

Autoclave Engineers (AE) High-pressure Fittings and Valves

While Autoclave valves, fittings and tubing are known industry wide for their ability to operate at pressures in excess of 100000 PSI (6895 Bar), a low-pressure line for applications rated to 15000 PSI (1034 Bar) is also available. Utilising single ferrule compression sleeves which provide easy, leak-free performance, the connection sizes come in 1/16 to 1/2 inches.

Low-pressure Valves, Fittings and Tubing

All Autoclave low-pressure valves incorporate a rising stem/block design while the non-rotating feature of the stem prevents galling.

In addition, the valves are designed with metal-to-metal seating for bubble tight shut-off, long stem/seat life even in abrasive flow conditions and excellent overall corrosion resistance.

Three styles of low pressure valves are offered. The 10V, SW and MVE/MV series.

Pattern options

- 2-Way Straight
- 2-Way Angle
- 3-Way/2 on Pressure
- 3-Way/1 on Pressure
- 2-Way Angle with Replaceable Seat (not available in MVE/MV)
- 3-Way/2 Stem Manifold

Three different stem types are available. A vee stem is chosen when the application calls for direct on-off, metal-to-metal shut-off with fast opening capabilities. If an application calls for tighter flow control, AE offer a non-rotating regulating stem. For the most precise flow control, Autoclave recommends a micro metering stem design. A complete line of tubing and fittings, as well as special items are available, providing all components required for our low-pressure line. Autoclave components are offered in 316SS standard, but can be ordered in a variety of optional materials such as: Hastelloy B and C, Inconel, Monel, Nickel or Titanium.