

## INTRODUCTION OF THE 25mm (1") AND 38mm (1-1/2") NEOPRENE BACKED QUADRA-FLEX™ PTFE LAMINATE DIAPHRAGM

Wilden is proud to announce the availability of neoprene backed Quadra-Flex™ laminate diaphragms for 25 mm (1") and 38 mm (1-1/2") pumps. Quadra-Flex™ diaphragms incorporate a proprietary composite polytetrafluoroethylene (PTFE) layer bonded to fabric reinforced neoprene. These diaphragms are available for use in both Advanced™ bolted and Original™ clamped Wilden pumps. The Quadra-Flex™ diaphragm was developed through proprietary manufacturing techniques, an intensive study of diaphragm dynamics, and Finite Element Analysis (FEA). Quadra-Flex™ diaphragms provide superior flex life and unparalleled tear resistance when compared to competitor diaphragms on the market.

Quadra-Flex™ is designed for applications requiring rugged and durable diaphragms. As part of the development requirements, this diaphragm had to pass a grueling life test by pumping water containing razor sharp metal chips. After consistently passing this test, it was evident that this diaphragm picks up where other diaphragms leave off. For information on the metal chip test, consult the factory.

Quadra-Flex™ diaphragms use the same shaft and pistons as the current Wilden two-piece configuration, providing the same performance and solids passage capabilities. Quadra-Flex™ diaphragms can be fitted into competitor models that accept Wilden 02-1010-55 and 04-1010-55 PTFE diaphragms.

### Product Features and Benefits:

- Proprietary PTFE composite laminated to neoprene
- Superior flex life and tear resistance
- Simplified one-piece assembly
- Same shaft, inner and outer pistons as the Wilden two-piece PTFE assembly
- No sealant tape required for installation
- Retrofits all 25 mm (1") and 38 mm (1-1/2") Wilden PTFE-fitted pumps in the field



22069 Van Buren Street, Grand Terrace, CA 92313  
Tel 909.422.1730 • Fax 909.783.3440

[www.wildenpump.com](http://www.wildenpump.com)