

JORLON

The Last Diaphragm You Will Ever Need

For the vast majority of applications, JORLON is the right choice!

Easily Retrofitted, With No Additional Parts

For regulators purchased after 1991 only the diaphragm needs to be changed to retrofit either SST or elastomer diaphragms.

Chemical Compatibility

JORLON is PTFE based, so it is compatible with most media except fluorinated gases and halogenated fluorocarbons.

High Pressure Limits

In our MK60 HP, we have pressure tested JORLON diaphragm in excess of the maximum allowable pressures of the valve. In smaller MK60s 2" (DN50) and below, it is fully rated to ANSI 300 Class pressure of 720 psi (50 bar) @ 100°F (38°C). Using JORLON in the unique design of the Sliding Gate regulator gives outstanding performance.

Improved Droop Performance

A metal diaphragm is much more rigid than an elastomer diaphragm, which decreases sensitivity and diminishes performance and accuracy in a self operated regulator. JORLON will improve droop performance when used instead of a SST diaphragm as its properties are more similar to those of elastomer materials.

Less Expensive

JORLON is less expensive than nearly every other elastomer in the smaller sizes, and Viton in the larger sizes.

High Steam Pressure Capability

Extensive steam testing of JORLON in our MK60 pressure regulators has enabled us to qualify this material for high pressure steam service. For MK60s sized 2" (DN50) and below, we encourage you to install JORLON in saturated steam service up to 405 psi (28 bar) @ 450°F (232°C). For steam service in larger MK60s, we have tested and qualified the JORLON to 125 psi (8.6 bar) saturated steam. What does this mean? For low-to-medium pressure steam lines, there is no need to go to a piloted MK67. The 125 psi (8.6 bar) rating is in excess of the highest setpoint available in the larger MK60s and covers many applications for general steam service.

Fast Delivery

Rely on our Jordan Valve Express with JORLON as the diaphragm material.

Extremely Long Life

We simply have not been able to get this material to fail. We have tested on air, high-pressure steam, and low-pressure steam. Our harshest test involved full stroke cycle test done at 450°F (232°C) steam. SST diaphragms failed on average at 776 cycles but, JORLON continued without a failure. We finally stopped this test at over 125,000 full stroke cycles! When tested under 300 psi air, JORLON was still going strong after far exceeding 1,000,000 full stroke cycles while the SST failed on average at 13,000 cycles. Regardless of whether it's installed in steam service, non-compressible liquid service or high cycle gas applications, JORLON is the right choice.

Lower cost of Ownership

JORLON improves droop and increases accuracy, improving efficient productivity. With JORLON you can use 2-1/2" - 4" regulators for steam service without the use of a pilot valve. With JORLON, we can offer non-piloted regulators in steam up to 260 psi inlet and up to 100 psi outlet. This results in savings on purchases and maintenance.

Reliability

We've sold tens of thousands of JORLON diaphragms into a variety of services across a range of valve types, and have had NO RETURNS for repair. Your costs for labor repair, production, and spare parts will reduce dramatically, especially when using Jordan Valve regulators which already last much longer than those of our competitors.



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