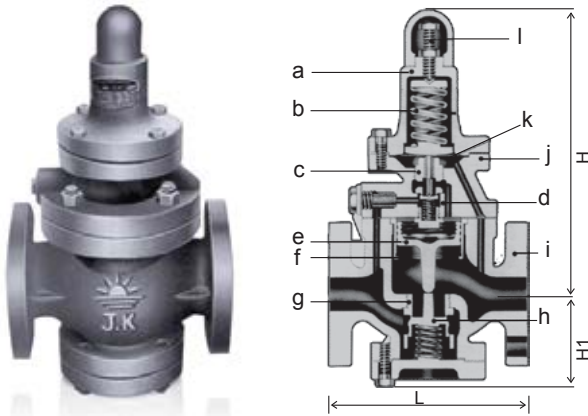


Pressure Reducing Valve

Type JRV-SF11 (RV-A)



Pilot Piston Type for Steam

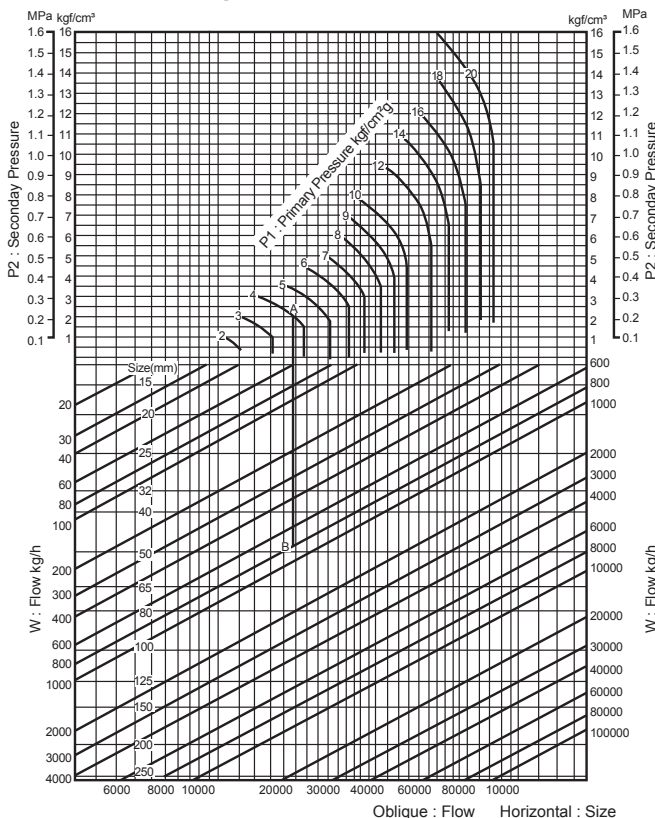


Specifications

No.	KIND	JRV-SF11 (RV-A)
1	Inlet pressure	Max. 10kgf/cm ² g {1.0MPa}
2	Outlet pressure	0.35~8kgf/cm ² g {0.035~0.8MPa}
3	Max reducing ratio	10 : 1
4	Working temp.	Max. 220 °C
5	Working fluid	Steam
6	Connection*	10K FF Flanged

- Secondary pressure must be less than 80% of primary pressure
- Minimum pressure differential across the disc : 0.7kgf/cm²{0.07MPa}
- Leakage allowance : Less than 0.05% of rated flow
- Hydraulic pressure test : JRV-SF11 (RV-A)/15kgf/cm²{1.5MPa}

Valve size selecting chart



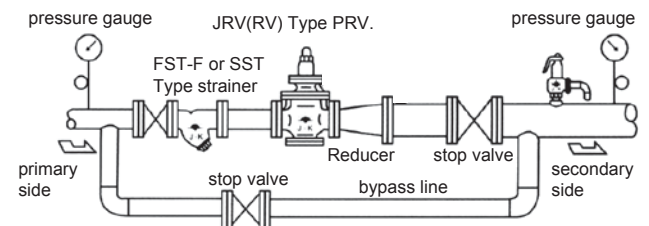
Materials

No.	Part	Material	
a	Spring case	Cast iron	
b	Spring	Carbon steel	
c	Pilot valve	Seat	Stainless steel
d		Disc	Stainless steel
e	Piston	Bronze	
f	Cylinder	Bronze	
g	Main valve	Seat	Stainless steel
h		Disc	Stainless steel
i	Body	Cast iron	
j	Top cover	Cast iron	
k	Diaphragm	Stainless steel	
l	Adjusting screw	Brass	

Dimensions (mm)

Size mm (inch)	Model JRV-SF11 (RV-A)				
	L	H1	H	Cv	Wt (kg)
15 (½")	165	75	270	1	11.4
20 (¾")	165	75	270	2.5	12
25 (1")	170	75	270	4	13.5
32 (1¼")	185	85	275	6.5	15.2
40 (1½")	200	85	275	9	17.5
50 (2")	220	92	283	16	21
65 (2½")	250	110	310	25	30
80 (3")	290	130	350	36	45
100 (4")	340	150	370	64	64.5
125 (5")	390	180	500	100	104
150 (6")	420	195	535	144	126
200 (8")	550	250	615	256	155

Installation example



How to use the chart

- Where,
- Primary pressure : 4kgf/ cm²g{0.4MPa}
 - Secondary pressure : 2kgf/ cm²g{0.2MPa}
 - Flow (Saturated steam) : 800kg/h

Obtain a cross point "A" on the vertical line of primary pressure 4kgf/ cm²g{0.4MPa} with horizontal line of secondary pressure 2kgf/ cm²g{0.2MPa}. Obtain a cross point "B" on the vertical line down from the point "A" with the oblique line of flow 800kg/h. As the point "B" is between size 40 and 50mm, select safer side 50mm.