

# Full-Stroke PTFE Diaphragms



Where Innovation Flows

## WILDEN®

### WHEN PERFORMANCE MATTERS, MAXIMIZE THE FULL-STROKE

When the job requires peak performance and maximum containment, Wilden's PTFE Full-Stroke Diaphragm delivers the suction lift, life, flow rates, efficiency and reliability needed to get the job done safely and securely. Wilden's full-stroke diaphragm technologies provide greater productivity with increased displacement per stroke for enhanced suction lift, flow rates and operating efficiencies.

### FEATURES AND BENEFITS

- Superior flow rates and reliability
- Higher efficiency (utilizes the full stroke to push more fluid per quantity of air consumed)
- 115% increase in suction lift capability
- Reduces flex creases, minimizing a critical failure mode and increases diaphragm life
- Simplified inventory (uses existing rubber and TPE shaft and piston assemblies)
- Wide temperature range: 4°C to 104°C (40°F to 220°F)
- Complies with Requirements of:



Contact factory for details

# Performance When It Matters

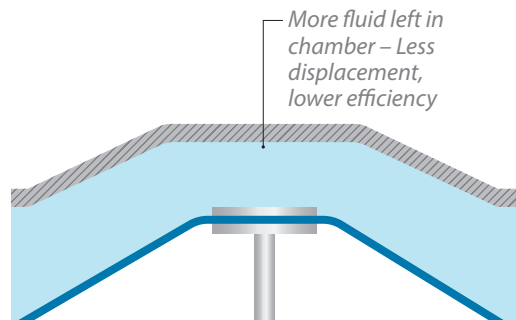
## FULL-STROKE PTFE DIAPHRAGM OVERVIEW

- Maximum efficiency in operational performance and air consumption
- PTFE is the optimal choice for hygienic or aggressive chemical applications
- Excellent for highly aggressive fluids such as aromatic or chlorinated hydrocarbons, acids, caustics, ketones, aldehydes and acetates
- Features an exceptionally smooth, contoured shape with the same shaft and hardware utilized by Wilden's current rubber and Thermoplastic Elastomer (TPE) diaphragms
- Features a Wil-Flex™ or Saniflex™ backup diaphragm
- Wil-Gard™ diaphragm containment alarm system available as an accessory

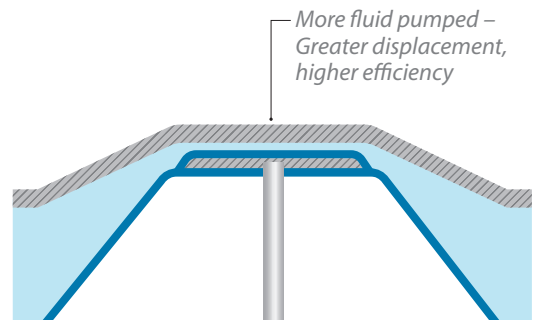
## COMPATIBILITY

- Wilden AODD pumps, including FDA Series and Hygienic™ Series pumps for enhanced containment & cleanability
  - 25 mm (1")
  - 38 mm (1-1/2")
  - 51 mm (2")
  - 76 mm (3")
- Wilden High Pressure Pumps, Ductile Iron and Stainless Steel
  - 25 mm (1") H200
  - 51 mm (2") H800

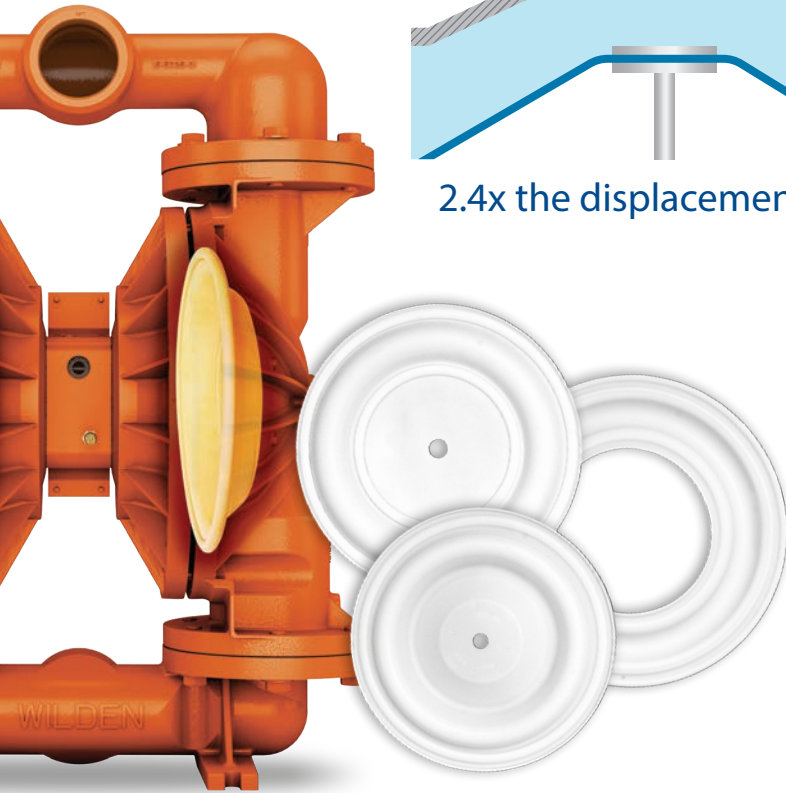
*Conventional Diaphragm During Discharge Stroke*



*Full-Stroke PTFE Diaphragm During Discharge Stroke*




**2.4x the displacement per stroke of conventional diaphragms**



WIL-19182-F-03

Copyright 2021 PSG®, a Dover company

Authorized PSG® Partner:

Where Innovation Flows   
PSG  
a DOVER company

**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)