

**SPECIFICATIONS** Triple Duty Valve – Model 3DV

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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® Triple Duty® Valve, as manufactured by Xylem.

# Furnish Triple Duty Valve with capabilities as indicated in the plans.

**1.02 RELATED SECTIONS**

1. Section 23 01 70 – Operation & Maintenance of Central HVAC Equipment
2. Section 23 08 00 – Commissioning of HVAC
3. Section 23 05 23 – General Duty Valves for HVAC Piping
4. Section 23 20 00 – HVAC Piping and Pumps
5. Section 23 21 13 – Hydronic Piping
6. Section 23 21 16 – Hydronic Piping Specialties
7. Section 23 21 23 – Hydronic Pumps
8. Section 23 21 23.13 – In-Line Centrifugal Hydronic Pumps
9. Section 23 21 23.16 – Base-Mounted, Centrifugal Hydronic Pumps
10. Section 23 21 23.19 – Vertical-Mounted, Double-Suction Centrifugal Hydronic Pumps

**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 product 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. Triple Duty Valve
2. Xylem Inc. Bell & Gossett® Model 3DV-\_\_\_\_NMF or 3DV-\_\_\_\_RFF.
3. Pre-approved equal.

**2.02 COMPONENTS**

1. Triple Duty Valve
2. The valve shall be a straight pattern, non-adjustable design.
3. The valve shall be a calibrated ball valve design.
4. The valve shall have a MNPT threaded or rotatable flange inlet connection and a FNPT threaded outlet connection.
5. The valve shall include a spring-loaded check valve to prevent gravity circulation and backflow.
6. The valve shall have a calibrated nameplate with memory stop to allow the valve to be re-set to its balanced position after shut-off.
7. The valve shall be capable of complete shut-off under pressure.
8. The valve shall have an extended handle and extended pressure/temperature ports.
9. The valve body shall be made of brass.
10. The valve ball shall be made of chrome plated brass.
11. The check valve body shall be made of glass filled Noryl.
12. The check valve spring shall be made of stainless steel.
13. The check valve seals shall be EPDM rubber.
14. The valve shall be rated for 200 psi (1,378 kPa) maximum operating pressure.
15. The valve shall have a temperature range of -4°F (-20°C) to 250°F (120°C).

**2.03 ACCESSORIES**

1. Triple Duty Valve Accessories
2. Pressure/Temperature port.

**PART 3 EXECUTION**

* 1. **INSTALLATION**
1. Install Triple Duty Valve in accordance with manufacturer’s instructions.
2. Unit shall be a Bell & Gossett® Triple Duty® Valve Model 3DV-\_\_\_\_NMF or 3DV-\_\_\_\_RFF as manufactured by Xylem.

###### END OF SECTION



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