TD-8, 8A Type Temperature Regulating Valve

for Hot Water Tank, Heat Exchanger, Heavy Oil Heater, etc.

High-performance single seat valve with pressure balancing structure and advantages of single seat valves.

■ FEATURES

- Compact structure, large capacity.
- Single seat valve with less leakage.

■ SPECIFICATIONS

Utility		Hea	ating	Cooling			
Model name		TD-8		TD-8A			
Туре		Liquids	Gases	Liquids	Gases		
Code name		TD8W-J □	TD8G-J	TD8AW-F	TD8AG-F		
		$lpha$ 1, 2 or 3 for adjustment temperature range is required in \Box .					
Adjustment temperature range		1:40~60°C 2:60~80°C * ^{1,e2,} 3:80~100°C	40~60°C, 50~70°C, 60~80°C, 70~90°C, 80~100°C* *2.				
Applicable ambient temperature		Setting temperature −10°C or below					
Applicable fluid		Ste	eam	Water			
Fluid to be heated or cooled		Water, oil & liquids	Gases	Water, oil & liquids	Gases		
Seat type		Pressure balance type single seated					
Leakage allowance		0.05% or less than the rated flow					
Applicable temperature of valve body		Max	.184°C	Max. 60°C			
Length of capillary tube		2m(Available up to 5m)					
End connection		Screwed JIS Rc (Union)					
	Body	Cast bronze					
Materials	Disc & Seat	Stainl	ess steel	Disc(Cast bronze), Seat(Brass)			
	Bellows	Phosphor bronze					
	Thermo bulb	Stainless steel	Stainless steel with stainless steel fin	Stainless steel	Stainless steel with stainless steel file		
Applicable pressure for thermo bulb		Max. 1.0MPa					
Pressure limit at inlet		0.7MPa					
Valve body pressure test		Hydraulic 1.5MPa					

- * 1. Other than the above adjustment temperature range are available upon your request.

 * 2. In case of liquid use, adjustable temperature range 100-120°C (Withstanding temperature 130°C) is available upon your request.

 * 3. Refer to Page 132 for adjustable temperature range

 * 4. In case of liquid use, the protection cap for thermo bulb, with non-standard dimension is available upon your request.

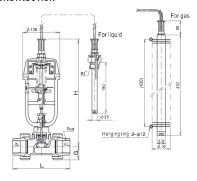
■ DIMENSIONS

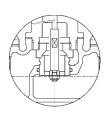
(mm)

Size	L	G	Н	d	Cy value	Mass(kg)
15(1/2")	136	30	378	1/2"	3	7
20(3/4")	136	30	378	3/4"	3	7
25(1")	142	33	378	1″	4	7
32(11/4")	184	40	391	1¼″	6.5	8.5
40(11/2")	202	42	395	1½″	8	9

* Mass are for TD-8 Type

■ CONSTRUCTION





TD-8A Type

