

## DUCTILE IRON BALANCING VALVE

### SPECIFICATION

- Valve confirm to requirements BS7350.
- Flanged to BS4504 PN16/25, JIS10/16K, ANSI.
- These are Y-pattern globe valves with tow test point of flow measurement.
- Primarily used in injection or other circuits requiring a double regulating valve for system balancing.
- Accuracy of flow measurement is  $\pm 5\%$  at the full open position of the valve.
- Some reduction in accuracy occurs at partial opening of the valve in accordance with BS 7350.

### 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, Bonnet	Ductile iron	A536 65-45-12	Gr.450-12
Stem	Stainless steel	S41000	BS970 410S21
Disc	EPDM coated DI	A536 65-45-12	Gr.450-12
Hand wheel	Ductile iron	A536 65-45-12	Gr.450-12
Painting	Epoxy Power Coating, t= 250µm		

### DIMENSIONS

Size(mm)	L (mm)	H (mm)	weight (kg)
65	290	260	25.00
80	310	329	25.50
100	350	340	31.00
125	400	424	47.50
150	480	454	67.50
200	550	517	101.00
250	622	573	175.00
300	698	617	265.50
350	787	705	300.00

### FLOW RATE

Size(mm)	Flow Rate (l/s)	
	Min	Max
65	2.50	11.00
80	3.30	15.00
100	6.10	26.00
125	9.50	40.00
150	13.00	57.00
200	22.00	100.00
250	34.00	157.00
300	50.00	226.00
350	65.00	290.00

#### 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. 902

PN16/25

DN 65-350

