Calibrated Balance Valve Performance Curves
Sizes 1/2" Through 12"
NPT, Sweat, Flanged and Grooved Connections
Circuit Setter Calibrated Balance Valve

PERFORMANCE CHARACTERISTICS

Part No. 117414  Model No. CB-1/2

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

\( \Delta P \) FEET OF WATER

\( \Delta P \) METERS OF WATER

\( \text{FLOW IN GPM} \)

\( \text{CAPACITY: M}^3/\text{HR} \)
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117412    Model No. CB-1/2S

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117415    Model No. CB-3/4

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117413    Model No. CB-3/4S

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117416  Model No. CB-1
Part No. 117401  Model No. CB-15

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve

PERFORMANCE CHARACTERISTICS

Part No. 117103 Model No. CB-11/4
Part No. 117402 Model No. CB-11/4S

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117104   Model No. CB-11/2
Part No. 117403   Model No. CB-11/2S

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117105   Model No. CB-2
Part No. 117404   Model No. CB-2S

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117106    Model No. CB-2\(1/2\)
Part No. 117116    Model No. CB-2\(1/2\)F

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

**Cv**

ΔP FEET OF WATER

FLOW IN GPM

100

10

1

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

**Cv**

ΔP METERS OF WATER

CAPACITY: M³/HR

100

10

1

0.3C30

0.3

0.2
Circuit Setter Calibrated Balance Valve

PERFORMANCE CHARACTERISTICS

Part No. 117107  Model No. CB-3
Part No. 117117  Model No. CB-3F

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FLOW IN GPM

CAPACITY: M³/HR

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117035    Model No. CB-4

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

\[ \Delta P \text{ FEET OF WATER} \]
\[ Cv \]
\[ \text{FLOW IN GPM} \]

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

\[ \Delta P \text{ METERS OF WATER} \]
\[ Cv \]
\[ \text{CAPACITY: M}^3/\text{HR} \]

12
Circuit Setter Calibrated Balance Valve

PERFORMANCE CHARACTERISTICS

Part No. 117112 (Old Design)   Model No. CB-4F
Part No. 117118 (Old Design)   Model No. CB-4G
Part No. 117470 (New Design)   Model No. CB-4F
Part No. 117476 (New Design)   Model No. CB-4G

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

CAPACITY: M³/HR

∆P METERS OF WATER

∆P FEET OF WATER

Cv

70%
80%
90%
100%
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117113 (Old Design)       Model No. CB-5F
Part No. 117119 (Old Design)       Model No. CB-5G
Part No. 117471 (New Design)       Model No. CB-5F
Part No. 117477 (New Design)       Model No. CB-5G

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

CAPACITY: M³/HR

ΔP FEET OF WATER

ΔP METERS OF WATER

Cv

Part No. 117113 (Old Design)       Model No. CB-5F
Part No. 117119 (Old Design)       Model No. CB-5G
Part No. 117471 (New Design)       Model No. CB-5F
Part No. 117477 (New Design)       Model No. CB-5G

PERFORMANCE CHARACTERISTICS
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117114 (Old Design)  Model No. CB-6F
Part No. 117120 (Old Design)  Model No. CB-6G
Part No. 117472 (New Design)  Model No. CB-6F
Part No. 117478 (New Design)  Model No. CB-6G

FOR SYSTEM BALANCING AND SYSTEM PRESSURE DROP
Circuit Setter Calibrated Balance Valve

PERFORMANCE CHARACTERISTICS

Part No. 117115 (Old Design)    Model No. CB-8F
Part No. 117121 (Old Design)    Model No. CB-8G
Part No. 117473 (New Design)    Model No. CB-8F
Part No. 117479 (New Design)    Model No. CB-8G

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

Cv

\[ \Delta P \]

FEET OF WATER

METERS OF WATER

CAPACITY: M^3/HR

PERFORMANCE CHARACTERISTICS
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117420 (Old Design)       Model No. CB-10F
Part No. 117422 (Old Design)       Model No. CB-10G
Part No. 117474 (New Design)       Model No. CB-10F
Part No. 117480 (New Design)       Model No. CB-10G

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

\[ \Delta P \text{ FEET OF WATER} \]

\[ Cv \]

\[ \text{FLOW IN GPM} \]

\[ \text{FLOW IN M}^3/\text{HR} \]

\[ \Delta P \text{ METERS OF WATER} \]

Circuit Setter Calibrated Balance Valve

PERFORMANCE CHARACTERISTICS
Circuit Setter Calibrated Balance Valve
PERFORMANCE CHARACTERISTICS

Part No. 117421 (Old Design)  Model No. CB-12F
Part No. 117423 (Old Design)  Model No. CB-12G
Part No. 117475 (New Design)  Model No. CB-12F
Part No. 117481 (New Design)  Model No. CB-12G

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

FLOW IN GPM

FOR SYSTEM BALANCING
AND SYSTEM PRESSURE DROP

CAPACITY: M³/HR