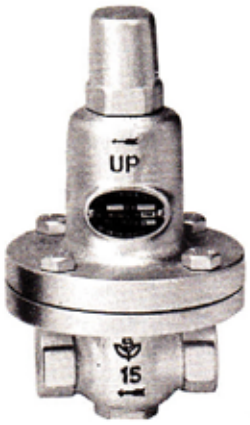
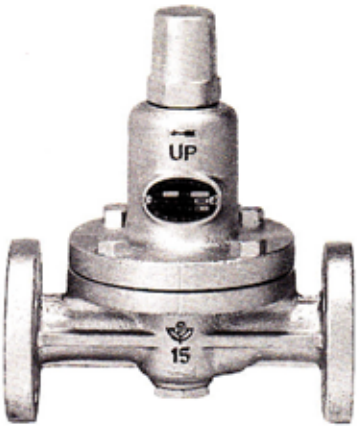
YPR-5 PRESSURE REDUCING VALVE



Screw Type

FEATURES

YPR-5 Type is a direct-operated type pressure reducing valve to be used for the service with too little flow for pilot-operated type pressure reducing valve and has features such as good at pressure regulating characteristics, wide adjustable pressure range and dependable trim material, stainless steel for steam service. Please note that those for steam service and for water, air and gases service are different. Please specify service fluid at ordering.

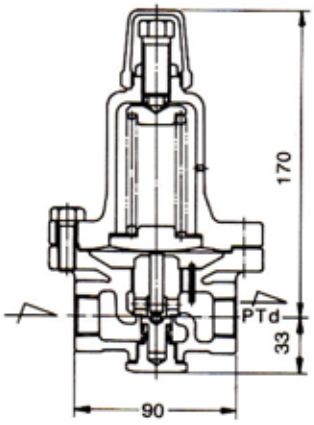


Flange Type

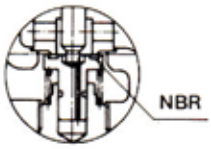
SPECIFICATIONS

Items \ Models		YPR-5H	YPR-5HA	YPR-5HF	YPR-5HAF
End connection		Screwed KSPT		Flanged KS10kgf/cm²RF	
Applicable fluid		Steam	Water, Air and gases	Steam	Water, Air and gases
Applicable primary pressure		Max. 10kgf/cm²g			
Adjustable secondary pressure		0.35~5kgf/cm²g			
Maximum reducing rate		15 : 1			
Minimum pressure differential across the disc		0.2kgf/cm²g			
Lock up pressure		Max. 0.2kgf/cm²g			
Leakage allowance		0.05% or less or rated flow	0	0.05% or less of rated flow	0
Applicable temperature		Below 220°C	5~80°C	Below 220°C	5~80°C
Materials	Body & seat ring	Body: Cast iron Seat ring: Stainless steel			
	Disc	Stainless steel	Brass with NBR heat deposited	Stainless steel	Brass with NBR heat deposited
Hydraulic pressure test		20kgf/cm²g			

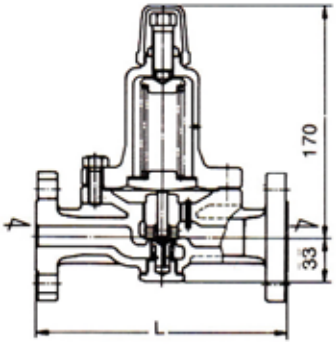
DIMENSIONS AND CONSTRUCTIONS



YPR-5H Type



YPR-5HA Type
YPR-5HAF Type



YPR-5HF Type

YPR-5H AND 5HA Type (Screw Type)

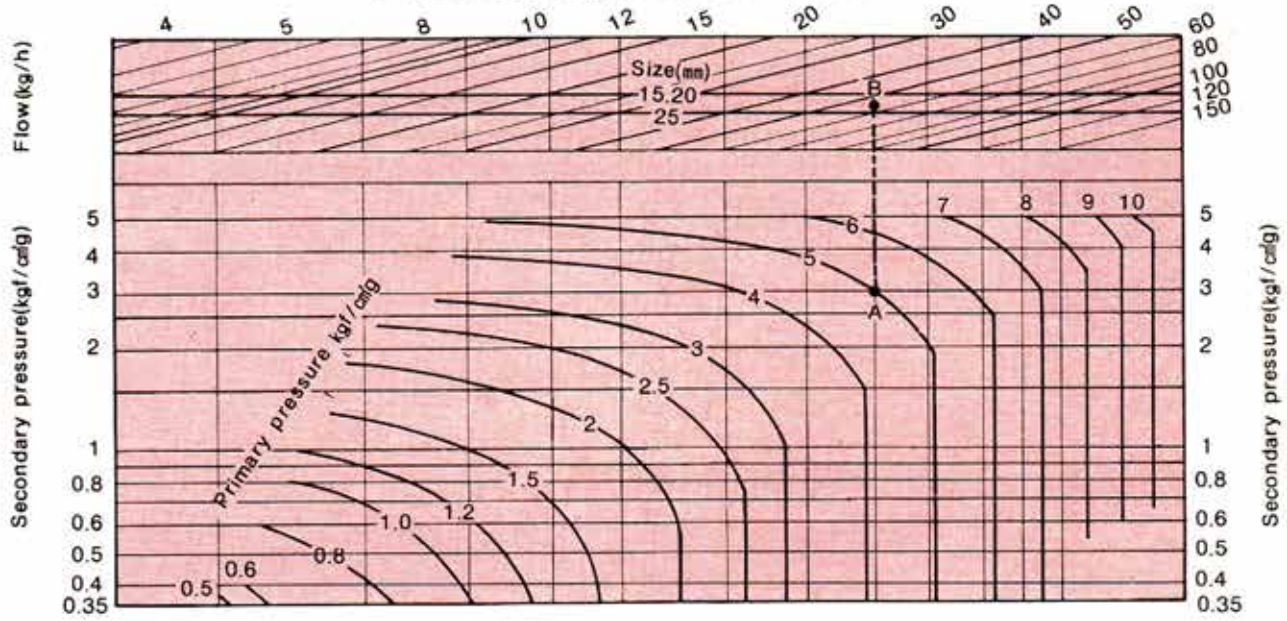
Size (mm)	15(½")	20(¾")	25(1")
d	½"	¾"	1"
Cv value	0.8	0.8	1
Wt.(kg)	4.1	4.1	4.4

YPR-5HF AND 5HAF Type (Flange Type)

Size (mm)	15(½")	20(¾")	25(1")
L	186	190	190
Cv value	0.8	0.8	1
Wt.(kg)	5.9	6.1	7.3

YPR-5 VALVE SIZE SELECTING CHART

FOR YPR-5H, YPR-5HF TYPE

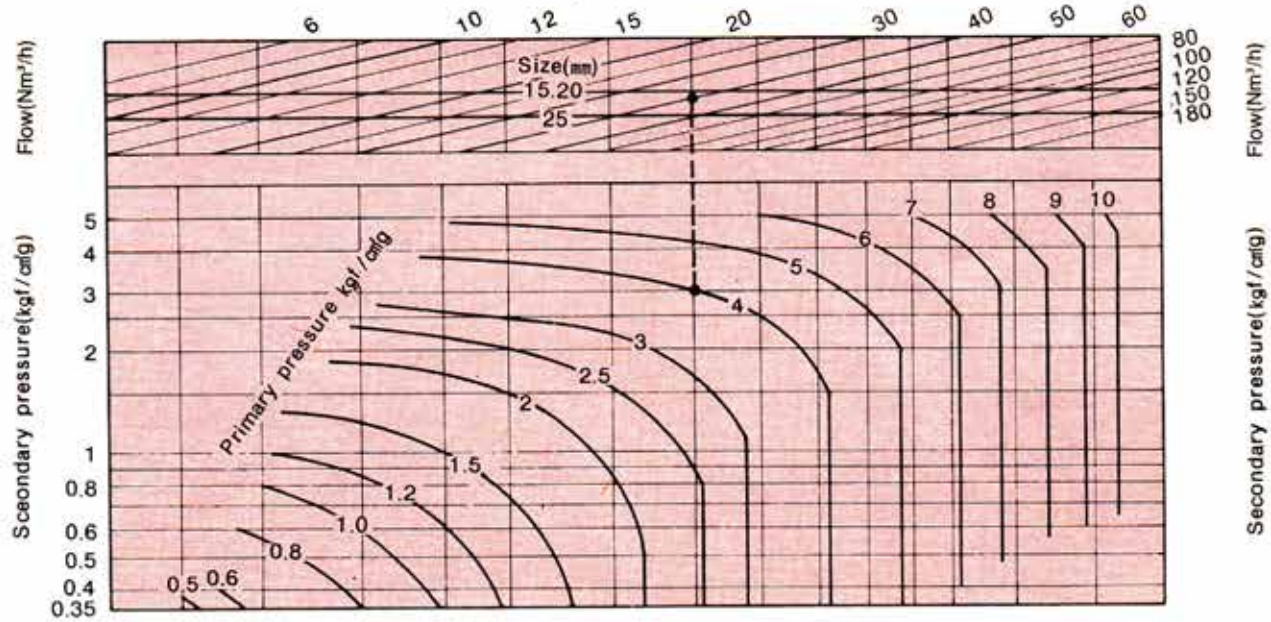


HOW TO USE THE CHART

Where,
Primary pressure : 5kgf/cm²g
Secondary pressure : 3kgf/cm²g
Flow (Saturated steam) : 55kg/h

Obtain a cross point "A" on the vertical line down from Primary pressure 5kgf/cm²g with horizontal line of Secondary pressure 3kgf/cm²g. Obtain a cross point "B" on the vertical line up from the point "A" with the horizontal line of Flow 55kg/h. As the point "B" is between Size 20 and 25mm, select safer side 25mm.

FOR YPR-5HA, YPR-5HAF TYPE



HOW TO USE THE CHART

Where,
Primary pressure : 4kgf/cm²g
Secondary pressure : 3kgf/cm²g
Flow (Saturated steam) : 40Nm³/h

Obtain a cross point "A" on the lines of Primary pressure 4kgf/cm²g and Secondary pressure 3kgf/cm²g. Obtain a cross point of "B" by tracing up vertically from "A" to Flow 40Nm³/h. As the point "B" is between Size 20 and 25mm, select safer side 25mm.