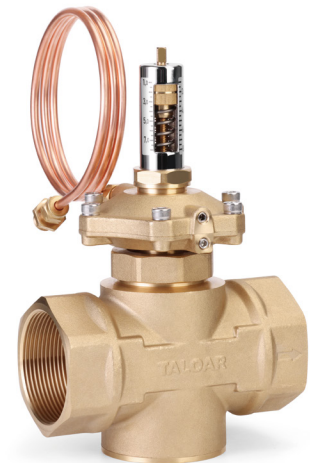


Differential Pressure Control Valves

PN20/ 300PSI

PC500 brass differential pressure control valve adopts a low-resistance upright structure. It provides precise and stable control in variable flow systems, automatically maintaining a constant differential pressure across the valve within a relatively stable value, without any external power supply. The high-precision disc and reliable sealing performance ensures precision and durability in flow measurement. PC500 is mainly used in the HVAC system.



PC500

1/2" ~ 2"

Product Features

- Relying on the pressure change of the high/low pressure chambers to change the valve opening angle, automatically keeping differential pressure constant.
- Wide controllable pressure differential range.
- On-site pressure differential setting available.
- Optional pressure measurement ports.
- Lower noise.

Technical Parameters

Pressure Rating: 1/2" / PN16; 3/4"-2" / PN20

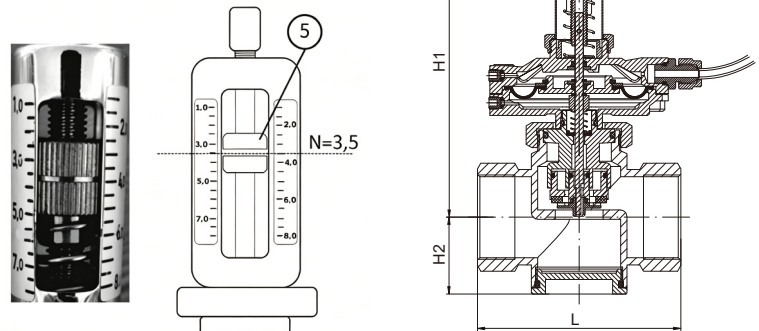
Working Temperature: -10°C~120°C

Size: 1/2"-2" (DN15 mm ~ DN50 mm)

End Type: BSPT or NPT threads

Medium: Water

Max. Kpa: ≥250Kpa



Material Specifications

Body: Brass

Bonnet: Brass

Disc: Copper alloy

Seal Ring: EPDM

Diaphragm: EPDM

Spring: SUS304

Pressure Sensing Tube: Copper

Pressure Sensing Tube Size: 1 m (1/8")

Setting Turns	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
Differential Pressure Range	5.0	7.2	9.3	11.5	13.6	15.8	17.9	20.0	22.2	24.4	26.5	28.7	30.8	33.0	35.0
	13.0	16.7	20.4	24.0	27.5	31.8	36.0	39.6	43.2	46.4	49.5	55.7	62.0	-	-

Dimensions/Weights

mm	15	20	25	32	40	50
In	1/2	3/4	1	1 1/4	1 1/2	2
L	66	74	80	98	114	140
H1	133.5	133.5	133.5	151	161	161
H2	27.5	27.5	27.5	37	43.7	50.5
KVS	1.9	2.9	5.3	9.3	15	16
Kg	1.242	1.31	1.355	1.85	2.13	2.65

* In valve installation, it is strongly suggested that sufficient space should be left for easy maintenance in the future. A strainer shall be mounted in front of the valve to prevent foreign matters from blocking the valve.