

Circuit Setter®

Calibrated balance valve sizes 2½" thru 4"

SECTION 23 05 93

Testing, adjusting, and balancing for HVAC

Part 1 General

1.01 Section includes

- A. Unit shall be a Bell & Gossett® Circuit Setter® calibrated balance valve Model CB as manufactured by Xylem.
- B. Furnish calibrated balance valve with capabilities as indicated in the plans.

1.02 Related sections

- A. Section 23 08 00 – Commissioning of HVAC

1.03 References

- A. ANSI - American National Standards Institute.
- B. ISO - International Standards Organization.

1.04 Submittals

- A. Submit data cover sheet.
- B. Dimensional print(s).
- C. Sales bulletin.
- D. Installation, operation & maintenance manual.

1.05 Quality assurance

- A. The Valve manufacturer shall be fully certified by the International Standards Organization per ISO 9001.
- B. The manufacturer shall carry a minimum product liability insurance of \$5,000,000.00 per occurrence.

1.06 Maintenance material submittals

Part 2 Products

2.01 Manufacturers

- A. Subject to compliance with these specifications, the following manufacturers shall be acceptable:
 - 1. Calibrated Balance Valve
 - a. Xylem Inc. Bell & Gossett Circuit Setter calibrated balance valve Model CB
 - b. Pre-approved equal

2.02 Components (2½" – 4")

- A. Calibrated Balance Valve
 - 1. Valve body shall be constructed out of cast iron and rated for 175 PSIG working pressure.
 - 2. Valve shall include a ball valve constructed in brass.
 - 3. Valve body shall include two pressure/temperature ports.
 - 4. Valve body shall include an optional drain valve port.
 - 5. Valve shall utilize a calibrated nameplate with a memory stop.
 - 6. Valve shall utilize a reduced port design that provides velocity head recovery.
 - 7. Valve temperature range shall be from -4°F (-20°C) to 250°F (121°C).

2.02 Accessories

- A. Calibrated Balance Valve Accessories
 - 1. Extended Pressure/Temperature Ports
 - 2. Drain Valve/Extended Drain Valve

Part 3 Execution

3.01 Installation

- A. Install calibrated balance valve in accordance with manufacturer's instructions.
- B. Unit shall be a Bell & Gossett Circuit Setter calibrated balance valve Model CB as manufactured by Xylem.

End of section



Learn more about
Circuit Setter valves

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, Illinois 60053

Tel.: +1 847.966.3700
Fax: +1 847.966.9052
xylem.com/bellgossett

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BGBSCS-SP-10007 R3 8/25

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