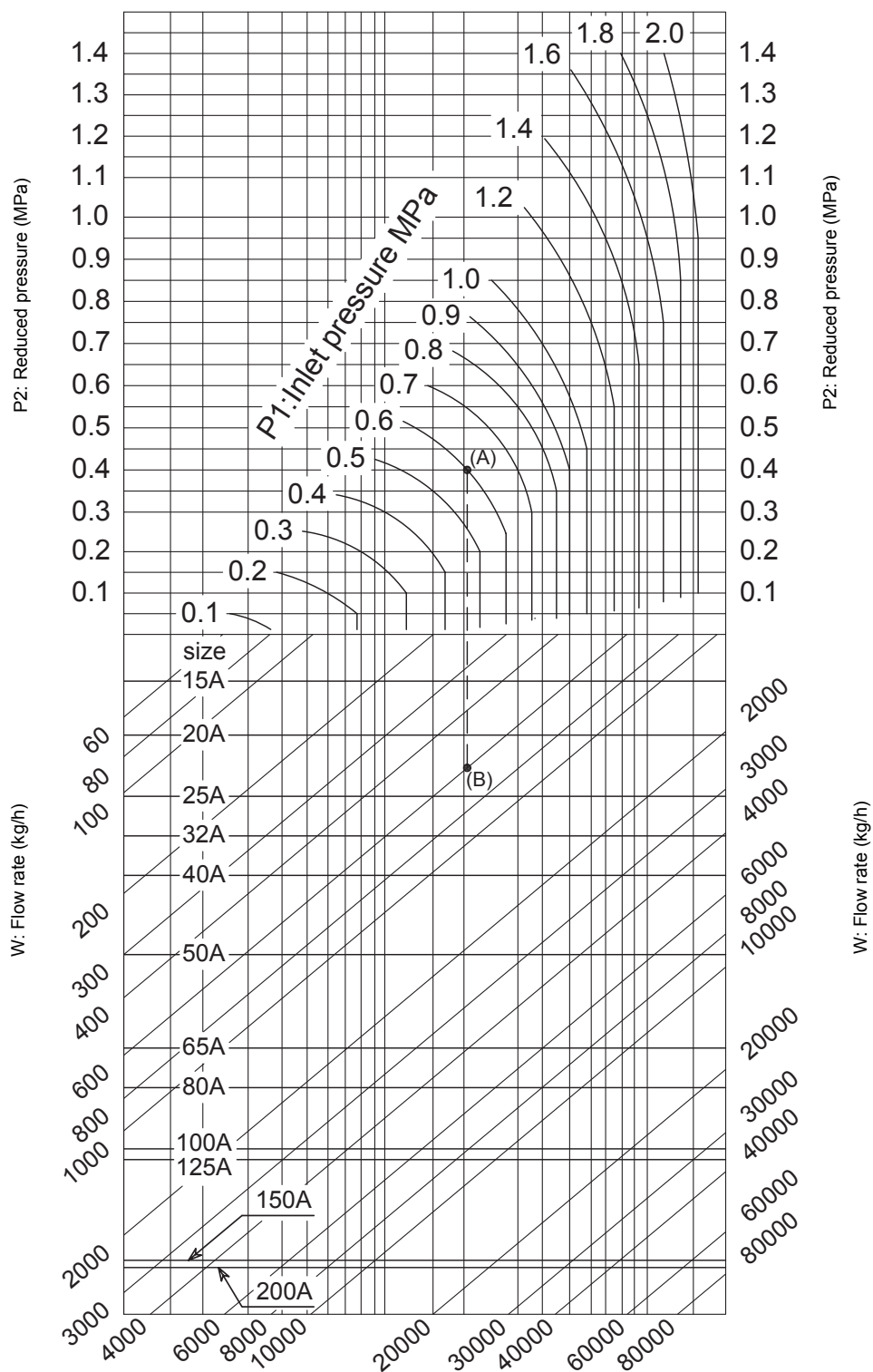
■Constructions



■Installation example



■ SIZE SELECTION CHART



How to select the size of a valve by the chart:

For example, the inlet pressure (P_1) is 0.6MPa, reduced pressure (P_2) is 0.4Mpa, and flow rate 600kg/h.

1).Find the point of intersection (A) between inlet pressure 0.6MPa and reduced pressure 0.4MPa.Vertically proceed from point (A) to come across the flow rate 600kg/h, and regard this point as (B).

2).Point (B) is between size 20A and 25A. Select the larger size 25A.