

All Around Performance

The all-new diaphragm valve from Alfa Laval





To
create
a better
valve,

we
took
a wider
view

All Around Performance

Unique Diaphragm Valve-Premium is an all new diaphragm valve that delivers an all-around performance improvement. To give our customers more, we looked at the big picture to capture the challenges in the industry. We challenged the traditional thinking. The result is a valve that simply works better – with a naturally safer and more reliable design, and backed by our worldwide support for complete peace of mind.



It takes more than just the valve

We think true reliability goes beyond the product itself, in fact, we see our world-class support as an integral component. Whatever your process, and wherever you are, we are always on hand to keep you running smoothly – and profitably. It's all part of All Around Performance.



All Around Performance

Lower costs

Unique Diaphragm Valve-Premium minimizes cost of ownership. The new weir design helps to cut energy costs, as the higher flow rate and lower pressure drop allows the use of smaller feed pumps. Installation costs are also lower due to the possibility to use smaller pumps, valves and piping. Further savings are achieved thanks to the extended lifetime of the diaphragm, which results in longer service intervals as well as reduced assembly time.



Superior hygiene

This valve is designed from the ground up with hygiene in mind. Every design feature supports it. The interior features smooth, curved surfaces free from crevices, pockets and corners, ensuring optimal cleanability. The outer surface is also free from threads or other difficult to clean areas.



Broad range

Alfa Laval offers a comprehensive selection of hygienic diaphragm valves that meets the requirements of most sterile and ultra-hygienic processes. Compact, lightweight and modular in design, they enable a wide range of configurations. We are the only supplier to offer standard-weir, radial and premium diaphragm valves. To see the full portfolio, go to www.alfalaval.com/biopharm.



Full automation

Unique Diaphragm Valve-Premium is designed for simple and reliable automation. We offer a complete automation package to cover requirements at every level – from simple indication units to advanced control units. Installation and set-up is easy, and maximum uptime is assured.



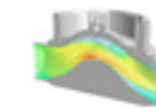
Safe and easy to service

We wanted installation and service to be quicker, easier and safer. To achieve this, we developed a single-thread tightening mechanism. Uniform compression is assured for safer operation and extended diaphragm lifetime. The mechanism's built-in click and positioning system secures correct fastening every time. Assembly is faster and easier with just one thread – you no longer have four bolts to cross-tighten and retighten – and the risk of error is eliminated.



Optimized flow

To optimize flow, we rethought the valve's weir design. The new design gives double the flow rate compared to conventional designs, with significantly reduced pressure drop and turbulence. It also gives more linear flow, which results in more precise flow regulation.



Comprehensive documentation package

Alfa Laval Q-doc helps ensure a smooth qualification and validation process, and provides long-term peace of mind. With full transparency of sourcing, production and supply chains, it is easy to trace even the slightest change in material or manufacturing procedures – even for spare parts. Full traceability of all product contact parts ensures a perfect match every time and prevents potential oversights that could necessitate revalidation.



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineering solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval

Contact details for all countries are continually updated on our web site. Please visit www.alfalaval.com to access the information.



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www.alfalaval.com/dvp

