



Diaphragm Seals



Rubber diaphragm seals offer an ideal sealing solution where an accurate, consistent response is required for changes in hydraulic or pneumatic pressures with zero leakage, low friction, and no lubrication. Manufactured in a range of materials with industry specific approvals, our diaphragms can be used in applications across many different markets including oil & gas, process control, potable water management, LPG & natural gas, life sciences and food & beverage.



Accurate control, zero leakage and no lubrication required.



Re-inforced diaphragm materials capable of withstanding high pressure applications.



Extensive range of material combinations for manufacture.



Complete seal design service from experienced application engineers.



Why use diaphragms?

In valves, actuators, pumps, pressure & flow control, pressure switches/sensors, dispensing, metering, ventilation, and media separation applications - diaphragms can provide excellent sealing results.

Valves and actuators controlling the flow of liquids or gases frequently utilise diaphragms for fast responses to small pressure changes with excellent hysteresis performance.

The sensitivity to signal pressure changes gives reliable valve positioning (with very low hysteresis) and successful sealing in large diameter, high pressure and long stroke applications can all be achieved with the right design.

With a wide selection of materials (including elastomers, fabric reinforced and thermoplastics) our range of diaphragms are an excellent seal of choice for a variety of hydraulic and pneumatic applications.

With varied manufacturing options, we produce diaphragms up to 46" diameter, and our specialist profiles include convoluted, dished and "top hat" designs in both single acting and double acting formats.



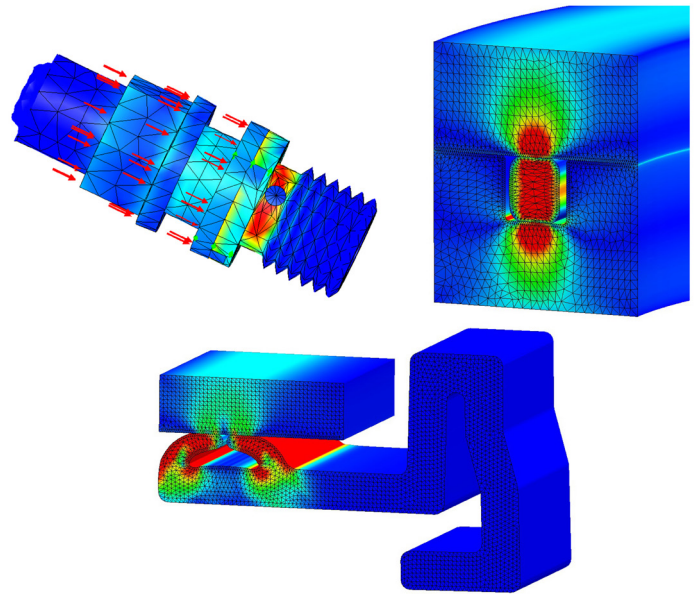
Design & Development

We provide unrivalled technical and engineering support to ensure our customers benefit from the best possible seal performance at optimum cost.

We are dedicated to providing a complete design service; from initial seal geometry and profile choice, to material selection and prototyping, through to final production.

We work closely with your engineers to provide the most effective sealing solutions for each bespoke application.

Our Application Engineers utilise years of seal design experience and materials expertise, alongside technology such as 2D/3D CAD and FEA analysis programs to simulate performance before finalising each individual seal design.

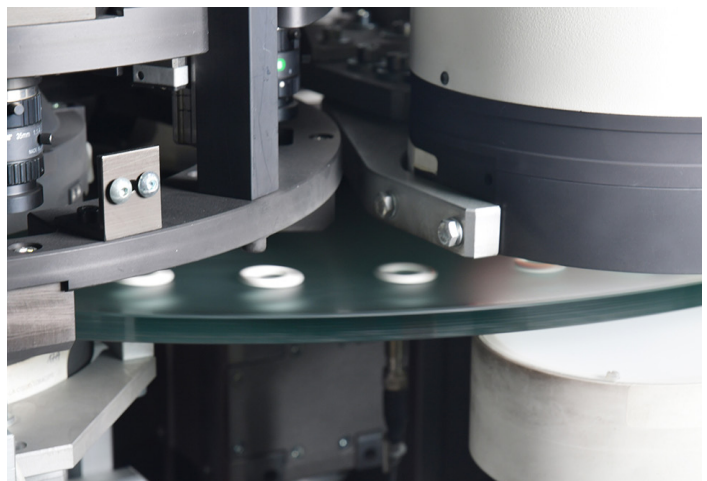


Quality Assurance

We maintain strict quality procedures at all stages of our design, development and manufacture processes. We are ISO9001:2015, ISO13485:2016 and ISO14001:2015 approved, and our manufacturing facilities approved to IATF16949:2016.

Our stringent quality principles and proactive controls mean our customers have reduced claims (and associated costs), increased change control, and prevention of productivity loss and line-stops.

With our manufacturing facilities we develop continuous improvements to processes such as follow up-audits, implementation of adequate prevention measures, analysis and review of similar products to prevent future issues, effective root cause analysis and preventative actions review.



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