

# 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 outer piston abrasion for 2-3x longer diaphragm life, especially when pumping abrasive fluids
- Elimination of a potential leak point at the outer piston when pumping critical or dangerous fluids
- Easy cleanability for faster changeovers between different products

### FEATURES AND BENEFITS

- Lasts 2x-3x longer than conventional diaphragms, and up to 15x in some applications
- 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®, Bunalast™, 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 Bunalast of -40° to 130°C (-40° to 266°F)
- Available for Pro-Flo® SHIFT and Pro-Flo® bolted-metal and plastic models
- High-pressure Chem-Fuse diaphragm available for Wilden H800 pump
- Available for Brahma Pro-Flo® SHIFT Solids Handling Pumps

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®, Bunalast™ 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 design creates a product trap area that is susceptible to increased wear and tear
- Increased rate of diaphragm failure

### SHORT-STROKE INTEGRAL PISTON DIAPHRAGMS (IPD)

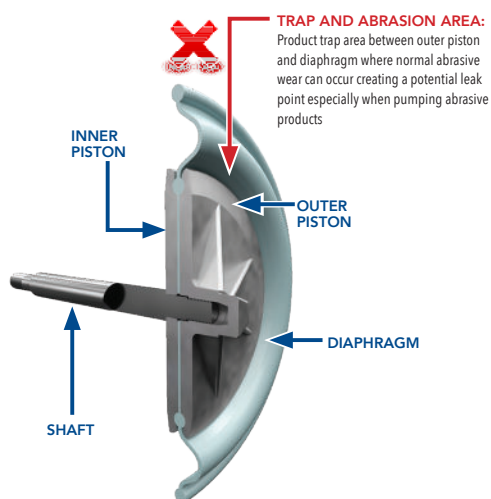
- Only available in short shaft
- Reduced performance: up to 50% reduction in flow and suction lift

### 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

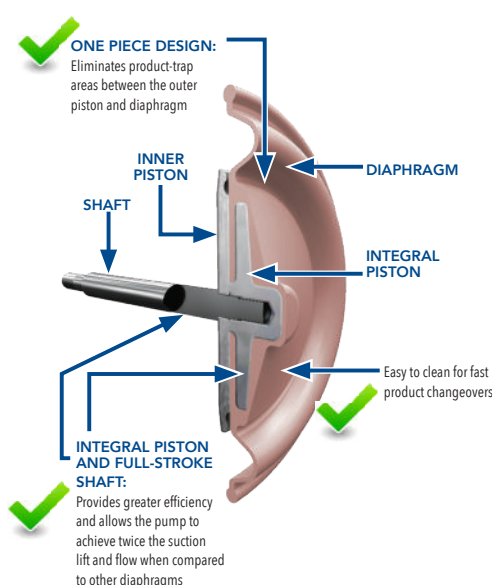
#### STANDARD DIAPHRAGM

GOOD



#### CHEM-FUSE DIAPHRAGM

BEST



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