1. 

**SPECIFICATIONS** Circuit Setter®

Calibrated Balance Valve

Sizes 2½” thru 4”

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SECTION 23 05 93

Testing, Adjusting, and Balancing for HVAC

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

# Unit shall be a Bell & Gossett® Circuit Setter® calibrated balance valve Model CB as manufactured by Xylem.

# Furnish calibrated balance valve with capabilities as indicated in the plans.

**1.02 RELATED SECTIONS**

1. Section 23 08 00 – Commissioning of HVAC

**1.03 REFERENCES**

1. ANSI - American National Standards Institute.
2. ISO - International Standards Organization.

**1.04 SUBMITTALS**

1. Submit data cover sheet.
2. Dimensional print(s).
3. Sales bulletin.
4. Installation, operation & maintenance manual.

**1.05 QUALITY ASSURANCE**

1. The Valve manufacturer shall be fully certified by the International Standards Organization per ISO 9001.

# 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**

# Subject to compliance with these specifications, the following manufacturers shall be acceptable:

1. Calibrated Balance Valve
   1. Xylem Inc. Bell & Gossett Circuit Setter calibrated balance valve Model CB
   2. Pre-approved equal

**2.02 COMPONENTS (2½” – 4”)**

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

**2.02 ACCESSORIES**

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

**PART 3 EXECUTION**

* 1. **INSTALLATION**

1. Install calibrated balance valve in accordance with manufacturer’s instructions.

# Unit shall be a Bell & Gossett Circuit Setter calibrated balance valve Model CB as manufactured by Xylem.

###### END OF SECTION



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