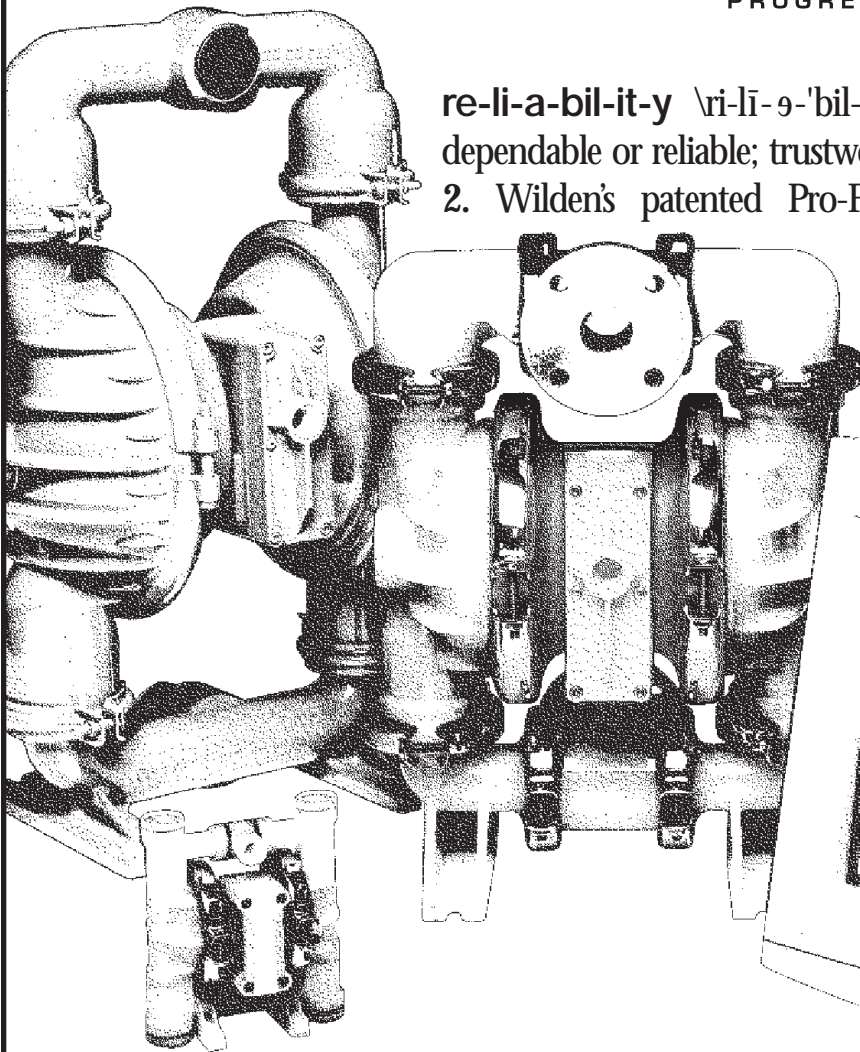


# ENGINEERED R E V O L U T I O N

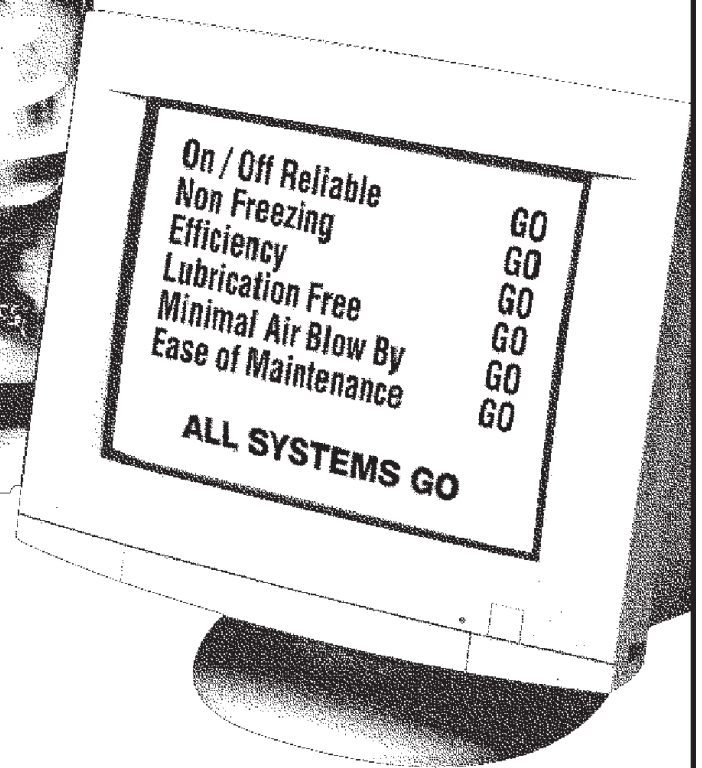
## Reliability Redefined

### PRO-FLO®

PROGRESSIVE PUMP TECHNOLOGY



re-li-a-bil-it-y \ri-lī-ə-'bil-ət-ē\ *n.* 1. The trait of being dependable or reliable; trustworthy; dependable in achievement. 2. Wilden's patented Pro-Flo® air distribution system for air-operated, double-diaphragm pumps. e.g. *The reliability of Pro-Flo® has revolutionized the pump industry.*



Models Available: P.025 (1/4" port)  
P4 (1 1/2 port)  
P8 (2" port)

Materials: Polypropylene, Acetal

Max. Pressure: 125 psi (8.6 Bar)

Max. Flow Rate: P8 156 gpm (590.5 lpm)



**WILDEN®**  
AIR OPERATED DOUBLE DIAPHRAGM PUMPS

# Wilden Pro-Flo® Pump Series

Throughout our 43-year history, Wilden pumps have excelled in difficult fluid transfer applications where other pump types have failed. Wilden's success is attributed to inherent pump features which include: *intrinsic safety, deadhead capability, the ability to run dry and self-prime, and ease of operation and maintenance.*

As air-operated pump technology is refined, the Wilden pump is being placed in process applications requiring liquid transfer on demand. Liquid transfer must be initiated and concluded without hesitation to assure process integrity. To this end, Wilden's patented Pro-Flo® air distribution system is engineered to satisfy the rigid standards of process pumping.

## Pro-Flo® — What Does It Mean?

### On/Off Reliable (*Product on Demand*)

Wilden spent over three years developing the patented Pro-Flo® shifting mechanism and porting configuration to optimize performance. The Pro-Flo® design employs a pilot valve and unbalanced spool that serve as an anti-centering device. The shifting mechanism is held in place until reciprocation is initiated.

### Air Blow-By (*Increased Efficiency*)

Proprietary seal technology and tight manufacturing tolerances allow Wilden to increase efficiency and diminish blow-by in deadhead conditions. Teflon®-based thermoplastic seals provide the required deflection needed to contain your precious air supply.

### Reduced Freezing (*Increased Reliability*)

Freezing of moisture suspended in compressed air is a leading cause of air tool reliability concerns. Problematic freezing is diminished due to the Pro-Flo® exhaust porting design. This system is designed to slow the expansion of air within the pump to keep moisture held in suspension.

### Lubrication Free (*EPA and Maintenance-Friendly*)

Pro-Flo® seal configurations and mating parts have a low coefficient of friction, allowing the pump to operate without in-line lubricators. Teflon®-based thermoplastic seals enjoy a long life.

### Low Noise Level (*Employee and OSHA-Friendly*)

The site locations of many process pumps are in close proximity to employees. OSHA requires that employees should not be exposed to noise levels above 85 dba for extended periods of time. The Pro-Flo® pump is rated under 85 dba in many operating conditions.

Wilden has invested many years in the development of the Pro-Flo® system and has succeeded in engineering a reliable, efficient process pump. This pump outperforms all other air-operated pumps on the market while remaining cost-competitive. Expensive pressure relief valves, by-pass plumbing and variable speed drives are not required. Pro-Flo® is revolutionizing the way you solve your toughest pumping problems.

	P.025 PLASTIC	P1 PLASTIC	P1 METAL	P2R PLASTIC	P2 METAL	P4 PLASTIC	P4 METAL	P8 PLASTIC	P8 METAL
Pump Size	1/4" (6.35 mm)	1/2" (1.27 cm)	1/2" (1.27 cm)	1" (2.54 cm)	1" (2.54 cm)	1 1/2" (3.8 cm)	1 1/2" (3.8 cm)	2" (5.8 cm)	2" (5.8 cm)
Max. Flow	4.8 gpm (18.2 lpm)	15 gpm (56.8 lpm)	15.5 gpm (58.7 lpm)	37 gpm (140.1 lpm)	45 gpm (170 lpm)	93 gpm (352.0 lpm)	81 gpm (306.6 lpm)	155 gpm (586.7 lpm)	156 gpm (590.5 lpm)
Max. Pressure	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)	125 psig (8.6 Bar)
Max. Size Solids	1/64" (.4 mm)	1/16" (1.59 mm)	1/16" (1.59 mm)	1/8" (3.18 mm)	1/8" (3.18 mm)	3/16" (4.76 mm)	3/16" (4.76 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Max. Suct. Lift (Dry)	10' (3 m)	20' (6.10 m)	19' (5.79 m)	18' (5.5 m)	19' (5.79 m)	17' (5 m)	19' (5.5 m)	23' (7.0 m)	24' (7.3 m)



**WILDEN®**

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

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