

MP Compact Ball Valves

Sample Specification



1.0 Ball Valves - MP

1.1 Material

- The valve body and ball shall be made of PVC compound which shall meet or exceed the requirements of cell classification 12454 according to ASTM D1784.
- These compounds shall comply with NSF Standard 14/61 for potable water.

1.2 Seats

- The ball seats shall be made of Teflon® (PTFE) which shall comply with NSF Standard 14/61 for potable water.

1.3 Seals

- The o-ring seals shall be made of EPDM which shall comply with NSF Standard 14/61 for potable water.

- 1.4 All other wetted and non-wetted parts of the valves shall comply with NSF Standard 14/61 for potable water.

2.0 Connections

2.1 Socket style

- The IPS socket PVC end connections shall conform to the dimensional standards ASTM D2466 and ASTM D2467.

2.2 Threaded style

- The female NPT threaded PVC end connections shall conform to the dimensional standards ASTM D2464, ASTM F1498, and ANSI B1.20.1.

3.0 Design Features

- The valve shall be composed of a one piece PVC body.
- The end connections shall be an integral part of the body.
- All sizes shall allow for bi-directional flow.

3.1 Pressure Rating

- All sizes shall be rated at 150 psi at 73°F (non-shock).

3.2 Markings

- All valves shall be marked to indicate size, material designation, and manufacturers name or trade mark.

3.3 Color Coding

- All PVC Schedule 40 valves shall be color-coded white.
- All PVC Schedule 80 valves shall be color-coded dark gray.

- 4.0 All valves shall be Xirtec® 140 by IPEX or approved equal.