

RP-8A Type Pressure Reducing Valve (for Air or Gases)



for **Factory Equipments** **Variety of Devices**, etc., General-purpose Pilot-operated Valve(Large capacity)

With the body and main parts made of stainless steel, RP-8A Type is ideal for applications with clean fluid. In addition, the durability and corrosion resistance of stainless steel also make RP-8A Type useful in a variety of other applications.

Refer to Page 20 for valve size selection chart.

FEATURES

- Piston guide and diaphragm allow stable control.
- Wide range of pressure and flow for a variety of applications.
- Easy pressure adjustment by manual handle with automatic lock mechanism.
- Compact design.

SPECIFICATIONS

Model name	RP-8A
Code name	RP8A-D
Applicable fluid	Air & gases
Fluid temperature	5~80°C
Applicable primary pressure	Max. 1.0MPa
Adjustable secondary pressure	0.03~0.8MPa
Maximum reducing rate	10:1
Minimum pressure differential across the disc	0.07MPa
Lock up pressure	Max. 0.02MPa
Offset pressure	Within 0.02MPa(Adjustable secondary pressure 0.03~0.035MPa) Within 0.03MPa(Adjustable secondary pressure over 0.035~0.07MPa) Within 0.05MPa(Adjustable secondary pressure over 0.07~0.8MPa)
Leakage allowance	Nil(Confirm at pressure gauge)
End connection	Flanged JIS 10KFF
Materials	Body(Stainless steel), Diaphragm(Stainless steel), Disc & seat(Stainless steel) Disc tip & pilot disc(Synthetic rubber)
Valve body pressure test	Hydraulic 1.5MPa

* For size 15mm, select RD-20, 20F Type, and for size 100~150mm, select RP-11A Type.

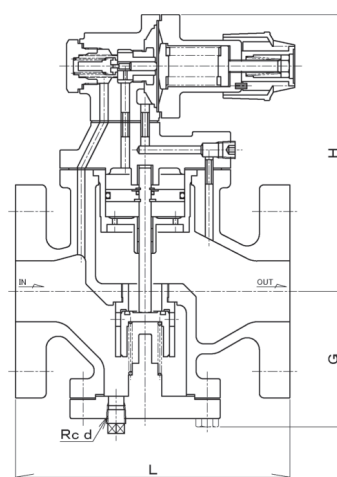
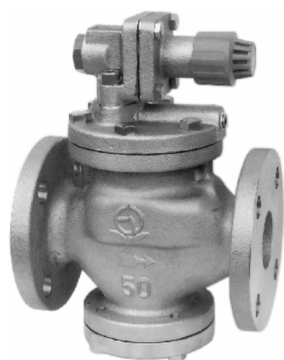
DIMENSIONS

(mm)

Size	L	G	H	Cv value	Mass(kg)
20(¾")	140	71	159	2.5	8
25(1")	150	71	164	4	9
32(1¼")	180	90	182	6.5	12.5
40(1½")	180	90	182	9	12.5
50(2")	200	100	187	16	16
65(2½")	230	110	202	25	22
80(3")	260	118	221	36	27.5

Flange code JIS 10KFF

CONSTRUCTION



Size	d
20~50	¼"
65~80	⅜"

Depending on size, the structure may vary slightly.