

Fabric Reinforced Diaphragms

Durable, Flexible, and Fluid Resistant



Longer Life Cycles

To meet customer needs, Parker CSS division expanded our product offerings to include fabric reinforced diaphragms. These new products feature: state of the art fabrics, extended life cycles, longer stroke, and increased tensile strength. Our diaphragms can be found in a variety of hydraulic and pneumatic systems like valves and flow meters. With increasing temperature ranges and more aggressive media, our diaphragms are continuously changing to meet these challenges.



Contact Information:

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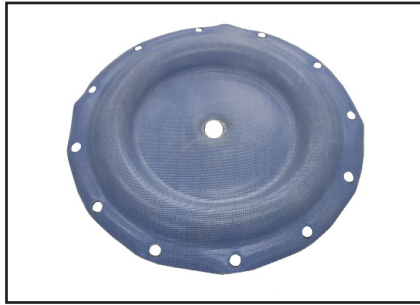
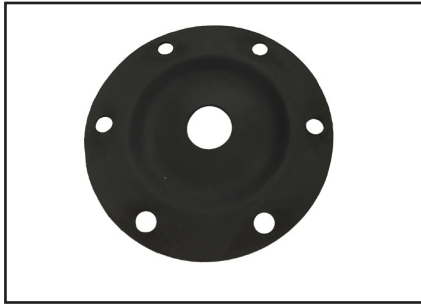
www.parker.com/css

Product Features:

- Anti-Wicking
- Longer Stroke capability
- Fluid resistance
- Increased tensile strength
- Increased abrasion resistance
- Low Hysteresis
- Pressure load able on both sides
- Customizable elastomer & fabric combinations
- Parker elastomer materials
- Broad selection of compatible fabric



ENGINEERING YOUR SUCCESS.



Design

- Customizable shapes and sizes
- Multiple material combinations

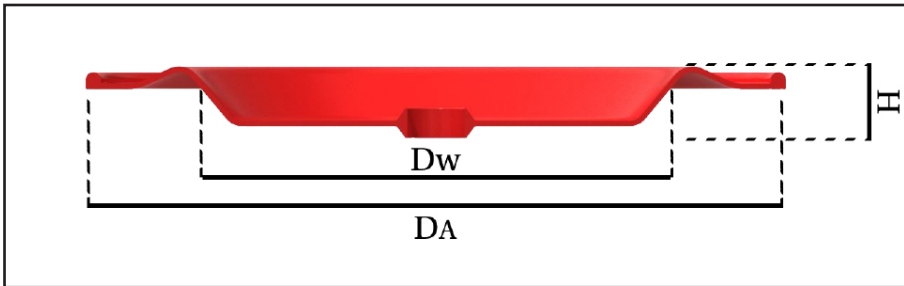
Function/ Application

- Pumps
- Regulators
- Control valves
- Measurement units
- Actuators

Fabrics

- Polyester
- Nylon

Wide variety of benefits including Electrical Insulation, Tensile Strength, resistance to aging



Construction & Dimensions

H = Diaphragm Height

DA = Outer Diameter Diaphragm

Dw = Effective Diameter

Fabric	Electrical Insulation Properties	Elongation	Tensile Strength	Aging	Flammability	Heat Degradation	Ignition Temp	Melting Point
Polyester	◆◆◆	Medium	◆◆	◆◆	◆	◆◆◆◆	1040(F°) 560(C°)	480(F°) 249(C°)
Nylon	◆◆◆	Medium	◆◆◆◆	◆◆	◆	◆◆◆	989(F°) 532(C°)	480(F°) 249(C°)

