

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

## ULTRAPURE

The Ultra-Pure III incorporates the latest technology, materials of construction, and quality control techniques available to industry which provides the user with a safe working environment, contamination reduction, and higher product yield.

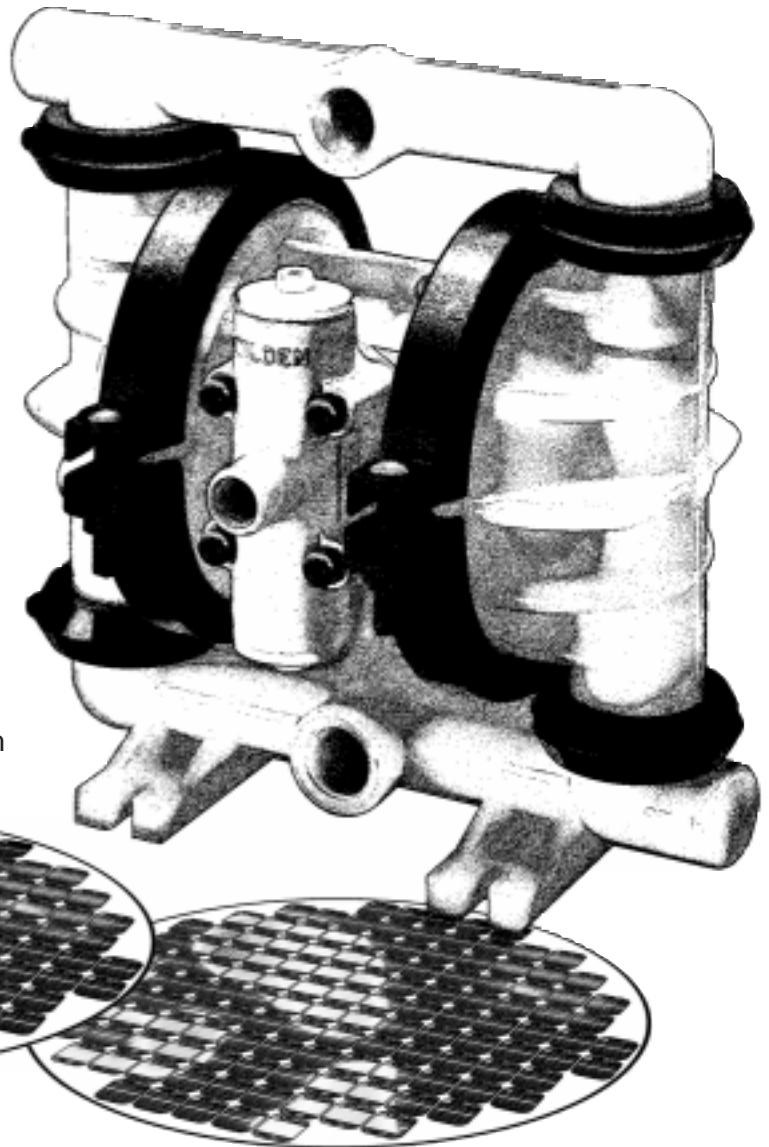
TEFLON® PFA construction keeps contaminants to a minimum while providing a safe work environment to 300° F.

TEFLON® PTFE diaphragms ensure product containment.

A newly designed, LUBE-FREE air distribution system constructed solely of high-tech, engineered thermoplastics minimizes contamination.

CHEMRAZ® O-rings combine the resilience and sealing force of an elastomer with the chemical resistance inherent in perfluorinated polymers.

A leak-free design incorporates a specially engineered WIL-SEAL™ O-ring configuration, combined with "wrap-around" clamp bands which apply uniform pressure to the sealing surfaces.



# WILDEN®

**AIR OPERATED DOUBLE DIAPHRAGM PUMPS**

22069 Van Buren St., Grand Terrace, CA 92313-5607 • 909-422-1730 • Fax 909-783-3440  
[www.wildenpump.com](http://www.wildenpump.com)

# Model P1 UPIII

Wilden Pump and Engineering Company is the leading supplier of air-operated, double-diaphragm pumps to commercial and industrial processing industries. We understand the value of listening to engineers, end-users, and our distributor network. Through field research and correspondence with the semi-conductor, electronic, and pharmaceutical industries, it was concluded that an economic solution was not available to the market which met their rigid guidelines for transporting corrosive liquids with high purity and low contamination. Our engineers were then given the task of designing a product specifically for ultrapure applications commonly found in the semi-conductor, electronic, and pharmaceutical industries. Engineered in response to the request for a reliable, lube-free, sealless pump, con-

structed of pure materials, Wilden proudly introduces the M1 UPIII. This 1/2" pump is constructed of Teflon® PFA wetted parts, Chemraz® O-rings, Teflon® PTFE primary diaphragms, and containment diaphragms which keep contamination to a minimum, while providing a safe working environment to 300° Fahrenheit. A new LUBE-FREE air distribution system, made solely of plastic composites, in conjunction with a newly designed center section, enhances reliability and pump performance. These selected plastic composites have the ability to function together without lubrication, which further reduces contamination and fugitive emissions via the air exhaust port.

## Features:

- Enhanced, LUBE-FREE air distribution system
- Variable Speed
- Up to 300° Fahrenheit
- Seal-Less, leak-Free
- Self Priming
- Dead Head Capability
- No leak-prone, dynamic seals
- Factory tested in 18 mega Ohm deionized water with nitrogen purge

Contact your local authorized Wilden distributor for further information.

## Applications:

- Semiconductor Processing
- Ultrapure Acids
- Etching Solutions
- Piranha Baths
- Photoresist Removers
- Deionized Water
- Plating Chemicals
- Pharmaceuticals

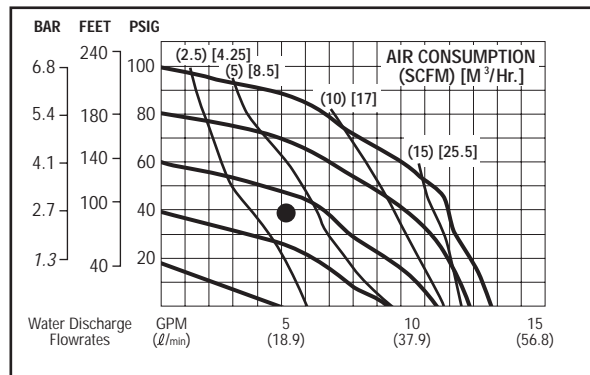
## Specifications:

- Height: ..... 9 1/4"
- Width: ..... 8 7/8"
- Depth: ..... 6 3/4"
- Weight: ..... 11.6 lbs.
- Air Inlet: ..... 1/4" Female NPT
- Inlet/Discharge: ..... 1/2"
- Suction Lift: ..... 6' Dry / 25' Wet
- Max. size solids: ..... 1/16" Dia.

**Example:** To pump 5 gpm against a discharge head of 40 psig requires 52 psig and 3.7 scfm air consumption (see dot on chart).

Chemraz® is a registered trade mark of Green, Tweed & Co.

Teflon® is a registered trade mark of Dupont.



22069 Van Buren Street, Grand Terrace, CA 92313-5607

Telephone 909-422-1730 • Fax 909-783-3440

www.wildenpump.com

© Copyright 1999, Wilden Pump & Engineering Co.

RBG S-37-FAX 04-97

Your Local Authorized Distributor: