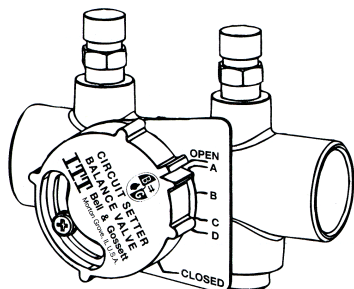


JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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Circuit Setter® "RF"

CALIBRATED BALANCE VALVES

For Low Flow Applications

DESCRIPTION

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

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

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

CONSTRUCTION

- Body: Bronze
- Ball: Brass
- Seat Rings: Glass and Carbon filled TFE
- Readout Valves: Brass with EPT check valve
- Stem "O" Ring: EPDM

MAXIMUM WORKING PRESSURE

Sweat Models: 200 psig*

MAXIMUM OPERATING TEMPERATURE

250°F*

*Subject to type of solder, reference Instruction Manual G95858.

TYPICAL SPECIFICATION

Furnish and install as shown on plans and with manufacturer's recommendations for Models of RF calibrated balance valves.

VALVE DESIGN AND CONSTRUCTION

All valves to be of bronze body/brass ball construction with glass and carbon filled TFE seat rings. Valves to have differential pressure read-out ports across valve seat area. Read-out ports to be fitted with internal EPT inserts and check valves. Valve bodies to have 1/4" NPT tapped drain/purge port. Valves to have memory stop feature to allow valve to be closed for service and then reopened to set point without disturbing balance position. All valves to have calibrated nameplates to assure specific valve settings. Valves shall be designed for positive shut-off.

DESIGN PRESSURE/TEMPERATURE

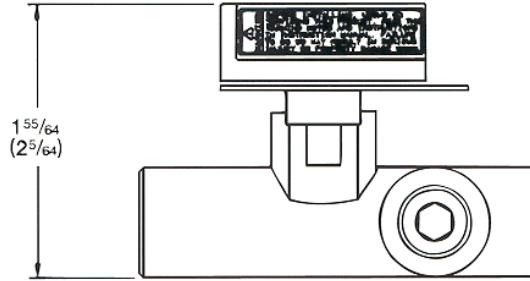
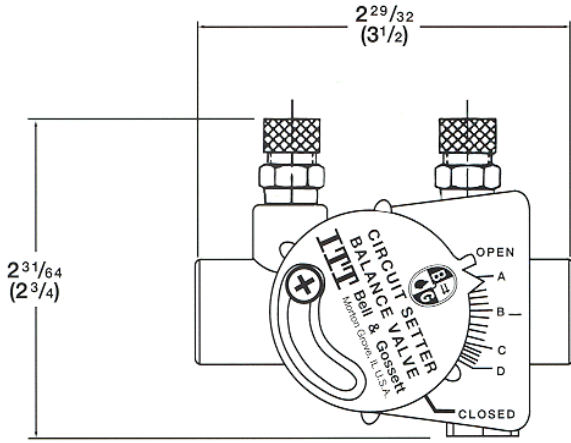
1/2" and 3/4" Sweat connections 200 psig at 250°F.

All balance valves to be ITT Bell and Gossett Model No. RF-_____.

IMPORTANT

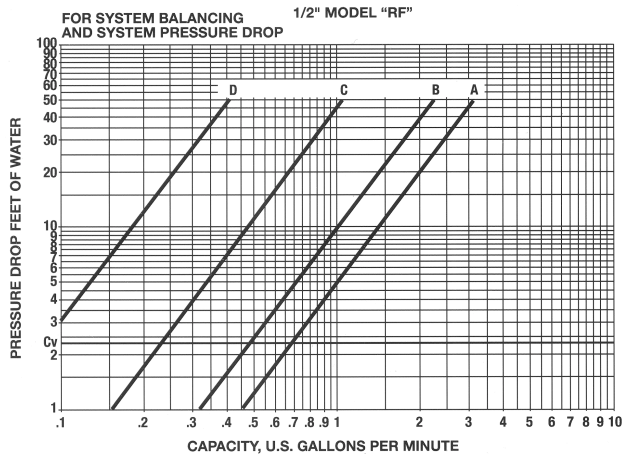
When monitoring system flow, care must be exercised to avoid direct skin or eye contact with liquids that may escape. Liquid temperatures in excess of 120°F may cause burns.

Bell & Gossett Circuit Setter Balance Valves are not recommended for use with meter connections pointing downward. Dirt can collect in the connections and foul up the readout valves and readout meters.

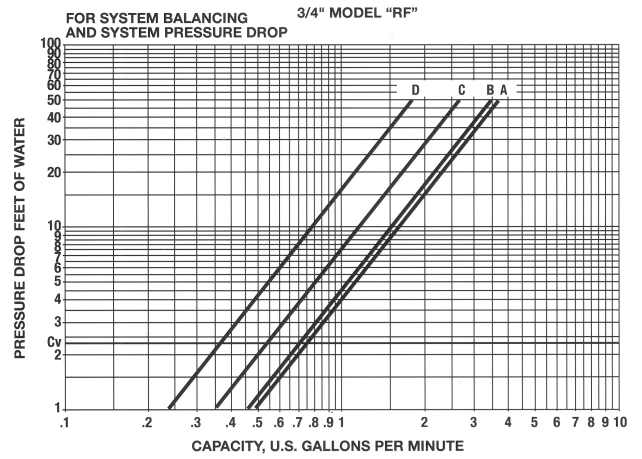


RF-1/2 & (RF-3/4)

PERFORMANCE CHARACTERISTIC CURVE



PERFORMANCE CHARACTERISTIC CURVE



SCHEDULE

Model No.	Part No.	Tagging Information	Quantity
RF-1/2S	117410		
RF-3/4S	117411		



Bell & Gossett

Bell & Gossett
 8200 N. Austin Avenue, Morton Grove, IL 60053
 Phone (847)966-3700
 Facsimile (847)966-9052
 www.bellgossett.com

