

Omni® T-27 Ball Valves

1.0 Scope:

All requirements are for PVC & CPVC, Omni® T-27 Ball Valves and accessories.

2.0 Materials:

U-PVC – Conforming to ASTM D1784 Cell Classification 12454 A

CPVC – Conforming to ASTM D1784 Cell Classification 23567A

EPDM – Ethylene Propylene Diene Terpolymer Rubber

PTFE - Polytetrafluoroethylene

3.0 Valves:

Omni® T-27 ball valves shall be PVC or CPVC body with EPDM seals and PTFE seats. Valves shall be 1 piece construction, have 2-way blocking capability, and have elastomeric backing cushions behind the PTFE seats for low stem torque, and to compensate for wear. End connections shall be either Socket or Threaded. Valve stems shall feature 2 stem O-rings. Valves shall accept the installation of a molded ISO top mounting flange for actuation mounting.

3.1 Operators

3/8" – 2" (Lever Type standard)

Lever Handle to be Asahi Standard valve handle Red color.

3.2 Approved Manufacturer

Valves shall be provided by Asahi/America, Inc. of Lawrence, MA with no approved equals.

Manufacturer must be ISO-9001 certified.

3.3 Pressure Vs. Temperature

Valves shall have a pressure rating of: 150 psi at 70° F all sizes

4.0 Accessories:

4.1 Actuation

Actuation where required should be designed, built and provided by Asahi/America, Inc., and be electric (Series 83) type. All actuation accessories to be provided and installed by Asahi/America, Inc. in accordance with manufacturer's requirements.

5.0 Certifications:

5.1 NSF-61

PVC/EPDM models shall have NSF-61 Certification for use in drinking water applications.

6.0 installation Procedures:

All valve joints shall be prepared using the preferred joining method for the valve material and installation type in accordance with all requirements put forth in the Omni Ball Valve Operation & Maintenance manual. All accessories should be installed in accordance with the manufacturer's requirements as well as any facility requirements.