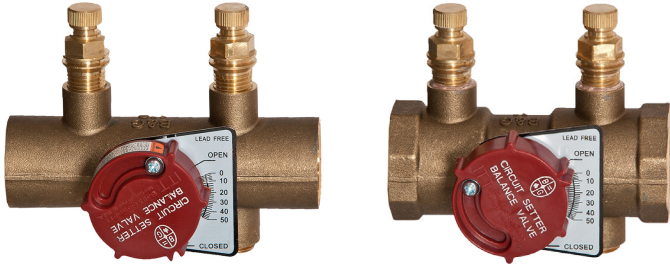


JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


Circuit Setter Plus®

Calibrated Balance Valves with NPT and Solder Connections
LEAD FREE*

CONSTRUCTION

Body: Lead-Free Brass*
Ball: 304 Stainless Steel
Seat Rings: Glass and Carbon filled TFE
Readout Valves: Brass with EPT check valves
Stem "O" Ring: EPDM

MAXIMUM WORKING PRESSURE

NPT Models: 400 psig (2758 kPa)
Sweat Models: See table below

MAXIMUM OPERATING TEMPERATURE

-4°F(-20°C) to 250°F(121°C)

*Contains less than 0.25% lead content by weight on wetted surfaces.
 AB1953 and CSA Certified. Vermont 152S, Maryland House Bill HB.372, Senate Bill S.3874, and NSF-61 Annex G Compliant.

DESCRIPTION

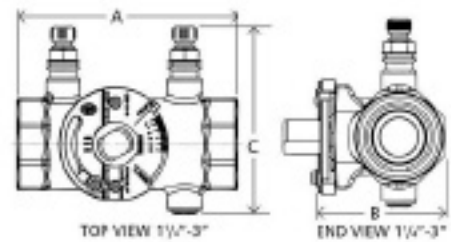
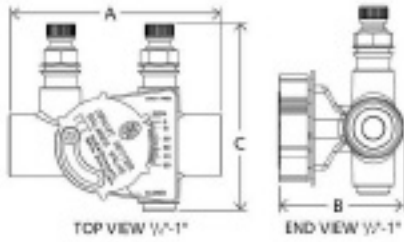
The Bell & Gossett CIRCUIT SETTER PLUS and CIRCUIT SETTER PLUS "RF" calibrated balance valves are a precision machined ball type triple purpose balancing instrument. They are precisely calibrated for use as a presettable balance valve, variable orifice flow meter and positive shut-off service valve. 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.

Maximum Pressure Limitations for 1/2"-2" With Solder Connections

Type Solder	Pressure PSI (KPa)	Temperature °F (°C)
95-5 Tin Antimony	300 (2068)	200 (93)
	250 (1724)	225 (107)
	200 (1379)	250 (121)

SCHEDULE

Model Number	Tagging Information	Quantity
RF-1/2S LF		
RF-3/4S LF		
CB-1/2S LF		
CB-3/4S LF		
CB-1S LF		
CB-1-1/4S LF		
CB-1-1/2S LF		
CB-2S LF		
CB-1/2 LF		
CB-3/4 LF		
CB-1 LF		
CB-1-1/4 LF		
CB-1-1/2 LF		
CB-2 LF		
CB-2-1/2 LF		
CB-3 LF		



DIMENSIONS AND WEIGHTS

Model Number	Size	Connection Type	Dimensions in Inches (MM)			Weight in lbs. (KG)
			A	B	C	
RF-1/2S LF	1/2"	Sweat	2.91 (73.9)	1.82 (46.2)	2.85 (72.4)	0.6 (0.27)
RF-3/4S LF	3/4"	Sweat	3.51 (89.2)	2.05 (52.1)	3.10 (78.7)	0.75 (0.34)
CB-1/2S LF	1/2"	Sweat	2.91 (73.9)	1.82 (46.2)	2.85 (72.4)	1 (0.45)
CB-3/4S LF	3/4"	Sweat	3.51 (89.2)	2.05 (52.1)	3.10 (78.7)	1.25 (0.45)
CB-1S LF	1"	Sweat	4.29 (109)	2.33 (59.2)	3.33 (84.6)	2 (0.9)
CB-1-1/4S LF	1-1/4"	Sweat	4.91 (124.7)	3.08 (78.2)	3.69 (93.7)	3.5 (1.6)
CB-1-1/2S LF	1-1/2"	Sweat	5.21 (132.3)	3.27 (83)	3.95 (100.2)	3.8 (1.7)
CB-2S LF	2"	Sweat	6.31 (160.3)	3.92 (97.4)	4.44 (112.8)	6.2 (2.8)
CB-1/2 LF	1/2"	NPT	2.94 (74.7)	1.98 (50.3)	3.02 (76.7)	1.25 (0.6)
CB-3/4 LF	3/4"	NPT	3.06 (77.7)	2.17 (55.1)	3.12 (79.2)	1.5 (0.7)
CB-1 LF	1"	NPT	3.91 (96.8)	2.47 (62.7)	3.42 (86.9)	2 (0.9)
CB-1-1/4 LF	1-1/4"	NPT	4.41 (112)	3.19 (81)	3.69 (93.7)	3.5 (1.6)
CB-1-1/2 LF	1-1/2"	NPT	4.42 (112.3)	3.37 (85.6)	3.95 (100.2)	3.8 (1.7)
CB-2 LF	2"	NPT	5.13 (130.3)	3.98 (101.1)	4.44 (112.8)	6.2 (2.8)
CB-2-1/2 LF	2-1/2"	NPT	6.00 (152.4)	4.51 (114.6)	4.83 (122.6)	9 (4.1)
CB-3 LF	3"	NPT	6.50 (165.1)	5.12 (130)	5.44 (138.2)	12 (5.4)



Xylem Inc.
 8200 N. Austin Avenue
 Morton Grove, IL 60053
 Tel: (847) 966-3700 Fax: (847) 965-8379
 www.xylem.com/bellgossett