



Specification

- Type: Fixed orifice
- Size range: 15mm ~ 50mm
- Max.working pressure: 25 bar
- Testing pressure: 37.5 bar (Shell)
27.5 bar (Seat)
- Working temperature: -10 CO to 120 CO
- Connection: BS 21 (ISO7)
ANSI B1.20.1
- Standard: Comply to BS 7350

Application

Tozen Double Regulating Valves are installed and used in centralised heating and cooling systems to obtain design flow rates of each terminal units and balancing the circuits in the building.

Function

- Balancing
- Measuring
- Pre-setting
- Isolating

Dimensions

Size (mm)	L (mm)	H (mm)	Weight (kg)	Kvs
15	90	109	0.6	2.20
20	98	110	0.6	4.60
25	105	125	0.8	8.50
32	120	128	1.1	16.70
40	130	145	1.4	26.10
50	150	148	2.0	43.20

Note:
1. Kvs at fully open position.

Features

- Y-pattern globe design.
- Integral fixed orifice plate to form a fixed orifice flow measurement unit with regulation and isolation function.
- Accuracy of +/-5% at full open position of the valve.
- Equipped with 2 measuring nipples for differential pressure measurement.
- Microset handwheel adjustment with easily readable settings.
- Multi-turn adjustment range for maximum flow control.
- Double regulating feature allows valve opening to be set with allen key.
- Long neck for thermal insulation.
- Bronze body of PN25 pressure rating.

Material

Part	Material	ASTM	EN
Body	Bronze	B62 B83600	EN1982 CC491K
Bonnet	DZR Brass	B453 C35330	EN12165 CW602N
Stem	DZR Brass	B453 C35330	EN12165 CW602N
Disc	DZR Brass	B453 C35330	EN12165 CW602N
Orifice Insert	DZR Brass	B453 C35330	EN12165 CW602N
Measuring Nipples	DZR Brass	B453 C35330	EN12165 CW602N
O-Ring	EPDM		
Handwheel	ABS		

Structure

