

## PERFORMANCE SPECIFICATIONS

1. General specifications
  - 1.1. Valve internal flow measurement piece for 1/2"–2" size QuickSets and Metering Stations shall be a brass venturi machined to attain  $\pm 1\%$ . QuickSet ball shall have a parabolic shaped optimizer insert to make valve setting simple and quick.
  - 1.2. Valve internal flow measurement piece for 2-1/2"–18" size QuickSets is precisely machined to attain  $\pm 1\%$  accuracy throughout its range.
2. Body styles
  - 2.1. 1/2"-2" Valves
    - 2.1.1. QuickSet valves and Metering Stations shall have ASTM brass alloy housing, rated at no less than 400PSI/250°F. QuickSet valves shall include an isolation ball valve with equal percentage port and memory stop, a venturi measurement piece, dual pressure/temperature test valves for signal reading, and a union end which will accept various end pieces.
    - 2.1.2. The valve shall come fully assembled and be permanently marked to show direction of flow.
    - 2.1.3. Valve shall have a body tag to indicate model number and a hanging tag showing Cv and signal reading required for specific flow rate.
  - 2.2. 2-1/2"–18" Valves
    - 2.2.1. Flanged QuickSet valves shall consist of a carbon steel SA-53 Grade B valve, with a carbon steel low loss venturi and a butterfly valve outlet; rated for 250PSI/230°F.
      - 2.2.1.1. Valve shall be mechanically compatible with ANSI B16.5-1968 150lb steel flanges.
      - 2.2.1.2. Valve shall be supplied with dual pressure/temperature test valves for signal reading.
    - 2.2.2. Grooved End QuickSet valves shall consist of a carbon steel SA-53 Grade B valve, with a carbon steel low loss venture and a butterfly valve outlet with grooved connections; rated for 250PSI/230°F.
      - 2.2.2.1. Valve shall be supplied with dual pressure/temperature test valves for signal reading.
    - 2.2.3. Weld End QuickSet valves shall consist of a carbon steel SA-53 Grade B valve, with a carbon steel low loss venture and a butterfly valve outlet and beveled connections for welding; rated for 250PSI/230°F.
      - 2.2.3.1. Valve shall be supplied with dual pressure/temperature test valves for signal reading.