VERSAMATIC®

Air-Operated Double Diaphragm Pumps, Parts and Accessories for Rental Applications
THE VERSA-MATIC ADVANTAGE

The broadest range of pump types and styles to meet the widest variety of applications

The Right Pump For Any Job
Since 1983, Versa-Matic has redefined the standard of performance in air operated double diaphragm (AODD) pumps. Simple, proven, robust designs offer unsurpassed reliability and worry-free performance.

Widest Range of Pumping Technologies:
- Diaphragm pumps
  - Ball Valve – Clamped and Bolted (handles fluids and slurries)
  - Flap Valve – Handles slurries and liquids with larger solids up to 1 1/8”
- Centrifugal – SludgeMaster (dewatering pump for high volumes up to 300 gpm)
- Porta-Matic (12-volt battery powered for localized dewatering)

Proven Reliability
The patented Elima-Matic air valve system has been proven to perform in even the most difficult of applications. The valve has been designed to handle wet and dirty air effectively without stalling.

Ease of Maintenance
- Air valve is easily accessible without taking the pump off line
- Simple to install, diaphragm designs reduce maintenance time
- Lube-free operation

Interchangeability
Complete Elima-Matic pumps and air sections available to replace or upgrade most Wilden® 4, 8, and 15 Series models.

Excellent MTBF:
- Extended life diaphragm styles ensure long in-service life
- Engineered dynamic spool and shaft seals provide excellent wear characteristics
- Simple, low cost rebuild options. Complete assemblies, kits, or individual components

Ball Valve Pumping Technology
Ball valve pumps in both clamped and bolted configurations:
- Handle everything from slurries and solids laden fluids to simplify water reliably
- The gentle pumping action and open, clearances provided by AODD pumps are also perfect for shear sensitive products that can be damaged by other pump types.
- Can deliver flow rates up to 273 gpm (1,033 lpm)
- The clamped design provides ease of repair
- Bolted design provides leak-free safe transfer of the fluids
- Dimensionally interchangeable models to replace Wilden® 4, 8, and 15 Series models also available

Flap Valve Pumping Technology
- Hinge pins exert positive pressure on the flaps allowing the pump to operate in virtually any position.
  - This helps deliver superior suction lift and flow rates up to 219 gpm (829 lpm).

Superior Solids Handling
The flap valve design allows for greater solids handling up to 1 1/8” (28.58 mm) due to the open internal pump tolerances and its top suction bottom discharge gravity assistance flow though design.

Bottom Discharge
The bottom discharge, top suction design is optimum for handling settling solids and slurry.

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Applications & Industries

Versa-Matic provides pumps that move your industry.
Installed in countless applications and industries throughout the world.

- **General Industry**
  - Portable utility pump
  - Waste treatment/filter press feed
  - Sump/pit transfer

- **Mining**
  - Dewatering
  - Fuel transfer

- **Paints & Coatings**
  - Tanker car unloading
  - Blending
  - Packaging line feed

- **Food Processing**
  - Tank circulation/Transfer (Wine)
  - Packaging line feed
  - Waste treatment

- **Chemical**
  - Product transfer
  - Blending
  - Packaging line feed
  - Containment field remediation

- **Marine**
  - Barge cleaning
  - Tank transfer

- **Oil & Gas**
  - Drilling chemical transfer
  - Mud makeup
  - Containment field remediation

Why Choose AODD Pumps:

AODD pumps deliver unique benefits that are unrivaled by other pump technologies, making them the clear choice for many of the world’s most challenging applications.

1. Run-dry without damaging the pump or system
2. Pump solid laden fluids without pump or product damage
3. Self-priming, works in suction lift applications
4. Deadheads, safety, with no pump or product damage
5. Shear sensitive, does not shear or separate product being pumped
6. No electricity required, can be fully grounded
7. Low initial purchase price compared to other technologies
8. Submersible, completely submerged with no safety/performance issues
9. Sealless design, no expensive mechanical seals or packing are required
10. Variable flow & head pressures, without sophisticated controls

Installation Versatility

Versa-Matic installation and application flexibility is unrivaled compared to other types of positive displacement (PD) pumps.

Our pumps are designed to perform in less than optimum system conditions. Versa-Matic pumps can be fixed mounted to your process system or remain portable for easy mobility. Simplifying your systems begins with Versa-Matic.

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# Pumps Commonly Used for Rental Applications

Broadest range of pump types and options to meet your toughest fluid handling requirements

## Pump Guide

### Pumps Commonly Used for Rental Applications

#### Fluid System / Discharge Port Size / Connection Type

<table>
<thead>
<tr>
<th>Model</th>
<th>2&quot; (50.8 mm) Threaded</th>
<th>2&quot; (50.8 mm) Threaded</th>
<th>2&quot; (50.8 mm) Flanged (NPT)</th>
<th>3&quot; (76.2 mm) Threaded (NPT)</th>
<th>3&quot; (76.2 mm) Flanged (NPT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2</td>
<td>Clamped</td>
<td>Clamped</td>
<td>Horizontal / Center</td>
<td>Horizontal / Center</td>
<td>Horizontal / Center</td>
</tr>
<tr>
<td>E2 SCREEN BASE</td>
<td>Flanged (ANSI / DIN)</td>
<td>Optional: (NPT / BSP)</td>
<td>Clamped</td>
<td>Clamped</td>
<td>Clamped</td>
</tr>
</tbody>
</table>

#### Fluid Porting Configurations

- Horizontal / Center
- Vertical / Horizontal / Center
- Vertical / Vertical / Center

#### Fluid Maximum Flow Rate Per Minute

- 185 gpm (268 lpm)
- 112.8 gpm (184 lpm)
- 57.6 gpm (109 lpm)
- 106 gpm (266 lpm)
- 125.6 gpm (301 lpm)
- 106 gpm (266 lpm)
- 185 gpm (268 lpm)
- 273 gpm (1,033 lpm)
- 238 gpm (901 lpm)
- 219 gpm (829 lpm)
- 300 gpm (1,140 lpm)
- 43 gpm (163 lpm)

#### Fluid Containment

- Field / Berm
- Transfer (Tank Farms)
- Spray / Transfer
- Asphalt Sealing (Road Maintenance)

#### Fluid Tanker Car Unloading

- General Industry

#### Fluid Filling Molds, Slip, Glaze

- Ceramic

#### Fluid Filter Press Feed

- General Industry

#### Fluid Tank Over / Circulation

- Wine

#### Fluid Emergency Response - Spills / Floods

- All

#### Fluid Tanker Car Unloading

- General Industry

#### Fluid Plant Shutdowns / Turn Around

- Chemical

#### Fluid Driller Mud Make-Up

- Oil and Gas

#### Fluid Slurry / Transfer

- Asphalt Sealing (Road Maintenance)

#### Fluid Lubricant Feed

- Berm Transfer (Tank Farm)

#### Fluid Natural Disasters - Dewatering

- All

### Pumps Commonly Used for Rental Applications

#### Pumps Commonly Used for Rental Applications

- E2
- E2 SCREEN BASE
- E3
- E3 SCREEN BASE
- E2-F
- SMA3-A
- SPA15

#### Wetted Material Options

- AL / CI / SS / H
- AL / SS / Coated AL
- AL / SS / Coated AL / PP
- AL / SS / Coated AL
- AL / SS / Coated AL
- AL / SS / Coated AL
- AL / SS / Coated AL
- AL / SS / Coated AL
- AL / SS / Coated AL
- AL / SS / Coated AL
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#### Fluid Specifications

<table>
<thead>
<tr>
<th>Fluid</th>
<th>Suction / Discharge Port Size</th>
<th>Connection Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL</td>
<td>AL</td>
<td>AL</td>
</tr>
<tr>
<td>CI</td>
<td>CI</td>
<td>CI</td>
</tr>
<tr>
<td>SS</td>
<td>SS</td>
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<tr>
<td>H</td>
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</tr>
</tbody>
</table>

#### Fluid Maximum Discharge Pressure (Head)

- 125 psi (8.6 bar)
- 100 psi (6.9 bar)
- 28 psi (2 bar)

#### Fluid Air Side Material Options

- AL / SS / Coated AL
- AL / SS / Coated AL
- AL / SS / Coated AL

#### Fluid Tank Over / Circulation

- Wine

### Notes

- Material Codes: AL = Aluminum, CI = Cast Iron, H = Alloy C, SS = Stainless Steel, PP = Polypropylene, K = PVDF
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**Frequently Used**
- A
- B
- C

**Sometimes Used**
- A

**Never Used**
- C

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**ADDITIONAL VALUE ADDED PRODUCTS**

Versa-Matic offers a complete line of air-operated double diaphragm pumps ranging from ¼” – 3”, in a wide array of different styles and materials to handle virtually any application.

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**Wilden®**

Dimensionally interchangeable with Wilden®. Designed with like dimensions to Wilden® 4, 8, and 15 series units to eliminate the hassle and expense of piping and foot mount changes.

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**Screen Mounted**

Designed for dewatering applications. Equipped with inlet screen bases which do not allow solids to exceed pump capabilities. Great for mine dewatering, barge cleaning, construction, or other rapid dewatering needs.

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**FBA / 3A**

For food, beverage, dairy and pharmaceutical applications. High polished FDA food processing and 3A sanitary models are available to meet the stringent requirement of those industries.

---

**2:1 High Pressure**

If discharge pressure over 125 psi is required, consider 2:1 ratio pump units which can provide pressures up to 238 psi. Perfect for long vertical runs, filter press feed, or other high pressure applications.

---

**Accessories**

To protect your investment consider adding:
- Filter regulator (clean dry air)
- Surge Suppressor (reduce fluid pulsation)
- Pneumatic liquid level control (sump / pit level control)

---

**Kits**

Complete pump rebuild kits are available to make ordering and repair quick and easy. Receive all necessary items for a complete repair in one package to avoid unnecessary downtime.

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Wilden® is a registered tradename of Wilden Pump and Engineering Company, a Dover Resources Company. Versa-Matic and its products are not affiliated with Wilden Pump and Engineering Company.