

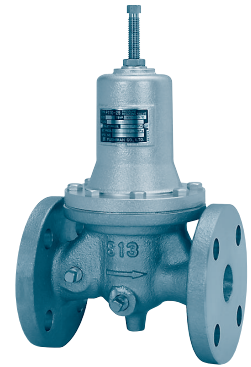
Direct
acting

Type P110-2S Pressure Reducing Valves

For
liquid

Washed off oil

- Made of stainless steel to prevent rusting where there is contact with fluid.
- Stable operation.
- Negligible influence is exerted by inlet pressure change due to the use of a pressure balancing construction.
- A valve disc made of synthetic rubber ensures tight shut off when closed.
- It can be installed in both horizontal and vertical piping.
- Tapped holes for connection of the pressure gauge are provided at both the inlet and the outlet.



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Pressure Reducing Valves (For liquid)

Specifications

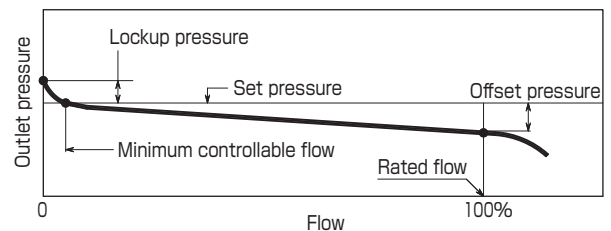
Fluid	Size	Pressure (MPa)		Temp. (°C)	Material for main parts				Connection	
		Inlet	Outlet set range		Body	Valve disc & diaphragm	Valve seat	Stem	Gauge conn.	Flanged
Water & non-corrosive liquid	20—50	0.1 1.0	0.05 0.35	0 80	Stainless cast steel	Synthetic rubber	Stainless steel	Stainless steel	JIS Rc ¹ / ₄ (Female)	JIS10KFF

Remark : Outlet set pressure range 0.03—0.15 and 0.1—0.7MPa are available.

Performance

Size	Min. differential pressure (MPa)	Min. controllable flow ℓ /min	Capacity		Offset (MPa)	Lockup pressure (MPa)	Seat leakage
			Cv	Max. flow ℓ /min			
20	0.05	0.5	2.6	55	0.07 or less	0.02 or less	0.01% of rated flow or less
25			3.9	85			
32		2	6.3	120			
40			8.3	150			
50			13	250			

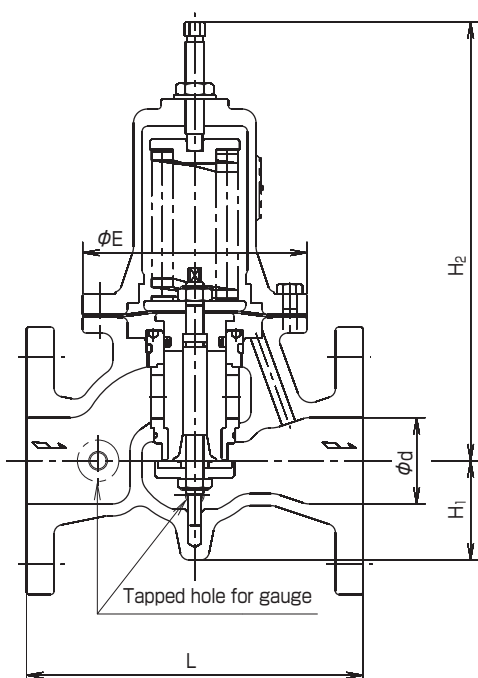
Flow characteristic curve



The rated flow shall be smaller between calculated by C_v ($Q = \frac{C_v \times \sqrt{\Delta P}}{0.696}$) and maximum flow rate (above table).

ΔP : differential pressure (kPa)

Construction



Dimension and weight

(mm, kg)

Size	d	L	H ₁	H ₂	E	Weight
20	25	160	50	197	100	5.5
25	25	160	50	197	100	6.5
32	32	175	49	260	130	10.0
40	32	175	49	260	130	10.5
50	50	195	58	276	130	13.0

Construction

