

VA Series Air Release Valves

Sample Specification

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1.0 Air Release Valves – VA

1.1 Material

- The valve body, piston, end connectors, and union shall be made of PVC compound which shall meet or exceed the requirements of cell classification 12454 according to ASTM D1784.

1.2 Seals

- The o-ring seals shall be made of EPDM.
- or The o-ring seals shall be made of FPM.

2.0 Connections

2.1 Threaded style

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

3.0 Design Features

- The valve shall be of single union design.
- The valve sealing mechanism shall be a hollow piston.
- Opening and closing of the valve shall not be affected by pressure.
- The valve shall close when liquid is in contact with the piston.
- The valve shall open when air or gas is in contact with the piston.
- The valve shall also function as a vacuum breaker.
- The valve body and union nut shall have deep square style threads for increased strength.

3.1 Pressure Rating

- All valves shall be rated at 232 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.

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

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- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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