

Manual circuit setter

Description

The manual circuit setter balance valve is a precision machined ball type triple purpose balancing instrument. They are precisely calibrated for use as a presettable balance valve, variable orifice flow meter and positive shut-off service valve.

Valves are furnished with a calibrated nameplate and memory stop indicator which permits a preset to a fixed open position and then closed for service without disturbing valve setting.

Valves are equipped with capped readout valves fitted with internal check valves and 1/4" NPT tapped and plugged drain port.

Construction

- Body: Brass ASTM B283-C69300*
* Contains less than 0.25% lead content by weight on wetted surfaces
- Ball: 304 stainless steel
- Seat rings: Glass and carbon filled TFE
- Readout valved: Brass with EPT check valves
- Stem O-ring: EPDM

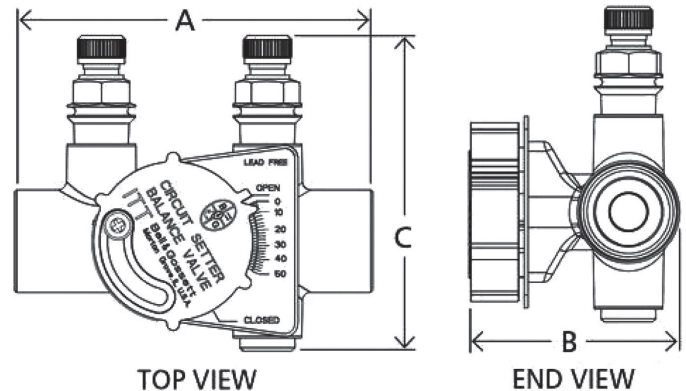
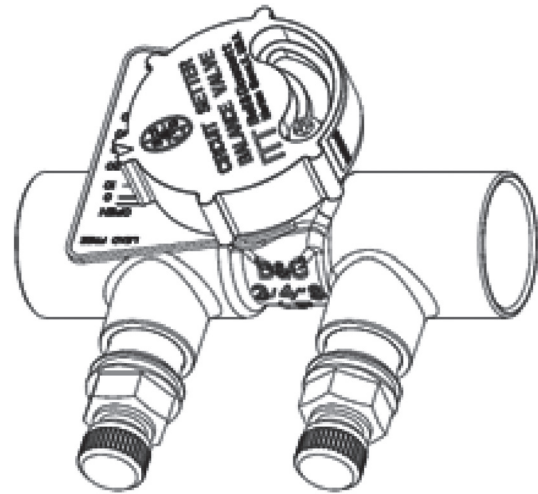
Maximum working pressure

- NPT models: 400 psig (2069 kPa)
- Sweat models: See table below

Maximum operating temperature

- -4 °F (-20 °C) to 250 °F (121 °C)
- CSA certified: AB1953; Vermont S152
- Maryland House Bill 372 (statue 12-605)
- ANSI/NSF-61 Annex G compliant

Type solder	Maximum pressure limitations	
	Pressure PSI (KPa)	Temp °F (°C)
95-5 Tin-Antimony	300 (2069)	200 (93)
	250 (1724)	225 (107)
	200 (1379)	250(121)



Dimensions and weights

Size	Connection type	Dimensions in inches (mm)			Weight lbs. (kg)
		A	B	C	
1/2"	Sweat	2.91 (73.9)	1.82 (46.2)	2.85 (72.4)	1.00 (0.5)
3/4"	Sweat	3.51 (89.1)	2.05 (52.1)	3.10 (78.7)	1.25 (0.6)