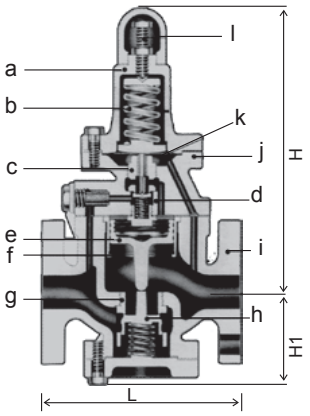
Pressure Reducing Valve

Type JRV-SF16 (Former SF11)

ALPHA GROUP

Pilot Piston Type for Steam

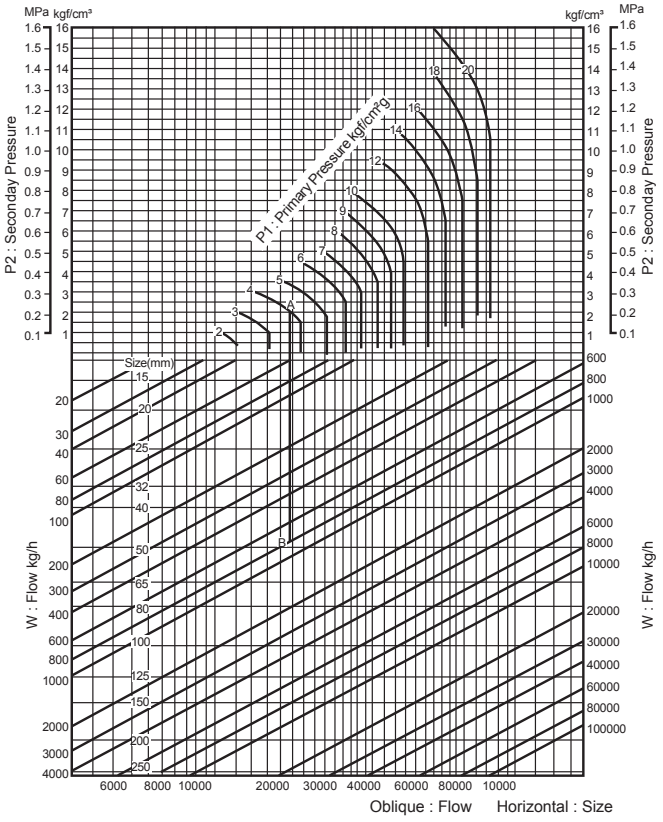


Specifications

No.	KIND	JRV-SF16
1	Inlet pressure	2~10kgf/cm²g {0.2~1.0MPa}
2	Outlet pressure	0.35~16kgf/cm²g {0.03~1.56MPa}
3	Max reducing ratio	20 : 1
4	Working temp.	Max. 300 °C
5	Working fluid	Steam
6	Connection*	10K/20K 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



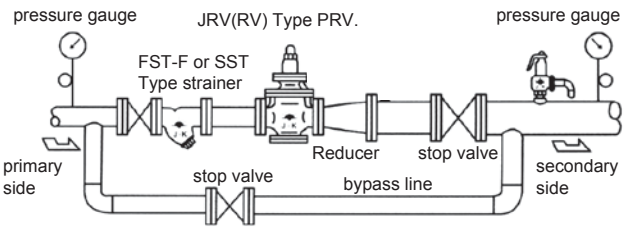
Materials

No.	Part		Material
a	Spring case		Ductile Cast iron
b	Spring		Carbon steel
c	Pilot valve	Seat	Stainless steel
d		Disc	Stainless steel
e	Pistion		Stainless steel
f	Cylinder		Cast Stainless steel
g	Main valve	Seat	Stainless steel
h		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 / Size mm (inch)	JRV-SF11 (RV-A)					
	L		H1	H	Cv	Wt (kg)
	10K	16K				
15 (½")	139	139	63	200	1	8.6
20 (¾")	139	139	63	200	2.5	9
25 (1")	139	139	63	200	4	9.7
32 (1¼")	180	180	81	220	6.5	12.5
40 (1½")	180	180	81	220	9	13.3
50 (2")	200	200	92	228	16	18.5
65(2½")	230	230	101	239	25	25.4
80(3")	260	264	114	253	36	33.8

Installation example



How to use the chart

Where,

Primary pressure : 4kgf/ cm²g{0.4MPa}

Seconday 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 seconedary 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.