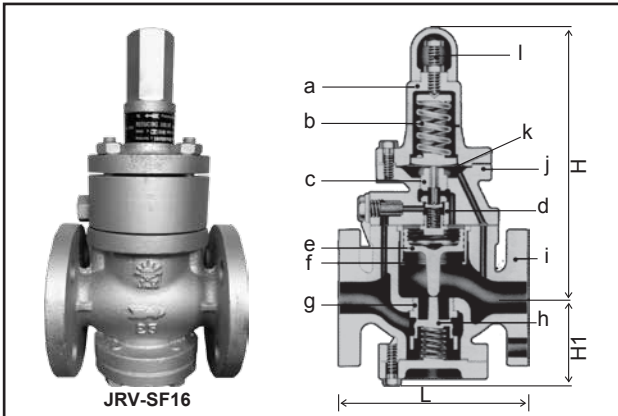




PRESSURE REDUCING VALVE

TYPE JRV-SF16 (Former SF11)

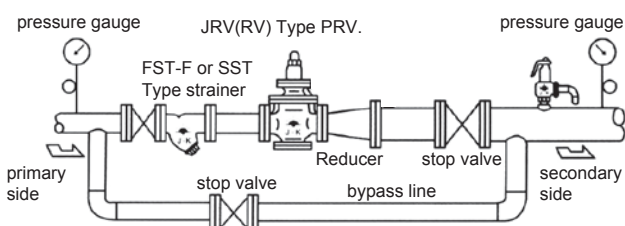


Pilot Piston Type for Steam

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

Dimensions (mm)						
Model	JRV-SF16					
Size mm (inch)	L		H1	H	Cv	Wt (kg)
	10K	16K				
15 (1/2")	139	139	63	200	1	8.6
20 (3/4")	139	139	63	200	2.5	9
25 (1")	139	139	63	200	4	9.7
32 (1 1/4")	180	180	81	220	6.5	12.5
40 (1 1/2")	180	180	81	220	9	13.3
50 (2")	200	200	92	228	16	18.5
65 (2 1/2")	230	230	101	239	25	25.4
80 (3")	260	264	114	253	36	33.8

Installation example

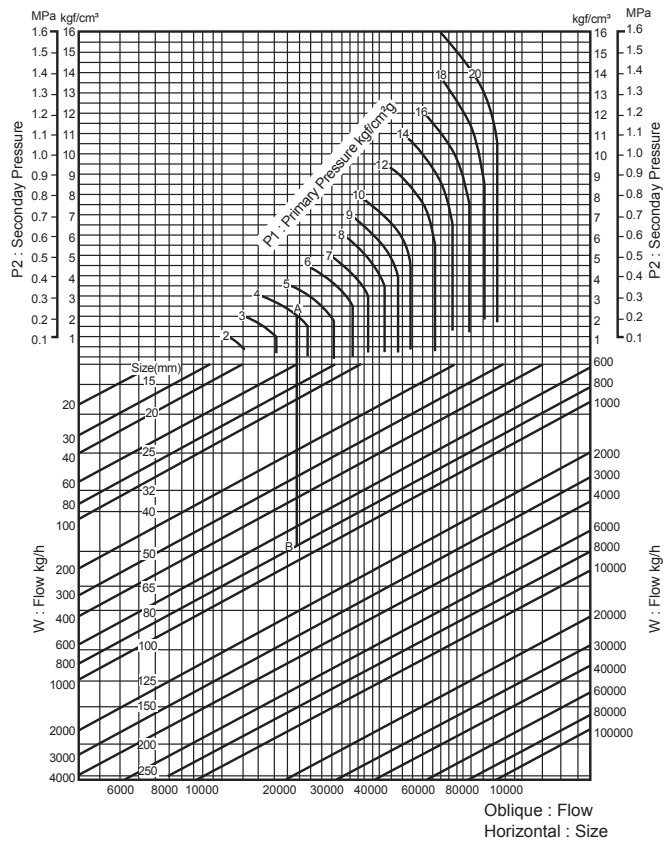


Specifications

No.	KIND	JRV-SF16
1	Inlet pressure	2~10kgf/cm ² {0.2~1.0MPa}
2	Outlet pressure	0.35~8.0kgf/cm ² {0.035~0.8MPa}
3	Max reducing ratio	20 : 1
4	Working temp.	Max. 220 °C
5	Working fluid	Steam
6	Connection*	10K/16K RF 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-SF16/15kgf/cm²{1.5MPa}

Valve size selecting chart



How to use the chart

Where,

- Primary pressure : 4kgf/ cm²{0.4MPa}
- Secondary pressure : 2kgf/ cm²{0.2MPa}
- Flow (Saturated steam) : 800kg/h

Obtain a cross point "A" on the vertical line of primary pressure 4kgf/ cm²{0.4MPa} with horizontal line of secondary pressure 2kgf/ cm²{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.