

# Pressure Independent Control Valves

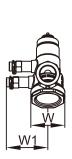
**TB300** allows presetting at the maximum flow, pressure-independent balancing and electric control. Flow control is only related to the opening of the electric actuator, regardless of system pressure differential fluctuation. TB300 valve authority reaches 100%. The actual and ideal flow characteristic curves keep consistent provides precise and fast control, reduces actuator operating frequency, bringing stable energy saving effect.

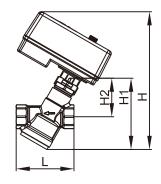
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**TB300** 

# **Product Features**

- Pressure-independent product.
- 100% valve authority, minimizing energy consumption.
- Realizing equal percentage and linear characteristic curve.
- Flow presetting, pressure-independent balancing and electric control: three in one function.
- Free maximum flow setting, for more accurate control.
- No need to change the fixed stroke of the valve disc while setting flow manually.
- Flow control is related to the opening of the actuator, regardless of pressure differential fluctuation.
- Allowing multiple power supply input signal options.
- Plug-in flow measuring point, allowing quick connection.





## **Technical Parameters**

**Supply Voltage**: 24 VAC, 230 VAC, 0~10 V, 4~20 mA

Stroke: 2.5 mm~6 mm Power: < 4 VA

Pressure Differential Range: 25 Kpa~400 Kpa

Working Pressure: 2.5 Mpa

Medium: Water

Medium Temperature: -10°C~110°C (-38°F~230°F)

Dimensions:  $\frac{1}{2}$ " ~  $1\frac{1}{4}$ " Ingress Protection: IP43
Thread Standard: BSPT or NPT

# **Material Specifications**

Body: Forged brass Stem: Stainless steel Diaphragm: EPDM

**Seat**: Brass or stainless steel

Spring: Stainless steel

Seal: EPDM
Shell: ABS plastic
Measuring Port: Brass

### Flow Parameters

Model	ln	Stroke Flow Range m³/h		Pressure Differential Range Kpa		
TB300	1/2"	2.5	0.15-0.6	25-400		
TB300	3/4"	2.5	0.25-1.1	30-400		
TB300	1"	5	0.3-1.5	30-400		
TB300	1 1/4"	6	0.6-3.1	30-400		

### Dimensions

Model	L mm	H mm	H1 mm	H2 mm	W mm	W1 mm	Weight Kg
TB300	75	199	101	52	45	57	0.65
TB300	85	203	105	57	48	59	0.75
TB300	90	212	114	62	48	59	0.90
TB300	115	236	138	75	59	65	1.20