

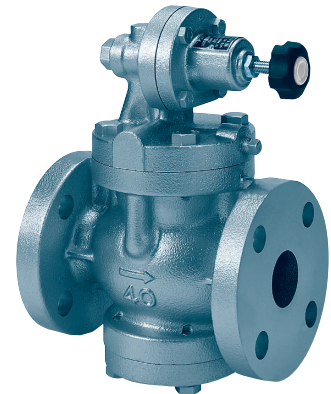
Pilot  
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# Type P260-DHC Pressure Reducing Valve

For  
steam

Pressure balancing type pressure reducing valve, designed for DHC (District Heating and Cooling) plant.

- Stable pressure control against unstable inlet pressure
- Suitable for secondary valve of dual series pressure reducing system, also.

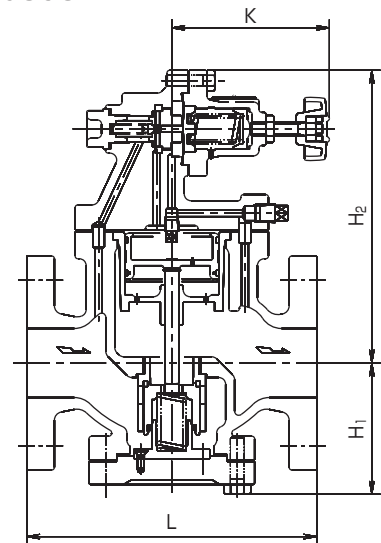


## Specifications and performance

Size		15—250
Fluid		Steam
Inlet	Pressure	0.1—1.0MPa
	Max. temp.	220°C
Outlet press. set range		0.03—0.2, 0.1—0.8, 0.5—0.9MPa
Cv		4.5d <sup>2</sup> —3.1d <sup>2</sup> (Refer to P260)
Max. press. range ability		20 : 1
Min. differential pressure		10% of inlet pressure (min. 0.07MPa)
Offset pressure		0.03MPa or less
Lockup pressure		0.02MPa or less
Min. controllable flow		5% of rated flow
Seat leakage		0.05% of rated flow or less
Material	Body	Cast iron <sup>(1)</sup> or cast steel
	Main valve disc & seat	Stainless steel
	Piston & cylinder	Stainless steel
	Diaphragm	Stainless steel
	Balancing piston	Stainless steel

Note (1) : Body material for size 15—40 is spheroidal graphite cast iron.

## Construction



Note : Refer to P260 Pressure Reducing Valve for sizing and dimensions.

1 Pressure Reducing Valves (For steam)

## Example — For DHC plant

### 1. Dual parallel reducing system

Dual parallel pressure reducing system is applied against unstable inlet pressure which is arisen by two way valve and flow meter.

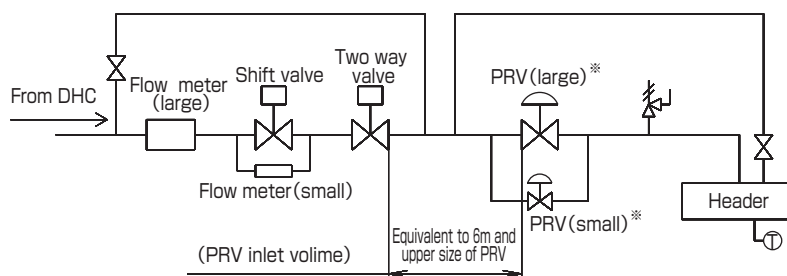
Rated flow of PRV (small) shall be bigger than max. flow of flow meter (small).

Set pressure of PRV (large) shall be 0.03MPa lower than that of PRV (small).

### 2. PRV inlet piping volume

Piping capacity equivalent to 6m with bigger than PRV (large) size shall be provided at PRV inlet.

When two way valve is provided up stream of large and small flow meter, volume larger than the piping from small flow meter shall be provided.



※The sluice valves, the pressure gauges and the traps should be installed before/after the PRV as shown in the fig. on page 9.