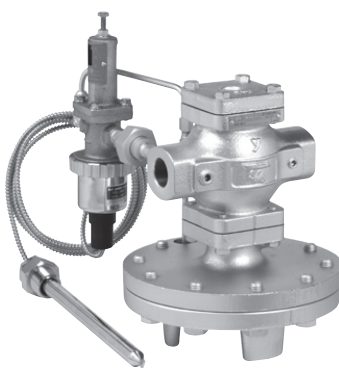


OB-2000

Direct acting type	Pilot operated type	Heating	Cooling
Bellocs	Diaphragm	Single valve	Double valve
Soft seat			



OB-2000 Screwed type



OB-2000 Flanged type

■Features

1. Large capacity.
2. Excellent sealability ensured by the spherical valve.
3. Wide temperature adjusting range. The thermal bulb can be installed in any direction.
4. Since the body and the thermal bulb are easy to attach and detach, they can be replaced easily for thermal specification change.

■Specifications

Model		OB-2000
Application	Heating	Steam
	Heated	Cold and hot water, Oil, Non-dangerous fluids
Maximum Pressure	Body	2.0 MPa *1
	Thermal bulb	1.0 MPa
Minimum differential pressure		0.05 MPa
Max. temperature		220°C
Temperature adjusting range		-8 - 183°C
Valve seat leakage		0.01% or less of rated flow rate
Material	Body	Ductile cast Iron (FCD450)
	Main valve, valve seat	Stainless steel
	Diaphragm	Stainless steel
	Pilot valve	Stainless steel
	Pilot valve seat	Stainless steel
	Thermal bulb	Copper pipe (nickel chrome plated) *2
Standard capillary length		2 m
Connection		JIS Rc screwed JIS 10K FF, 20K RF flanged

*1 Maximum pressure of JIS 10K FF flanged is 1.0 MPa.

- Available with thermal well (stainless steel). Please refer to P. 18-37.
- Available with capillary of 3 or 5 meter.

*2 In case of attached thermal well (stainless steel), the bush of thermal bulb will be unnecessary. Please refer to P. 18-36.

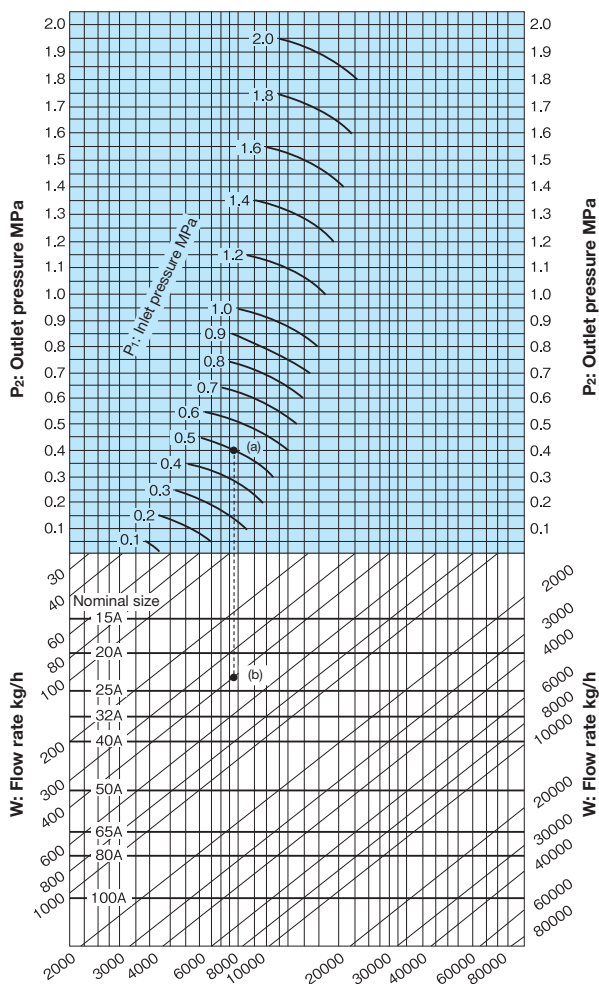
- Available with NPT or BSPT screwed.
- Available with ASME or EN flanged.

■Temperature Adjusting Range

Temperature adjusting range (°C)	Withstand temperature (°C)
-8-15	35
10-36	56
30-62	82
55-94	114
80-127	147
115-183	203

- The term "withstand temperature" means the temperature from pressure resistance of the bellows.

■OB-2000 Nominal Size Selection Chart(For steam)



[Example]

When selecting the nominal size of a temperature regulator whose inlet pressure (P_1), outlet pressure (P_2), and steam flow rate are 0.5 MPa, 0.4 MPa, and 400 kg/h, respectively, first find intersection point (a) of the inlet pressure of 0.5 MPa and the outlet pressure of 0.4 MPa. Trace down vertically from this intersection point (a) to find intersection point (b) with the flow rate of 400 kg/h.

Since this intersection point (b) lies between nominal sizes 20A and 25A, select the larger one, 25A.

* Chart of the flow rate is a reference value.