

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

Specifier Notes: Specify Zurn Elkay Water Solutions

- A. [Zurn Elkay Water Solutions, 1747 Commerce Way, Paso Robles, CA 93446. Toll Free (855) 663-9876.] Website: [www.zurn.com](http://www.zurn.com)

### 2.2 WATER PRESSURE-REDUCING VALVES

- A. Water Pressure Regulators



1. Basis-of-Design Product: Subject to compliance with requirements, provide Zurn Elkay Water Solutions; Wilkins; [**Model 500XL3 (Lead-Free)**] or comparable product by one of the following:
  - a. <Insert manufacturer's name>
  - b. <Insert manufacturer's name>
  - c. <Insert manufacturer's name>
2. Standard: ASSE 1003.
3. Pressure Rating: Initial working pressure of 400 PSIG (2758 kPa).
4. Size: NPS 1 to NPS 4 (DN 25 to DN 100).
5. End Connections: Threaded.
6. Materials
  - a. Body: Low lead cast bronze ASTM B806
  - b. Bell Housing: Low lead cast bronze ASTM B806  
Cast bronze ASTM B584 (2-1/2" - 4")
  - c. Fasteners: Stainless-Steel, 300 Series
  - d. Stem: Stainless-Steel, 300 Series
  - e. Plunger: Stainless-Steel, 300 Series  
Low lead cast bronze ASTM B806 (2-1/2" - 4")
  - f. Elastomers: Buna Nitrile (FDA approved)  
EPDM (FDA Approved)
  - g. Springs: Stainless-Steel, 300 Series  
Chrome Silicon, Epoxy Coated (2-1/2" - 4")
  - h. Cartridge: Noryl™
7. Design Inlet Pressure: 25 PSIG - 400 PSIG (172 kPa - 2758 kPa)
8. Design Outlet Pressure Setting: 15 – 75 PSI (103 kPa – 517 kPa)
9. Design Flow Rate: 8 ft/sec. flow velocity.
  - a. 1" – 3" Maintains 5 PSI, or less, fall-off between 0.01 ft/sec. & 8 ft/sec. flow velocity
  - b. 4" - Maintains 10 PSI, or less, fall-off between 0.01 ft/sec. & 8 ft/sec. flow velocity
10. Valves for Booster Heater Water Supply: Include integral thermal bypass.
11. Standard Feature Options:
  - a. Dynamic-pressure sensing Venturi technology.
  - b. Corrosion resistant Stainless-Steel stem.
  - c. Stainless-Steel adjustment bolt and jam nut.
  - d. Tapped and plugged for integral low-flow bypass (2-1/2" – 4" Flanged only)
  - e. Tapped and plugged for pressure measurement instrumentation.