

# 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")
- 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

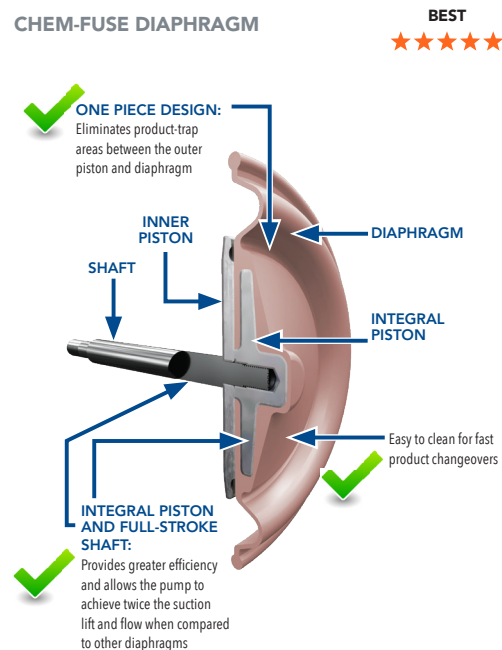
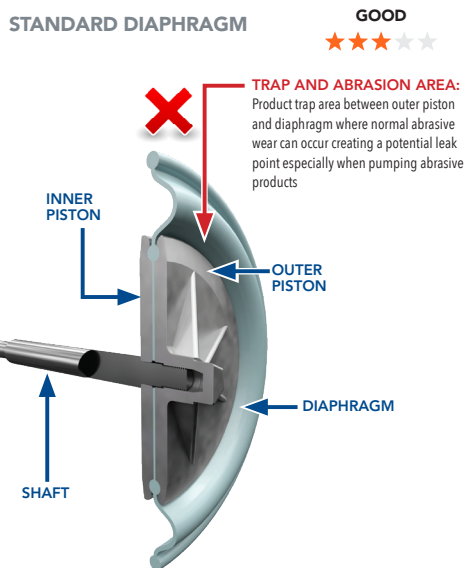
- Outer piston that causes diaphragm abrasions
- Increased rate of diaphragm failure

### 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



WIL-19184-F-02

Copyright 2021 PSG®, a Dover company

Authorized PSG® Partner:

Where Innovation Flows 

**WILDEN®**

PSG  
22069 Van Buren Street  
Grand Terrace, CA 92313-5651 USA  
P: +1 (909) 422-1730 • F: +1 (909) 783-3440  
[wildenpump.com](http://wildenpump.com)