

Pure-Fuse Diaphragms



Where Innovation Flows

WILDEN®

KEEP IT CLEAN AND ENHANCE YOUR PERFORMANCE WITH PURE-FUSE DIAPHRAGMS

Wilden® Pure-Fuse Diaphragms provide superior cleanability and higher performance when compared to other integral piston diaphragm options.

This patented diaphragm technology offers a one-piece design that eliminates trap areas between the outer piston and the diaphragm where bacteria can grow. This design eliminates the normal abrasive wear caused by the outer piston in a conventional configuration, resulting in a longer lasting diaphragm. Pure-Fuse also offers superior flow and suction lift over competitor IPDs.

Keep it clean today by contacting your authorized Wilden distributor and asking for the Wilden Pure-Fuse for high purity and high performance.

FEATURES AND BENEFITS

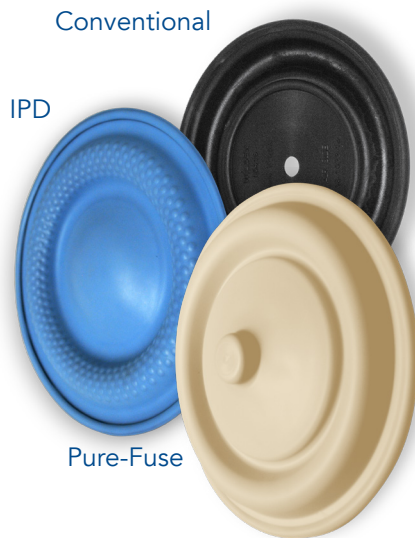
- Up to 100% increased flow and suction lift compared to PTFE laminate diaphragms
- Up to 50% price reduction compared to PTFE laminate diaphragms
- No adhesive used in the diaphragm construction unlike competitive one-piece diaphragms
- Size availability: 25 mm (1"), 38 mm (1-1/2"), 51 mm (2"), 76 mm (3")
- Temperature range: - Wil-Flex™: -40°C to 107°C (-40°F to 225°F) - Saniflex™: -29°C to 104°C (-20°F to 220°F)
- Sanitary Wil-Flex material meets FDA CFR 21.177, EHEDG and 3A requirements



* Only applicable for Saniflex

WILDEN® PURE-FUSE DIAPHRAGMS FOR HIGH PURITY AND HIGH PERFORMANCE APPLICATIONS

Achieve superior flow rates and increase production output by improving product displacement per stroke and suction lift when compared to competitive diaphragms. The Wilden Pure-Fuse diaphragm is constructed from food-grade Wil-Flex or Saniflex and engineered for extreme durability, ease of maintenance and maximized Mean Time Between Repair (MTBR).



CONVENTIONAL DIAPHRAGMS

- Trap area where bacteria can grow
- Outer piston that causes diaphragm abrasions – a major cause of diaphragm failure

SHORT-STROKE INTEGRAL PISTON DIAPHRAGMS (IPD)

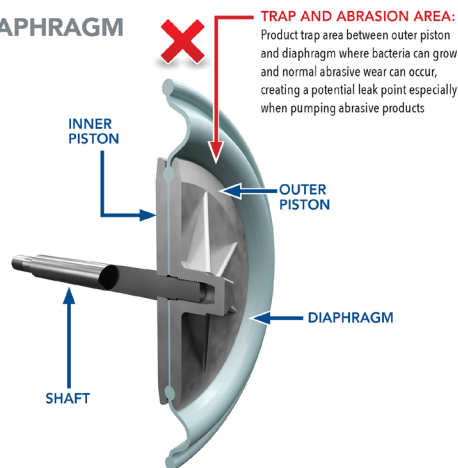
- Relies on non-compliant adhesives for bonding of components
- Only available with short shaft – meaning reduced performance

PURE-FUSE DIAPHRAGMS

- Smooth surface for fast, easy cleaning
- One-piece design with no outer piston to cause abrasions

STANDARD DIAPHRAGM

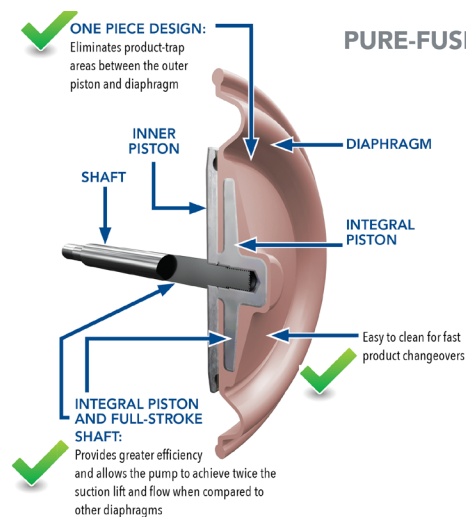
GOOD
★★★★☆



ONE PIECE DESIGN:
Eliminates product-trap areas between the outer piston and diaphragm

PURE-FUSE DIAPHRAGM

BEST
★★★★★



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