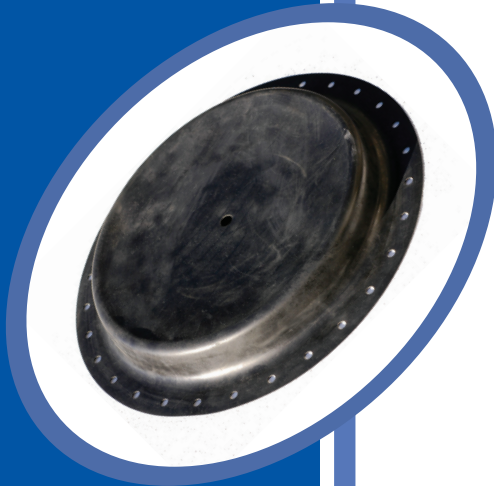


## Diaphragms



## DIAPHRAGM SEALS

Diaphragm seals are an ideal solution where accurate, consistent response is required for changes in hydraulic or pneumatic pressures, maintaining zero leakage, and offering almost zero friction without the need for lubrication.

Used in many industries including automotive, aerospace, medical, instrumentation and process control industries, they offer an inexpensive solution to design problems.

In most instances, our moulded diaphragms are designed specifically to meet the requirements of a particular application, and our experienced technical engineers are on hand to discuss and design a specific sealing solution.

Working in partnership with RPP Corp, one of the worlds leading manufacturers in fabric reinforced diaphragm seals, we can offer a range of elastomer compounds including NBR, EPDM, neoprene, epichlorohydrin, silicone, fluorosilicone and fluorocarbon, as well as polyester, nylon, high temperature nylon and silk fabric reinforcements.

In addition to our range of fabric reinforced diaphragm seals, we can also offer an extensive range of plastic and rubber moulded diaphragms.

Benefits to customer:-

- Zero leakage
- Accurate control
- Zero friction with no breakaway
- No lubrication required
- Custom designed
- Extensive range of materials



The table below is a guide to moulded diaphragm styles.

SEAL CHARACTERISTICS		ROLLING	CONVOLUTED	PRE-FORMED CONVOLUTED	DOUBLE-ACTING
STROKE	Single Acting	●	●	●	
	Double Acting				●
STROKE LENGTH	Long	●			
	Limited		●	●	●
EFFECTIVE AREA	Constant	●	●	●	
	Variable				●
INSTALLATION	Set In Place		●	●	●
	Form In Place	●			
ELASTOMER	Single Coat	●	●	●	
	Double Coat		●	●	●
SPRING RATE	None	●			
	Small Effect		●	●	●
FLANGE	Flat	●	●	●	●
	Beaded	●	●	●	

Our experienced application engineers are available to provide practical assistance and technical input, to accurately design a diaphragm seal for your application.



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