DV Series Diaphragm Valves

Sample Specification

1.0 Diaphragm Valves - DV

1.1 Material

- The valve body shall be made of PVC compound which shall meet or exceed the requirements of cell classification 12454 according to ASTM D1784.
- This compound shall comply with standards that are equivalent to NSF Standard 61 for potable water.

1.2 Diaphragm

- The diaphragm shall be made of EPDM which shall comply with standards that are equivalent to NSF Standard 61 for potable water.

or The diaphragm shall be made of Teflon® (PTFE) which shall comply with standards that are equivalent to NSF Standard 61 for potable water.

2.0 Connections

2.1 Flanged style

- The ANSI 150 flanged PVC end connections shall conform to the dimensional standard ANSI B16.5.

3.0 Design Features

- All valves shall have integrally molded flanged ends.
- All valves shall have a clear position indicator.
- All valves shall have an adjustable travel stop.
- All valves shall have face-to-face dimensions to the industry standard.
- The valve shall have no wetted metal parts.
- Service of the valve shall be possible without removal from the system line.

3.1 Pressure Rating

- Valve sizes 1/2" through 3" shall be rated at 150 psi at 73°F.
- Valve sizes 4" through 6" shall be rated at 75 psi at 73°F.

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 valves shall be color-coded dark gray.
- All hand wheels shall be color-coded red.

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

< **STANDARDS** >

ASTM D1784

ANSI B16.5

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