

Chem-Fuse Diaphragms



Where Innovation Flows

WILDEN®

CHEM-FUSE: UPGRADE WITHOUT COMPROMISE

Introducing Wilden® Chem-Fuse diaphragms now available for industrial markets. These integral piston diaphragms (IPDs) solve many of the critical issues faced by industrial companies that use conventional diaphragms while incorporating the core patented technology of Wilden Pure-Fuse diaphragms. Benefits include:

- Elimination of a potential leak point at the outer piston when pumping critical or dangerous fluids
- Elimination of outer piston abrasion for longer diaphragm life, especially when pumping abrasive fluids
- Easy cleanability for faster changeovers between product

FEATURES AND BENEFITS

- Up to 100% increased flow and suction lift compared to other reduced-stroke IPD diaphragms
- Size availability: 25 mm (1"), 38 mm (1-1/2"), 51 mm (2"), 76 mm (3"), 102 mm (4")
- Available in Wil-Flex™ and non-food grade Saniflex™ material
- Temperature range for Wil-Flex: from -40°C to 107°C (-40°F to 225°F)
- Temperature range for Saniflex: from -29°C to 104°C (-20°F to 220°F)
- Available for Pro-Flo® SHIFT and Pro-Flo® bolted-metal and plastic models
- High-pressure Chem-Fuse diaphragm available for Wilden H800 pump

Previous IPDs solve many of the issues faced in the market, but in order to solve these issues the diaphragm's performance is sacrificed. Chem-Fuse diaphragms provide all the benefits of a typical IPD without sacrificing performance.



UPGRADE WITHOUT COMPROMISE TO WILDEN® CHEM-FUSE DIAPHRAGMS

Chem-Fuse diaphragms are the ideal solution for general industrial and chemical applications and are available in Wil-Flex™ and non-food grade Saniflex™ material. The diaphragms feature a wide range of temperature limits, excellent flex life, high abrasion resistance and outstanding durability, even when handling acids, caustics and other aggressive fluids.

CONVENTIONAL DIAPHRAGMS

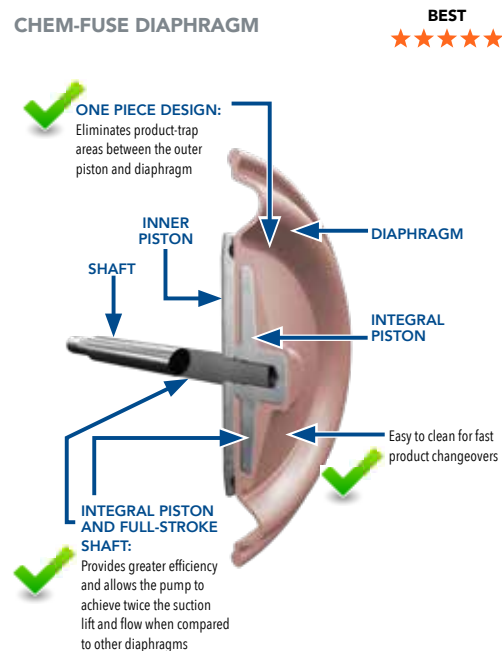
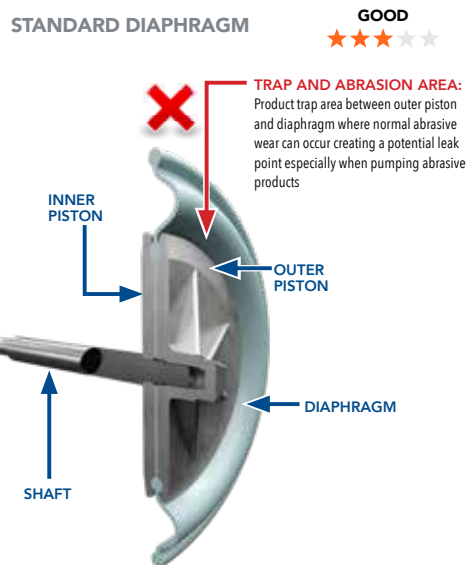
- Outer piston that causes diaphragm abrasions
- Increased rate of diaphragm failure

SHORT-STROKE INTEGRAL PISTON DIAPHRAGMS (IPD)

- Only available in short shaft
- Reduced performance: up to 50% reduction in flow and suction lift

CHEM-FUSE DIAPHRAGMS

- No outer piston to cause abrasions
- Elimination of leak point when pumping critical or dangerous fluids
- Easy cleanability
- Superior flow rates and increased production



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