



Circuit Setter[®] "RF"

CALIBRATED BALANCE VALVE WITH STANDARD SWEAT CONNECTIONS

ACCURATE LOW FLOW CONTROL
IDEAL FOR APPLICATIONS REQUIRING LESS THAN 1 GPM

- PROPORTIONAL BALANCE
Permits rapid accurate system balance
- POSITIVE SHUT-OFF
For isolation and service
- MEMORY STOP
Allows complete shut-off and return to set position without readjustment
- READOUT VALVES
To facilitate differential pressure readings

Bell & Gossett



ITT Industries
Engineered for life

DESCRIPTION

The CIRCUIT SETTER Model RF calibrated balance valve is designed specifically for pre-set or proportional system balance for use with terminal and fan coil units. This system balance method, developed by B&G, assures optimum system flow balance at minimum pump operating horsepower. Terminal unit balance valves can be simply pre-set using the B&G Circuit Setter Model RF Curves and the system piping plan. With this procedure, system balance and start-up time is reduced dramatically. Pump impeller trim after system balance will reduce system horsepower and operating costs to minimum levels.

TYPICAL SPECIFICATION

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

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 to be leak-tight at full rated working pressure.

MODEL NO.	PART NO.	CONNECTION	OPERATING LIMITS*
RF-1/2S	117410	SWEAT	200 psig @ 250°F
RF-3/4S	117411		300 psig @ 200°F

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

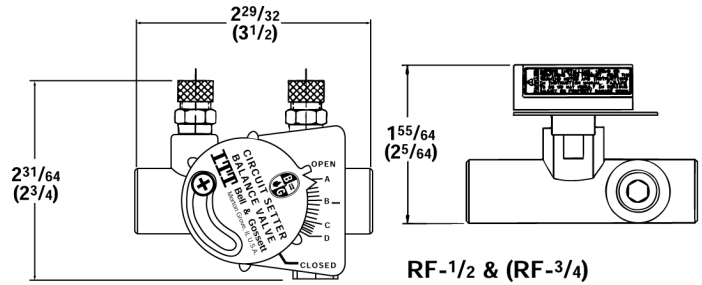
IMPORTANT

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

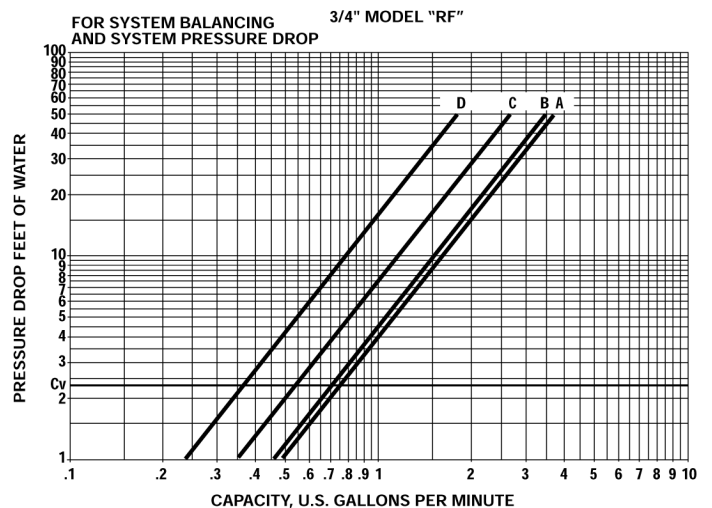
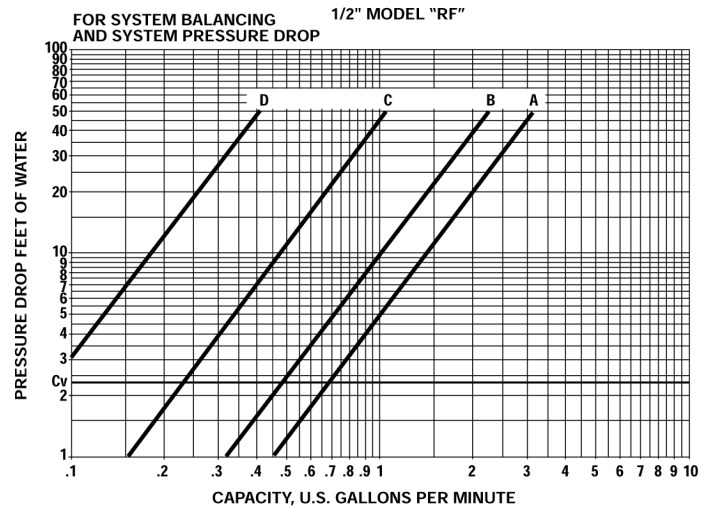
Bell & Gossett Circuit Setter Balance Valves are not recommended for use with meter connections pointing downward.



CALIBRATED BALANCE VALVES



PERFORMANCE CURVES



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