## Pressure Independent Control Valves

**TS500** 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. TS500 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.

## **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.
- Pressure-independent balancing and electric control: two in one function.
- Maximum flow setting as desired, more accurate control.
- No need to change the fixed stroke of the valve disc while setting the flow manually.
- Lockable flow setting.
- 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.

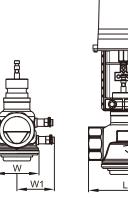
## **Technical Parameters**

Supply Voltage: 24 VAC, 230 VAC, 0~10 V, 4~20 mA Stroke: 10 mm~15 mm Power: < 5.5 VA Pressure Differential Range: 30Kpa~400 Kpa Working Pressure: 2.5 Mpa Medium: Water Medium Temperature: -10°C~110°C (-38°F~230°F) Dimensions: 1½" ~ 2" Ingress Protection: IP54 Thread Standard: BSPT or NPT

#### **Flow Parameters**

Model	In	Stroke mm	Flow Range m³/h	Pressure Differential Range Kpa	
TS500	1 1/2″	10	1.5-7.5	30-400	
TS500	2″	15	2.0-10	30-400	





# Material Specifications

Body: Stainless steel Stem: Stainless steel Diaphragm: EPDM Seat: Stainless steel Spring: Stainless steel Seal: EPDM Shell: ABS plastic Measuring Port: Brass

#### **Dimensions**

Model	L mm	H mm	H1 mm	H2 mm	W mm	W1 mm	Weight Kg
TS500	140	121	60	75	89	121	2.7
TS500	140	126	65	75	89	121	3.0

### TALOAR®

TS500

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