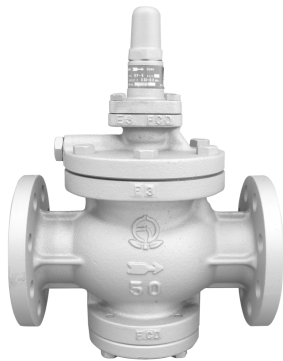


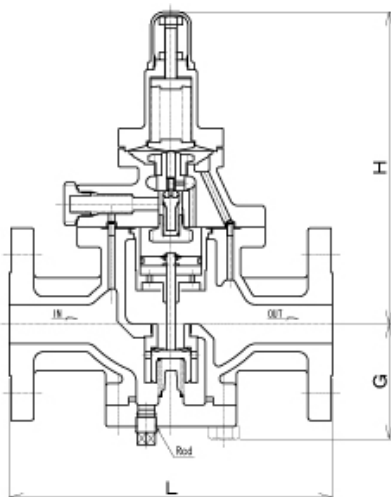
# RP-9A,10A,11A Type Pressure Reducing Valve (for air or gases)

The valve is a sister product of the pilot styled RP-9,10 and 11 types pressure reducing valves used for the high pressure air and gases.  
The dimension of the valve is the same as the old type of RP-2HA pressure reducing valve, but with about 40% less weight.  
Use the nominal diameter selection chart to select the nominal diameter size.



RP-9A Type

## Construction



Note 1. The structure of the valve may be different depending on materials, sizes.  
Note 2. The dimension for the body material of the valve is the same as that for all types of the old RP-2HA.

Code name: RP9A-L (Body FCD, main parts C3604·CAC)  
RP9A-M (Body FCD, main parts SUS)  
RP10A-C (Body SCPH)  
RP11A-D (Body SCS)

## SPECIFICATIONS

Category	Ductile cast iron	Cast steel	Stainless
Model name	RP-9A Type	RP-10A Type	RP-11A Type
Code name	RP9A-L	RP9A-M	RP10A-C RP11A-D
Applicable fluid	Air or gas		
fluid temperature	5~80°C		
Applicable primary pressure	Max. 2.0Mpa	Max. 3.0Mpa	
Applicable 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 psrre	Within 0.02Mpa (Adjustable secondary pressure 0.03~0.035Mpa) Within 0.03Mpa (Adjustable secondary pressure 0.035~0.07Mpa) Within 0.05Mpa (Adjustable secondary pressure 0.07~0.8Mpa)		
Leakage allowance	Less than 0.01% of rated flow (RP-9A Size 80mm or smaller. Nil (Confirm at pressure gauge)		
End connection	Flanged JIS 20K RF *note1		Flanged JIS 30K RF *note2
Materials	Body & seat	Body (FCD) & Seat(SUS)	Body (SCPH) & Seat (SUS) Body (SCS) & Seat(SUS)
	Disc	C3604 & NBR burn-in *note 3	SUS & NBR burn-in *note 3
	Piston & cylinder	C3604 & CAC	SUS
Valve body pressure test	1.5 times of flange rated pressure (Hydraulic)		
Installation	Install erectly to the horizontal pipe line		

\*Note 1. Flanged JIS 10K & 16K are also available upon your request.  
\*Note 2. Flanged JIS 10K, 16K and 20k are also available upon your request.  
\*Note 3. For size 100mm~150mm, the material will be stainless( metal touch).

## DIMENSIONS

RP-9A (Body: Cast iron) (mm)

Size	L	G	H	d	Cv Value	Mass(kg)
15	170	77	216	1/4	1	7.5
20	170	77	216	1/4	2.5	7.5
25	210	77	216	1/4	4	9
32	210	96	237	1/4	6.5	12
40	220	96	237	1/4	9	12.5
50	250	104	247	1/4	16	15.5
65	290	115	262	3/8	25	20.5
80	350	122	277	3/8	36	26.5
100	384	142	342	3/8	64	60
125	434	192	372	3/8	100	90
150	544	209	407	3/8	144	120

Flange code JIS 20KRF

## DIMENSIONS

RP-10A (Body: Ductile cast iron) & RP-11A (Body: stainless) (mm)

Size	L	G	H	d	Cv Value	Mass(kg)
15	198	80	217	1/4	1	7.5
20	198	80	217	1/4	2.5	7.5
25	228	80	221	1/4	4	9
32	232	97	238	1/4	6.5	12
40	248	97	238	1/4	9	12.5
50	280	107	248	1/4	16	15.5
65	288	119	263	3/8	25	20.5
80	366	126	278	3/8	36	26.5
100	426	146	342(340)	3/8	64	60
125	454	197	372(370)	3/8	100	90
150	564	216	407(405)	3/8	144	120

Note: figures in ( ) are for RP-11A Type.

Flange code JIS 30KRF