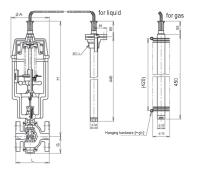
TD-2 Type Series Temperature Regulating Valve

General purpose, flanged temperature regulating valves for heating of water tank, heat exchanger, heavy oil heater etc. The series also include valves using water or coolant for cooling purpose. And we have a suitable models applicable in place where ambient temperature is higher than set temperature or applicable for the lower temperature of 40°C or below.



■ CONSTRUCTION

TD-2 Type



Depending on size, the structure may vary. The bellows of TD-2L and TD-2AL Types have different structures.



TD-2A,2AL Type

■ LEAKAGE ALLOWANCE (g/min or mL/min)

Size(mm)	15	20	25	32	40	50
TD-2 Type TD-2A Type	20	20	20	26	32	40
TD-2L Type TD-2AL Type	40	40	40	52	64	80

Size(mm)	65	80	100	125	150
TD-2 Type TD-2A Type	52	64	80	100	120
TD-2L Type TD-2AL Type	104	128	160	_	_

^{*} Reading in g/min for testing fluid STEAM. * Reading in mL/min for testing fluid WATER.

■ SPECIFICATIONS (Common use)

Utility		Heating	3	Low temp heating		Cooling		Low temp cooling	
Model name		TD-2			TD-2L	TD-2A TE		TD-2AL	
Size	Size		~6")	15~1	00(1/2"~4")	15~150(1/2"	~6″)	15~1	00(1/2"~4")
Applicable fluid	Steam & hot water			Water & cold media					
Fluid temperature	Max. 184°C			Max. 60°C					
Seat type	Double seated								
Leakage allowance		Refer to table of leakage allowance							
End connection		Flanged JIS 10KFF							
Materials		Body(Cast iron), Disc & Seat(Cast bronze*), Bellows(Phosphor bronze)					bronze)		
Pressure limit	Size(mm)	15~40	50~	65	80	100	13	25	150
at inlet	Limit(MPa)	1.0	0.7	7	0.5	0.4	0.	35	0.2
Valve body pressure t	Hydraulic 1.5MPa								

■ SPECIFICATIONS TD-2 Type (Heating)、TD-2A Type (Cooling)

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Model name	TD-2(H	Heating)	TD-2A(Cooling)			
Utility	Liquids	Gases	Liquids	Gases		
Cadamana	TD2W-B □*1. TD2G-B		TD2AW-B	TD2AG-B		
Code name	※ 1, 2 or 3 for adjustment temperature range is required in .					
Adjustment temperature range	1:40~60°C 2:60~80°C* ² * ³ 3:80~100°C	40~60°C, 50~70°C, 60~80°C, 70~90°C, 80~100°C*2*3.				
Applicable ambient temperature	Setting temperature −10°C or below					
Fluid to be heated or cooled	Water, oil & liquids	Gases				
Length of capillary tube	Size 15~100mm:2m*5, Size 125~150mm:4m*5.					
Thermo bulb materials	Stainless steel	Stainless steel with stainless steel fin	Stainless steel	Stainless steel with stainless steel fin		
Applicable pressure for thermo bulb	Max. 1.0MPa					

■ SPECIFICATIONS TD-2L Type (Low temp Heating),TD-2AL Type (Low temp Cooling)

Model name	TD-2L(Low t	emp heating)	TD-2AL(Low temp cooling)			
Utility	Liquids Gases		Liquids	Gases		
Code name	TD2LW-B TD2LG-B		TD2ALW-B	TD2ALG-B		
Adjustment temperature range	15~35, 20~40, 35~55℃					
Applicable ambient temperature	Setting temperature +20°C or below					
Fluid to be heated or cooled	Water, oil & liquids	Gases	Water, oil & liquids	Gases		
Length of capillary tube	Size 15~100mm:2m*5, Size 125~150mm:4m*5.					
Thermo bulb materials	Stainless steel Stainless steel with stainless steel fin		Stainless steel Stainless steel with stainless steel fi			
Applicable pressure for thermo bulb	Max. 1.0MPa					

- *1. In case of size 100mm or bigger, the code name is TDZW-B.

 *2. Items other than the above adjustment temperature range are available upon your request.

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

 *4. Refer to Page 132 for adjustable temperature range.

 *5. Length of capillary tube up to 8 mis available upon your request.

 *6. In case of liquid use, for sizes 15-65mm (%"-2\%"), the protection cap for thermo bulb, with non-standard dimension is available upon your request.

■ DIMENSIONS

(mm)

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Size	L	G	Н	Α	Cv value	Mass(kg)
15(1/2")	126	60	475	160	3	12.1
20(3/4")	130	60	475	160	3	12.4
25(1")	140	70	485	160	4	13.5
32(11/4")	150	75	490	160	6.5	15
40(1½″)	160	75	490	160	8	15.5
50(2")	180	100	525	160	12.5	22.5
65(2½″)	215	115	535	160	18	29.2
80(3")	260	125	580	180	25	38
100(4")	300	150	605	180	40	57.5
125(5")	360	180	745	220	70	75.6
150(6")	382	205	770	220	110	125

Flange code JIS 10KFF