

# RENTAL MARKET PUMPS

AIR OPERATED DOUBLE DIAPHRAGM (AODD) PUMP

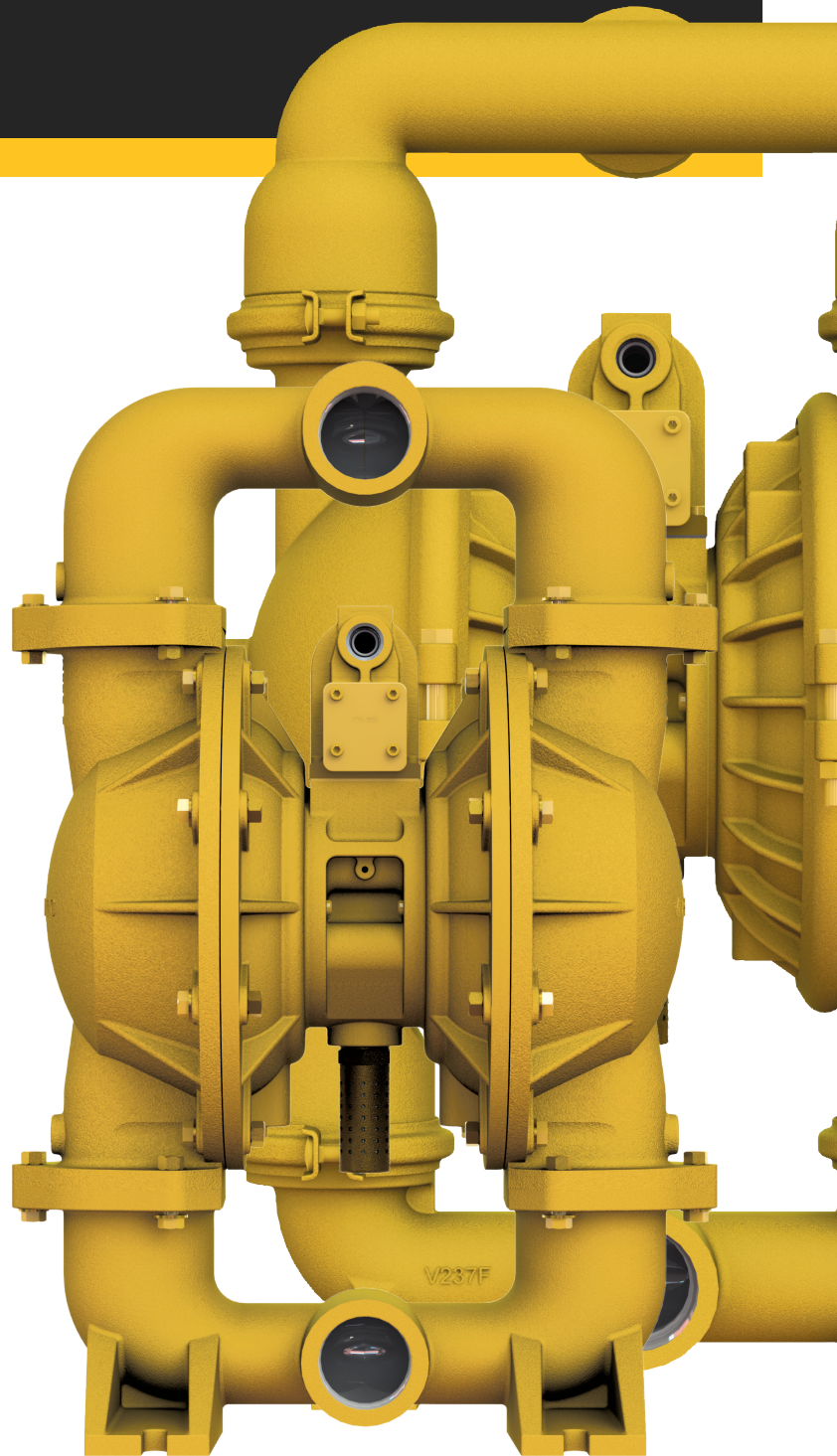
## PRIMARY RENTAL APPLICATIONS

DEWATERING

CHEMICAL TRANSFER

WATER TREATMENT

FUEL AND LUBRICATION TRANSFER



**VERSAMATIC®**  
PUMPING MADE EASY

**VERSAMATIC.COM**

THE VERSAMATIC ADVANTAGE

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

THE RIGHT PUMP FOR ANY JOB

Since 1983, Versamatic 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 (Versa-Dome, FUSION)
- Lube-free operation

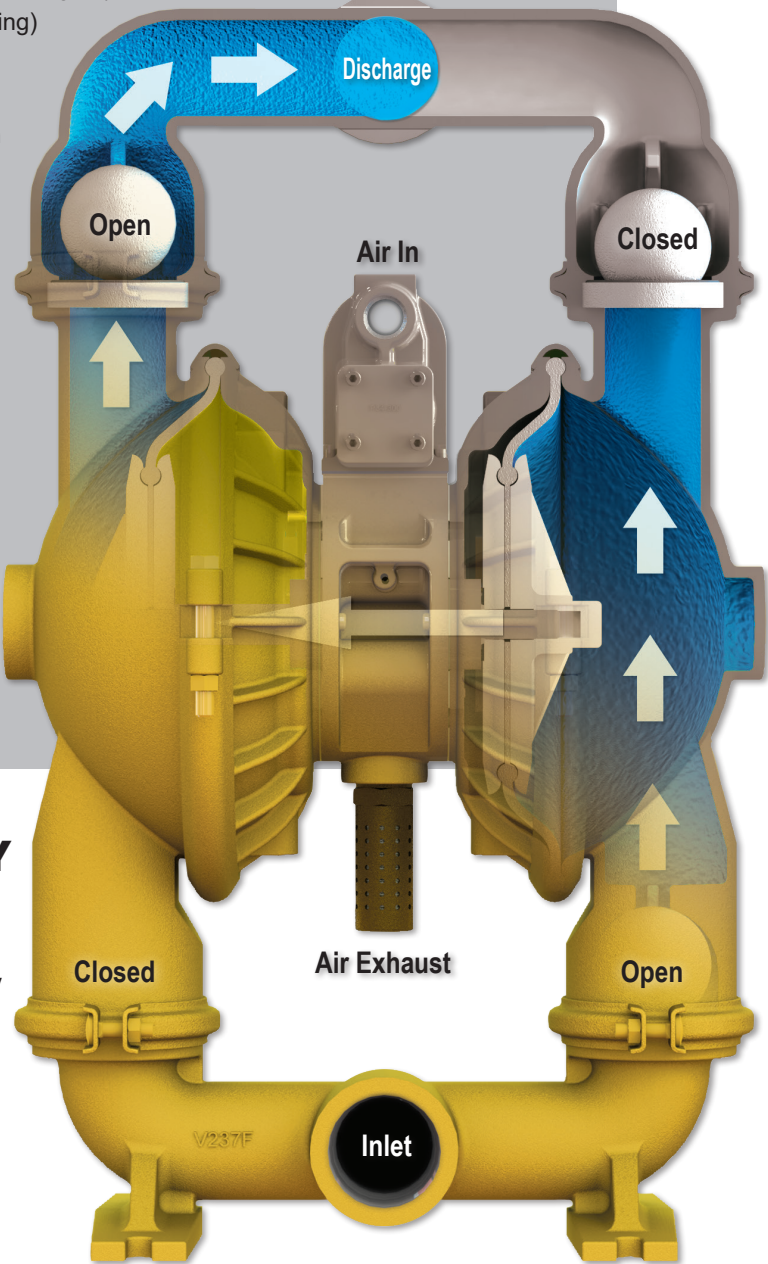
EXCELLENT MTBF:

- 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:

- Reliably handles everything from slurries and solids laden fluids to water. 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 thin fluids



CENTRIFUGAL PUMPING TECHNOLOGY

SludgeMaster (Pneumatic)

- Flows to 300 gpm (1,140 lpm)
- Fully submersible
- Can run dry without damage
- Self-priming and continuous automatic lubrication

Porta-Matic (12-volt)

- Flows to 43 gpm (163 lpm)
- Runs off any 12-volt truck/auto battery
- Fully submersible
- Self-lubricating shaft seal, bearing lubricated for life

E3 STAINLESS PUMP



SIMPLE, LOW COST MAINTENANCE

Replaceable air valve sleeve and repairable pilot spool design.



EXTENDED LIFE DIAPHRAGMS

Patented Versa-Dome diaphragms offer extended flex-life while still maintaining full flow. The flexible profile allows the diaphragms to roll making installation simple.



CHEMICAL RESISTANCE

Replaceable air valve sleeve and repairable pilot spool design.



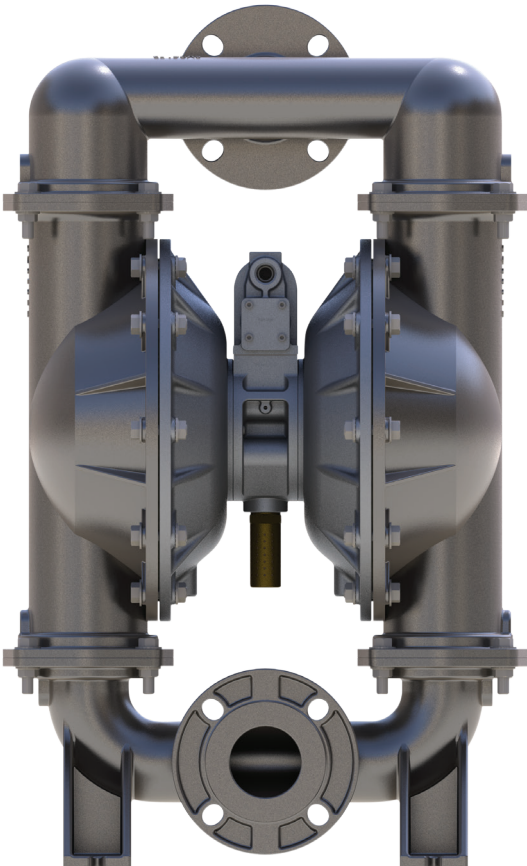
BOLTED CONSTRUCTION

Bolted construction provides enhanced sealing capabilities when pumping thin liquids.



LONG TERM RELIABILITY

Modular pilot assembly eliminates complexity, and ensures consistent performance after maintenance is performed.





APPLICATIONS & INDUSTRIES

Versamatic 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

PAINTS & COATINGS

- Tanker car unloading
- Blending
- Packaging line feed

FOOD PROCESSING

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

MINING

- Dewatering
- Fuel transfer

CHEMICAL

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

OIL & GAS

- Drilling chemical transfer
- Mud makeup
- Containment field remediation

MARINE

- Barge cleaning
- Tank transfer

INSTALLATION VERSATILITY

SUCTION LIFT

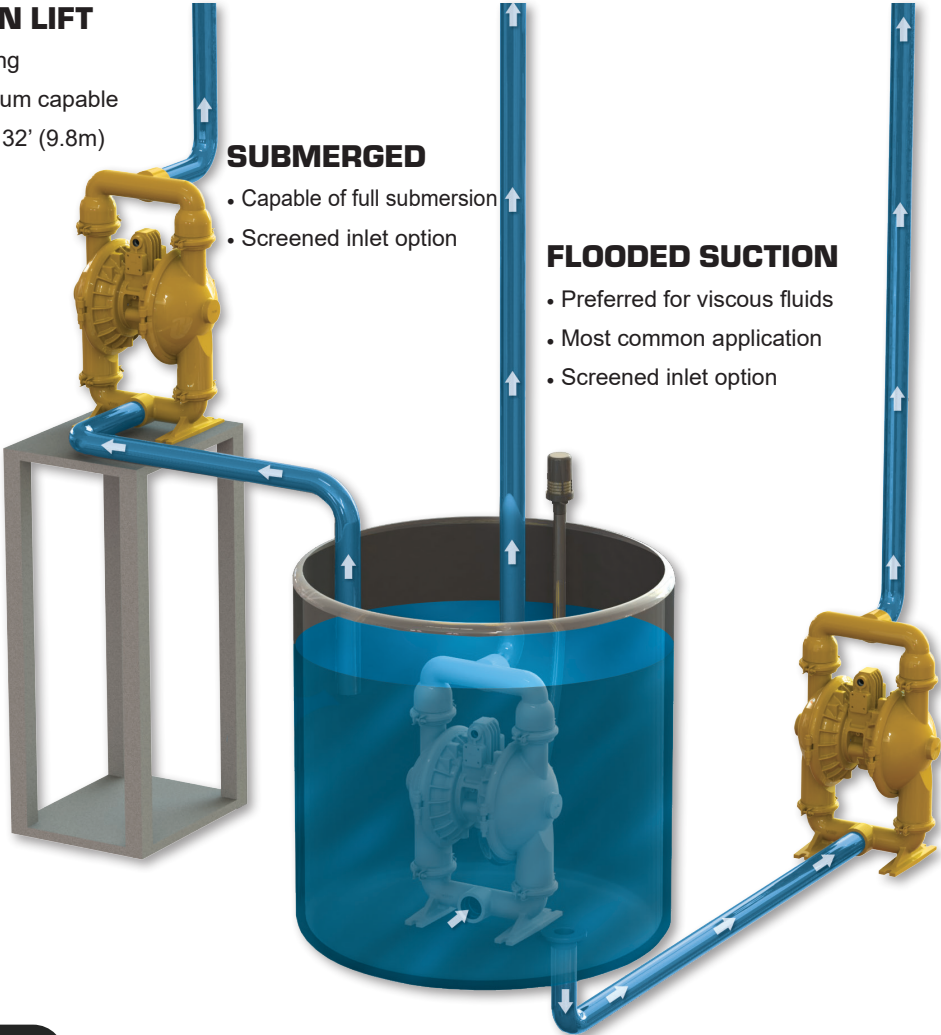
- Self-priming
- High vacuum capable
- Max lift of 32' (9.8m)

SUBMERGED

- Capable of full submersion
- Screened inlet option








FLOODED SUCTION

- Preferred for viscous fluids
- Most common application
- Screened inlet option



FEATURED 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.

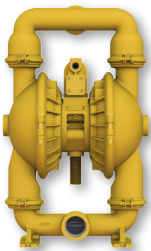
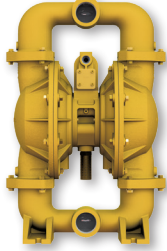
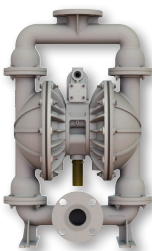
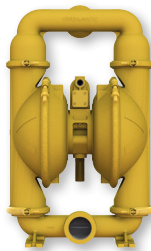
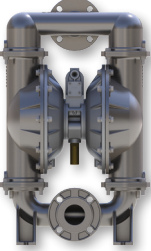
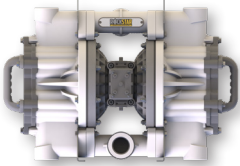
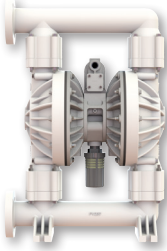
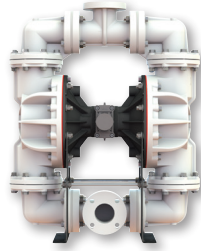


							
PUMP TYPE:	AODD	Centrifugal	Lobe	Gear	Progressive (screw)	Peristaltic (hose)	Piston/Plunger
TECHNOLOGY:	Non PD Reciprocating	Kinetic	PD Rotary	PD Rotary	PD Rotary	PD Rotary	PD Reciprocating
Variable Flow & Head Control: (inherently adjustable)	✓	!	!	!	!	!	!
Deadheads Safely: (at zero energy consumption)	✓	!	!	!	!	!	!
Dry-Running:	✓	✗	✗	✗	✗	✗	✗
Dry-Priming: (lift installations)	✓	✗	✗	✗	✗	✗	!
No Installation Alignment Required:	✓	✗	✗	✗	✗	✗	✗
No Electrical Installation Required:	✓	✗	✗	✗	✗	✗	✗
Portability:	✓	!	!	!	!	!	!
Submersible:	✓	!	✗	✗	✗	✗	✗
Sealless: (no packing or mechanical seals)	✓	!	!	!	!	!	!
No Slip: (thin liquids)	✓	!	!	!	!	!	!
Cavitation Tolerance: (low NPSHa)	✓	✗	!	!	!	!	!
Low Shear & Degradation:	✓	✗	!	!	!	!	!

✓ = Best Fit    ! = Limitations    ✗ = Not Recommended

PUMP SELECTION GUIDE - RENTAL APPLICATIONS

Versamatic has the right pump for you. Offering variable flow options without damage, ranging from 0 to 273 GPM in sizes from 1/4" to 3", we're sure you can find a pump that will satisfy your needs.



	METAL AODD BALL VALVE					FLAP VALVE	PLASTIC AODD BALL VALVE		CENTRIFUGAL SUBMERSIBLE	
										
PUMP MODEL	E2 CLAMPED	E2 BOLTED	E2 BOLTED	E3 CLAMPED	E3 BOLTED	VMB20 ROCKSTAR	E2 BOLTED	E3 BOLTED	SLUDGEMASTER	PORTAPUMP
Wetted Material Options	AL / CI / SS	AL	SS	AL / CI / SS	AL / SS	PP	PP / K	PP / K	AL	AL
Air Side Material Options	AL / SS / Coated AL*	AL	AL / SS / Coated AL*	AL / SS / Coated AL*	AL / SS / Coated AL*	PP	AL / SS / Coated AL* / PP**	Coated AL*	N/A	N/A
Construction Type (Clamped / Bolted)	Clamped	Bolted	Bolted	Clamped	Bolted	Bolted	Bolted	Bolted	N/A	N/A
Porting Configurations	Horizontal / Center	Horizontal / Center	Vertical / Horizontal / Center	Horizontal / Center	Horizontal / Vertical (AL) Center	Vertical / Horizontal / Center	End / Horizontal / Center / Vertical	Horizontal / Vertical / Center	N/A	N/A
Max Flow Rate Per Minute	185 gpm (268 lpm)	163 gpm (617 lpm)	160 gpm (606 lpm)	234 gpm (886 lpm)	273 gpm (1,033 lpm)	170 GPM (644 lpm)	177 gpm (670 lpm)	238 gpm (901 lpm)	300 gpm (1,140 lpm)	43 gpm (163 lpm)
Maximum Discharge Pressure (Head)	125 psi (8.6 bar)	125 psi (8.6 bar)	125 psi (8.6 bar)	125 psi (8.6 bar)	125 psi (8.6 bar)	100 PSI (6.9 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)	28 psi (2 bar)	25' (7.6m)
Max Solids Handling	0.25" (6.4 mm)	0.4375" (11.1 mm)	0.25" (6 mm)	0.375" (9.5 mm)	0.375" (9.5 mm)	1.125 in (46mm)	0.25" (6.3 mm)	0.71" (18 mm)	1.50" (6.mm)	0.38" (9.5mm)
Sump / Pit Evacuation (General Industry)	A	A	C	B	A	A	C	C	A	X
Plant Shutdowns / Turn Around (Chemical)	B	B	A	B	A	C	A	A	C	X
Emergency Response - Spills / Floods (All)	A	A	C	A	A	A	C	C	A	X
Chemical Transfer	A	A	C	A	A	C	C	C	X	X
Manhole Dewatering (Utility Service)	B	B	C	C	C	A	C	C	B	A
Trench / Pit Dewatering (Construction)	A	A	C	A	C	A	C	X	A	A
Driller Mud Make-Up (Oil and Gas)	A	A	B	A	B	A	X	X	X	X
Fuel and Lubrication	A	A	B	A	A	X	C	X	C	X

Notes: \* Coated aluminum air sections are available (PTFE Coated or Nickel Plated). E3 Plastic units come standard with Epoxy coated aluminum air section or can be ordered with an optional PTFE coating. \*\* If a Polypropylene air section is required, order a U2 Ultra-Matic Series product (U2PP).

MATERIAL CODES: **AL** = ALUMINUM, **CI** = CAST IRON, **SS** = STAINLESS STEEL, **PP** = POLYPROPYLENE, **K** = PVDF  
**A** = FREQUENTLY USED **B** = OFTEN USED **C** = SOMETIMES USE **X** = NEVER USED





### KEY APPLICATIONS:

- Dewatering (Solids and Slurry handling / Acidic water)
- Pit / Sump transfer

### ADVANTAGES:

#### Flap Check Valve:

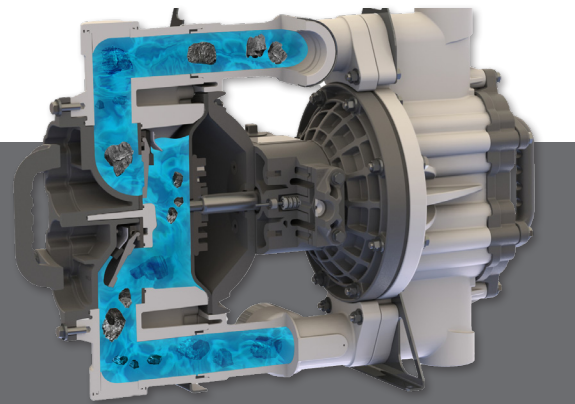
- Hinge pads exert positive pressure on the flaps allowing the pump to operate in virtually any position; this helps deliver superior suction lift and flow rates up to 170 gpm (644 lpm)

#### Superior Solids Handling:

- The flap valve design allows for greater solids handling up to 1 1/8" (28.6mm) due to the open internal pump tolerances and its top suction bottom discharge gravity assistance flow though design

#### Top Suction / Bottom Discharge:

- The bottom discharge, top suction design is optimum for handling settling solids and slurry
- Working with gravity, solids are quickly evacuated helping to reduce potential diaphragm failures



### PERFORMANCE: Flap Valve Pumping Technology

<b>Flow Rates</b>	
Adjustable to .....	170 gpm (644 lpm)
<b>Port Sizes</b>	
Suction .....	2" (50.8mm)
Discharge .....	2" (50.8mm)
<b>Air Inlet</b> .....	3/4" NPT (19.5 mm)
<b>Air Exhaust</b> .....	1" NPT (25.4mm)
<b>Max Solid Size (Diameter)</b> .....	up to 1 1/8" (28.6mm)
<b>Shipping Weights</b> .....	58 lbs (27 kg)

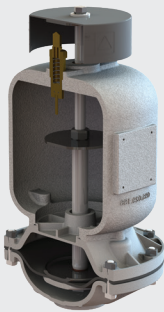
## AODD PUMP PARTS AND ACCESSORIES TO KEEP YOU PUMPING

Versamatic offers genuine parts and accessories to enhance the performance and improve the longevity of our air-operated double-diaphragm (AODD) pumps. From convenient service kits to accessories that boost performance, our genuine parts are tailor-made for your Versamatic AODD pump.

#### DIAPHRAGMS



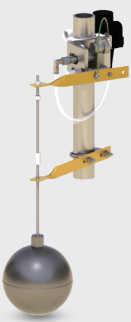
#### SURGE SUPPRESSORS



#### AIR FILTER REGULATOR



#### LIQUID LEVEL CONTROLLER



Visit us online to learn more about our line of accessories. Be sure to check out the video library for quick tips, installation, and repair videos.

## DIAPHRAGM PUMP SERVICE KITS – KEEP YOUR PUMP RUNNING

### Complete Pump Pump Repair Kits - Keep Your Pump Running Longer

Our repair kits are comprised of only the necessary components to ensure a complete pump repair. These kits reduce costly downtime, lost production and multiple maintenance associated with partial repairs.

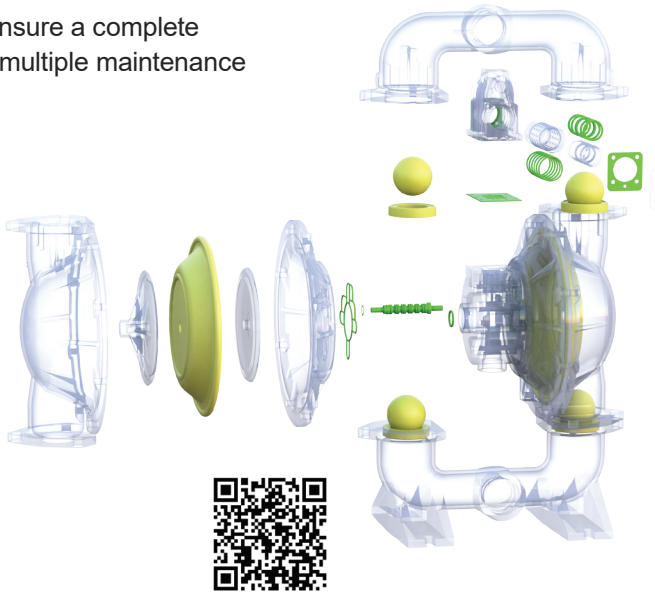
### REPAIR KITS

#### Wet End Repair Kit:

- Diaphragms
- Balls
- Seats

#### Air End Repair Kit:

- Seals
- O-rings
- Gaskets
- Retaining Rings
- Pilot Valve Assembly
- Lubricant
- Assembly Lubricant



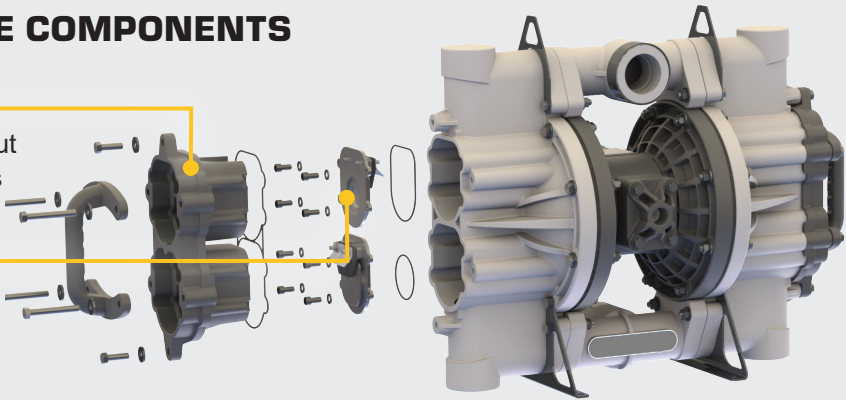
### QUICK ACCESS TO SERVICEABLE COMPONENTS

#### Remove Clean-Out Cap

By simply removing six bolts securing the clean-out cap in place, it allows access to clear simple clogs without disassembling the entire pump

#### Modular Check Valve Access

With the clean-out cap removed, the flap valves can be inspected and / or replaced as needed; four bolts hold the modular flap valves in place for quick maintenance and repair





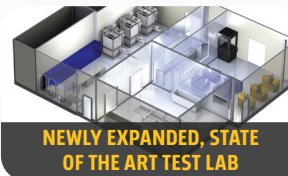
## WHY VERSAMATIC?

Since 1983, Versamatic has provided reliable, quality AODD pumping solutions globally to customer who value simplicity, quick delivery and convenience.

When purchasing Versamatic products, you can be confident knowing you are fully supported by experienced teams of professionals from product selection to installation and beyond.



**AWARD-WINNING  
MANUFACTURING FACILITY**  
80,000 square foot manufacturing plant. Award-winning facility, ensuring continuous improvement.



**NEWLY EXPANDED, STATE  
OF THE ART TEST LAB**  
Increased test capacity, performance, and endurance. Improved overall efficiency.



**PRODUCT ENDURANCE LAB**  
Ensures product performance and drives product enhancements.



**APPLICATIONS ENGINEERING, CUSTOMER  
SERVICE & AFTER SALES SUPPORT**  
From product selection, to troubleshooting, our team of experts are ready to help.



**QUALITY ASSURANCE**  
Enables consistent quality through scientific processes.



**GENUINE KITS AND PARTS**  
Provide guaranteed quality and ease of maintenance.



**DEDICATED TEAM TO  
SUPPORT YOU!**  
Providing product expertise, personalized service, and after sales support.



Warren Rupp, Inc. | A Unit of IDEX Corporation  
800 North Main Street | Mansfield, OH 44902 USA  
Phone: 419.526.7296



VM\_BRO\_Rental-1122

©Copyright 2022 Warren Rupp, Inc. All Rights Reserved.