

## BRASS BALANCING VALVE

### SPECIFICATION

- Threaded to BS21 (ISO7), ASME B1.20.1, for Single Unit Systems Conforms to BS7350.
- Y-pattern globe valve having characterized throttling disk tending towards equal percentage performance. Integral square edged entrance orifice plate with test point fitted.
- Operation of the valve is by means of the micro hand wheel.
- Flow Measurement Accuracy :  $\pm 5\%$  (fully open)

### PRESSURE/TEMPERATURE RATINGS

Working pressure	16/25 bar
Testing Pressure	24/37.5 bar
Working temperature	-10°C ~ 120°C

### MATERIALS

Part	Material	ASTM	BS
Body, Disc	Brass	B124 C37700	2874 CZ122
Bonnet	Brass	B124 C37700	2874 CZ122
Stem, Orifice insert	Brass Rod	B16 C36000	2874 CZ121
O-ring	EPDM Rubber		
Hand wheel	ABS Plastic		

### DIMENSIONS

Size(mm)	L(mm)	H(mm)	weight(kg)
15	100	138	0.48
20	115	128	0.50
25	125	130	0.60
32	140	150	1.00
40	160	187	1.50
50	180	198	2.00

### FLOW RATE

Size(mm)	Flow Rate (l/s)	
	Min	Max
15	0.061	0.132
20	0.131	0.289
25	0.239	0.537
32	0.461	1.120
40	0.681	1.680
50	1.281	3.120

#### Note:

- **% Valve opening:** Products it is desirable that the valve will operate within the range indicated. Valve opening down to 30% and up to 100% are acceptable in practice.
- **Installation:** To achieve quoted levels of flow measurement accuracy the guidelines indicated must be regarded as minimum requirements. For valve the tolerance on flow measurement accuracy is  $\pm 5\%$  fully open  $\pm 10\%$  when 40% open.

Fig. 901

PN16/25  
DN 15-50

