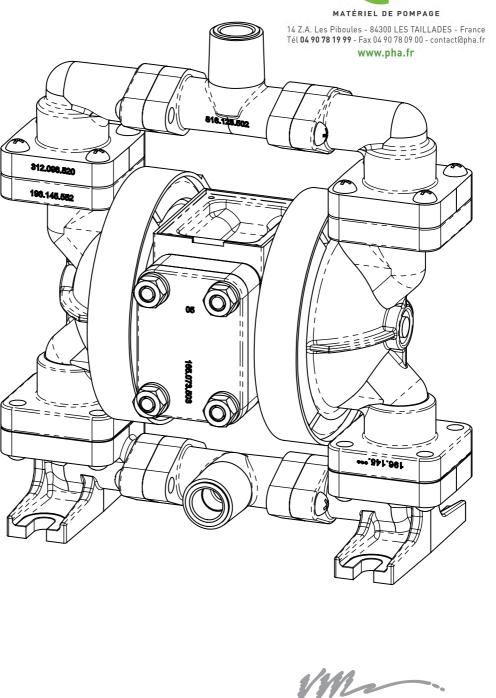
1/4" Elima-Matic Bolted Plastic

with Non-Metallic Center Sections

E6 Plastic Pump

- Polypropylene
- PVDF







Safety Information

A IMPORTANT



Read the safety warnings and instructions in this manual before pump installation and start-up. Failure to comply with the recommendations stated in this manual could damage the pump and void factory warranty.



When the pump is used for materials that tend to settle out or solidify, the pump should be flushed after each use to prevent damage. In freezing temperatures the pump should be completely drained between uses.

A CAUTION



Before pump operation, inspect all fasteners for loosening caused by gasket creep. Retighten loose fasteners to prevent leakage. Follow recommended torques stated in this manual.



Nonmetallic pumps and plastic components are not UV stabilized. Ultraviolet radiation can damage these parts and negatively affect material properties. Do not expose to UV light for extended periods of time.

WARNING



When used for toxic or aggressive fluids, the pump should always be flushed clean prior to disassembly.



Before maintenance or repair, shut off the compressed air line, bleed the pressure, and disconnect the air line from the pump. Be certain that approved eye protection and protective clothing are worn at all times. Failure to follow these recommendations may result in serious injury or death.



Airborne particles and loud noise hazards. Wear eye and ear protection.



In the event of diaphragm rupture, pumped material may enter the air end of the pump, and be discharged into the atmosphere. If pumping a product that is hazardous or toxic, the air exhaust must be piped to an appropriate area for safe containment.



Take action to prevent static sparking. Fire or explosion can result, especially when handling flammable liquids. The pump, piping, valves, containers and other miscellaneous equipment must be properly grounded.



This pump is pressurized internally with air pressure during operation. Make certain that all fasteners are in good condition and are reinstalled properly during reassembly.



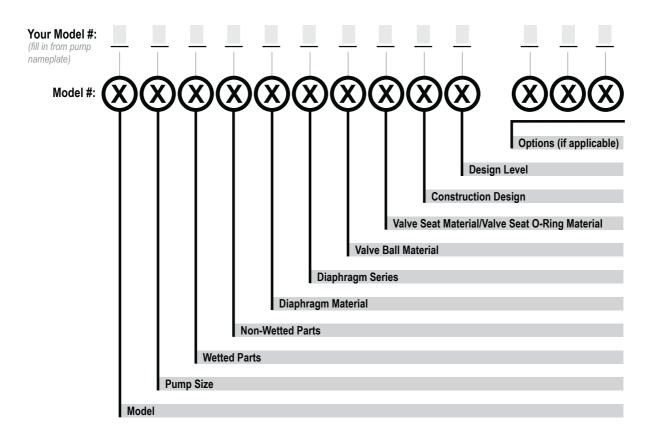
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Explanation of Pump Nomenclature

Your Serial #: (fill in from pump nameplate)



Model	Pump Size	Wetted Parts	Non-Wetted Parts	Diaphragm Material
E Elima-Matic	6 1/4"	A Aluminum	A Aluminum	1 Neoprene
U Ultra-Matic	8 3/8"	C Cast Iron	S Stainless Steel	2 Nitrile (Nitrile)
V V-Series	5 1/2"	S Stainless Steel	P Polypropylene	3 FKM (Fluorocarbon)
RE AirVantage	7 3/4"	H Alloy C	G Groundable Acetal	4 EPDM
	11"	P Polypropylene	Z PTFE-coated Aluminum	5 PTFE
	4 1-1/4" or 1-1/2"	K Kynar	J Nickel-plated Aluminum	6 Santoprene XL
	2 2"	G Groundable Acetal	C Cast Iron	7 Hytrel
	3 3"	B Aluminum (screen mount)	Q Epoxy-Coated Aluminum	9 Geolast
				Y FDA Santoprene

T PTFE Encapsulated Silicone O-Rings

Y FDA Santoprene

Diaphragm Series
R Rugged
D Dome
X Thermo-Matic
T Tef-Matic (2-piece)
B Versa-Tuff (1-piece)
F FUSION (one-piece
integrated plate)

Valve Ball Material Valve	Seat/Valve Seat O-Ring Material	Construction Design
1 Neoprene	1 Neoprene	9 Bolted
2 Nitrile	2 Nitrile	0 Clamped
3 (FKM) Fluorocarbon	3 (FKM) Fluorocarbon	
4 EPDM	4 EPDM	Design Level
5 PTFE	5 PTFE	Α
6 Santoprene XL	6 Santoprene XL	С
7 Hytrel	7 Hytrel	
8 Polyurethane	8 Polyurethane	
9 Geolast	9 Geolast	
A Acetal	A Aluminum w/ PTFE O-Rings	
S Stainless Steel	S Stainless Steel w/ PTFE O-Rings	
Y FDA Santoprene	C Carbon Steel w/ PTFE O-Rings	
	H Alloy C w/ PTFE O-Rings	

	0 Clamped
	Design Level A C
js	

Miscellaneous Options
B BSP Tapered Thread
CP Center Port
ATEX ATEX Compliant
FP Food Processing
SP Sanitary Pump
HP High Pressure
OE Original Elima-Matic
F Flap Valve
HD Havinantal Disabases

HD Horizontal Discharge 3A 3-A Certified **UL** UL Listed **OB** Oil Bottle

*More than one option may be specified for a particular pump model.



Materials

Material Profile:		Operating Temperatures:	
CAUTION! Operating temperature limitations are as follows:	Max.	Min.	
Conductive Acetal: Tough, impact resistant, ductile. Good abrasion resistance and low friction surface. Generally inert, with good chemical resistance except for strong acids and oxidizing agents.		-20°F -29°C	
EPDM: Shows very good water and chemical resistance. Has poor resistance to oils and solvents, but is fair in ketones and alcohols.	280°F 138°C	-40°F -40°C	
FKM: (Fluorocarbon) Shows good resistance to a wide range of oils and sovents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Hot water or hot aqueous solutions (over 70°F) will attack FKM.	350°F 177°C	-40°F -40°C	
Hytrel®: Good on acids, bases, amines and glycols at room temperatures only.	220°F 104°C	-20°F -29°C	
Neoprene: All purpose. Resistance to vegetable oils. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters and nitro hydrocarbons and chlorinated aromatic hydrocarbons.	200°F 93°C	-10°F -23°C	
Nitrile: General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	190°F 88°C	-10°F -23°C	
Nylon: 6/6 High strength and toughness over a wide temperature range. Moderate to good resistance to fuels, oils and chemicals.	180°F 82°C	32°F 0°C	

Ambient temperature range	-20 C to +40 C

Process temperature range -20 C to +80 C for models rated as category 1 equipment -20 c to +100 C for model rated as category 2 equipment

Polypropylene: A thermoplastic polymer. Moderate tensile and flex strength. Resists stong acids and alkali. Attacked by chlorine, fuming nitric acid and other strong oxidizing agents.	180°F 82°C	32°F 0°C
PVDF: (Polyvinylidene Fluoride) A durable fluoroplastic with excellent chemical resistance. Excellent for UV applications. High tensile strength and impact resistance.		0°F -18°C
Santoprene®: Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.	275°F 135°C	-40°F -40°C
UHMW PE: A thermoplastic that is highly resistant to a broad range of chemicals. Exhibits outstanding abrasion and impact resistance, along with environmental stress-cracking resistance.		-35°F -37°C
Urethane: Shows good resistance to abrasives. Has poor resistance to most solvents and oils.	150°F 66°C	32°F 0°C
Virgin PTFE: (PFA/TFE) Chemically inert, virtually impervious. Very few chemicals are known to chemically react with PTFE; molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures.	220°F 104°C	-35°F -37°C

Maximum and Minimum Temperatures are the limits for which these materials can be operated. Temperatures coupled with pressure affect the longevity of diaphragm pump components. Maximum life should not be expected at the extreme limits of the temperature ranges.

Metals:

Alloy C: Equal to ASTM494 CW-12M-1 specification for nickel and nickel alloy.

Stainless Steel: Equal to or exceeding ASTM specification A743 CF-8M for corrosion resistant iron chromium, iron chromium nickel and nickel based alloy castings for general applications. Commonly referred to as 316 Stainless Steel in the pump industry.

For specific applications, always consult the Chemical Resistance Chart.

In addition, the ambient temperature range and the process temperature range do not exceed the operating temperature range of the applied non-metallic parts as listed in the manuals of the pumps.

AFTERMARKET PARTS

RIGHT PART, RIGHT NOW

Pumper Parts is your single source for parts that fit Air-Operated Double Diaphragm (AODD) pumps

- Wilden®
- ARO®
- Yamada®

Designed to perform equal to or greater than original equipment manufacture.



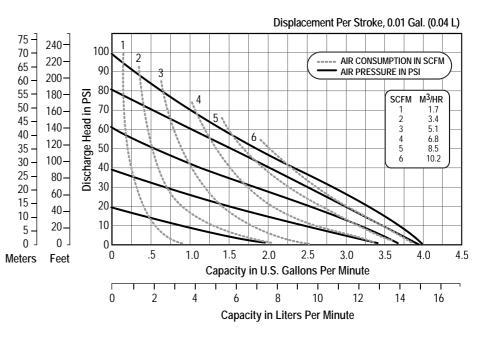
Phone: (419) 526-7296 info@pumperparts.com www.pumperparts.com

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Performance

E6 1/4" Bolted Metal

Flow Rate
Adjustable to 0-4 gpm (15 lpm)
Port Size
Suction 3/8" NPT (BSP)
Discharge 3/8" NPT (BSP)
Air Inlet
Air Exhaust
Suction Lift
Dry 8' (2.44 m)
Max Solid Size (Diameter)
1/32" (1 mm)
Max Noise Level
Shipping Weights
Polypropylene 3 lbs (1.40 kg)
Kynar 4.5 lbs. (2.04 kg)



NOTE: Performance based on the following: Elastomeric fitted pump, flooded suction, water at ambient conditions. The use of other materials and varying hydraulic conditions may result in deviations in excess of 5%.

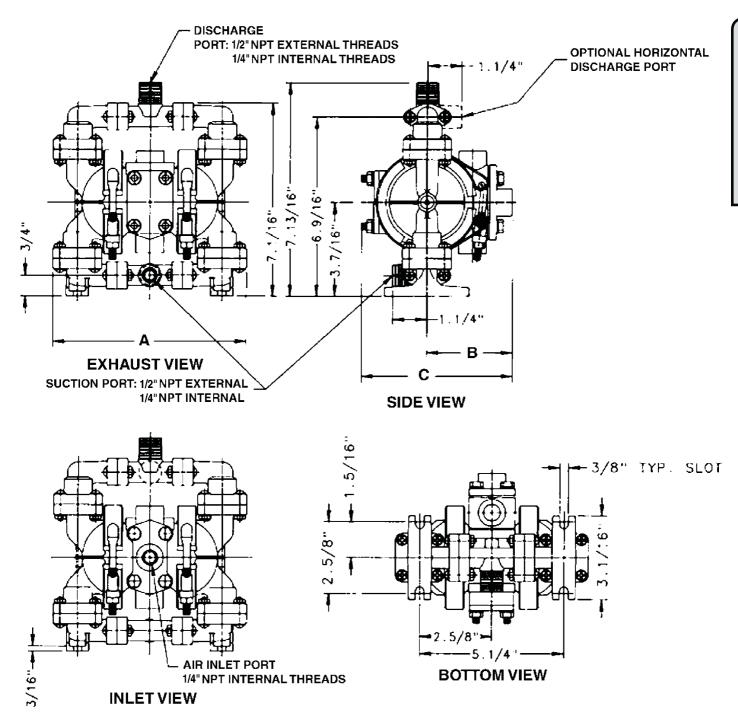


Dimensional Drawings

E6 Non-Metallic Bolted

Dimensions in inches (mm dimensions in brackets).

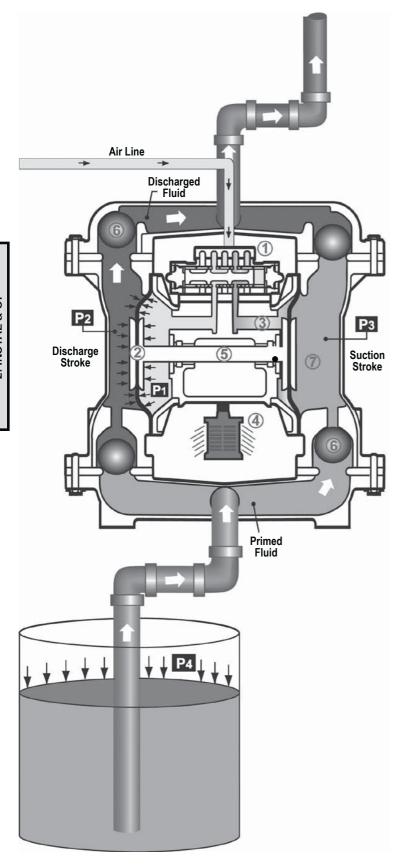
The dimensions on this drawing are for reference only. A certified drawing can be requested if physical dimensions are needed.



Dimension	Α	В	С
Standard	7"	3.1/8"	5.1/2"
Pulse Output Kit	9"	3.9/16"	5.15/16"



Principle of Pump Operation



Air-Operated Double Diaphragm (AODD) pumps are powered by compressed air, nitrogen or natural gas.

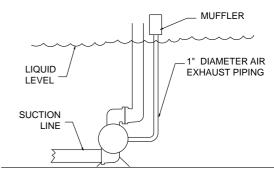
The main directional (air) control valve ① distributes compressed air to an air chamber, exerting uniform pressure over the inner surface of the diaphragm ②. At the same time, the exhausting air ③ from behind the opposite diaphragm is directed through the air valve assembly(s) to an exhaust port ④.

As inner chamber pressure **(P1)** exceeds liquid chamber pressure **(P2)**, the rod ⑤ connected diaphragms shift together creating discharge on one side and suction on the opposite side. The discharged and primed liquid's directions are controlled by the check valves (ball or flap)⑥ orientation.

The pump primes as a result of the suction stroke. The suction stroke lowers the chamber pressure **(P3)** increasing the chamber volume. This results in a pressure differential necessary for atmospheric pressure **(P4)** to push the fluid through the suction piping and across the suction side check valve and into the outer fluid chamber T.

Suction (side) stroking also initiates the reciprocating (shifting, stroking or cycling) action of the pump. The suction diaphragm's movement is mechanically pulled through its stroke. The diaphragm's inner plate makes contact with an actuator plunger aligned to shift the pilot signaling valve. Once actuated, the pilot valve sends a pressure signal to the opposite end of the main directional air valve, redirecting the compressed air to the opposite inner chamber.

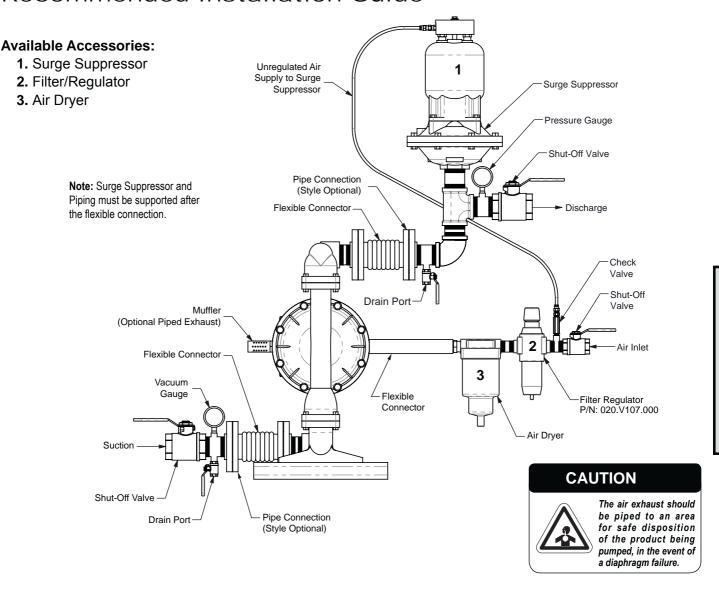
SUBMERGED ILLUSTRATION



Pump can be submerged if the pump materials of construction are compatible with the liquid being pumped. The air exhaust must be piped above the liquid level. When the pumped product source is at a higher level than the pump (flooded suction condition), pipe the exhaust higher than the product source to prevent siphoning spills.



Recommended Installation Guide



Installation And Start-Up

Locate the pump as close to the product being pumped as possible. Keep the suction line length and number of fittings to a minimum. Do not reduce the suction line diameter.

Connect the pump air inlet to an air supply with sufficient capacity and pressure to achieve desired performance. A pressure regulating valve should be installed to insure air supply pressure does not exceed recommended limits.

Air Valve Lubrication

The air distribution system is designed to operate WITHOUT lubrication. This is the standard mode of operation. If lubrication is desired, install an air line lubricator set to deliver one drop of SAE 10 non-detergent oil for every 20 SCFM (9.4 liters/sec.) of air the pump consumes. Consult the Performance Curve to determine air consumption.

Water in the compressed air supply may cause icing or freezing of the exhaust air, causing the pump to cycle erratically or stop operating. Water in the air supply can be reduced by using a point-of-use air dryer.

Air Inlet And Priming

To start the pump, slightly open the air shut-off valve. After the pump primes, the air valve can be opened to increase air flow as desired. If opening the valve increases cycling rate, but does not increase the rate of flow, cavitation has occurred. The valve should be closed slightly to obtain the most efficient air flow to pump flow ratio.



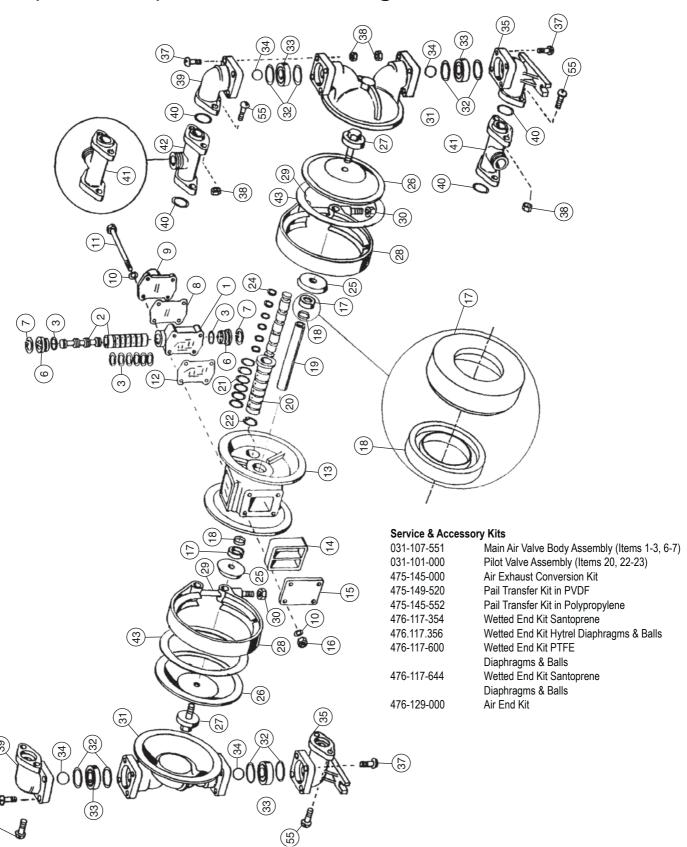
Troubleshooting Guide

Symptom:	Potential Cause(s):	Recommendation(s):
Pump Cycles Once	Deadhead (system pressure meets or exceeds air supply pressure).	Increase the inlet air pressure to the pump. Pump is designed for 1:1 pressure ratio at zero flow. (Does not apply to high pressure 2:1 units).
	Air valve or intermediate gaskets installed incorrectly.	Install gaskets with holes properly aligned.
	Bent or missing actuator plunger.	Remove pilot valve and inspect actuator plungers.
Pump Will Not Operate	Pump is over lubricated.	Set lubricator on lowest possible setting or remove. Units are designed for lube free operation.
/ Cycle	Lack of air (line size, PSI, CFM).	Check the air line size and length, compressor capacity (HP vs. cfm required).
	Check air distribution system.	Disassemble and inspect main air distribution valve, pilot valve and pilot valve actuators.
	Discharge line is blocked or clogged manifolds.	Check for inadvertently closed discharge line valves. Clean discharge manifolds/piping.
	Deadhead (system pressure meets or exceeds air supply pressure).	Increase the inlet air pressure to the pump. Pump is designed for 1:1 pressure ratio at zero flow. (Does not apply to high pressure 2:1 units).
	Blocked air exhaust muffler.	Remove muffler screen, clean or de-ice, and re-install.
	Pumped fluid in air exhaust muffler.	Disassemble pump chambers. Inspect for diaphragm rupture or loose diaphragm plate assembly.
	Pump chamber is blocked.	Disassemble and inspect wetted chambers. Remove or flush any obstructions.
Pump Cycles and Will	Cavitation on suction side.	Check suction condition (move pump closer to product).
Not Prime or No Flow	Check valve obstructed. Valve ball(s) not seating properly or sticking.	Disassemble the wet end of the pump and manually dislodge obstruction in the check valve pocket. Clean out around valve ball cage and valve seat area. Replace valve ball or valve seat if damaged. Use heavier valve ball material.
	Valve ball(s) missing (pushed into chamber or manifold).	Worn valve ball or valve seat. Worn fingers in valve ball cage (replace part). Check Chemical Resistance Guide for compatibility.
	Valve ball(s)/seat(s) damaged or attacked by product.	Check Chemical Resistance Guide for compatibility.
	Check valve and/or seat is worn or needs adjusting.	Inspect check valves and seats for wear and proper setting. Replace if necessary.
	Suction line is blocked.	Remove or flush obstruction. Check and clear all suction screens or strainers.
	Excessive suction lift.	For lifts exceeding 20' of liquid, filling the chambers with liquid will prime the pump in most cases.
	Suction side air leakage or air in product.	Visually inspect all suction-side gaskets and pipe connections.
	Pumped fluid in air exhaust muffler.	Disassemble pump chambers. Inspect for diaphragm rupture or loose diaphragm plate assembly.
Pump Cycles Running	Over lubrication.	Set lubricator on lowest possible setting or remove. Units are designed for lube free operation.
Sluggish/Stalling,	Icing.	Remove muffler screen, de-ice, and re-install. Install a point of use air drier.
Flow Unsatisfactory	Clogged manifolds.	Clean manifolds to allow proper air flow
Trow onsulistactory	Deadhead (system pressure meets or exceeds air supply pressure).	Increase the inlet air pressure to the pump. Pump is designed for 1:1 pressure ratio at zero flow. (Does not apply to high pressure 2:1 units).
	Cavitation on suction side.	Check suction (move pump closer to product).
	Lack of air (line size, PSI, CFM).	Check the air line size, length, compressor capacity.
	Excessive suction lift.	For lifts exceeding 20' of liquid, filling the chambers with liquid will prime the pump in most cases.
	Air supply pressure or volume exceeds system hd.	Decrease inlet air (press. and vol.) to the pump. Pump is cavitating the fluid by fast cycling.
	Undersized suction line.	Meet or exceed pump connections.
	Restrictive or undersized air line.	Install a larger air line and connection.
	Suction side air leakage or air in product.	Visually inspect all suction-side gaskets and pipe connections.
	Suction line is blocked.	Remove or flush obstruction. Check and clear all suction screens or strainers.
	Pumped fluid in air exhaust muffler.	Disassemble pump chambers. Inspect for diaphragm rupture or loose diaphragm plate assembly.
	Check valve obstructed.	Disassemble the wet end of the pump and manually dislodge obstruction in the check valve pocket.
	Check valve and/or seat is worn or needs adjusting.	Inspect check valves and seats for wear and proper setting. Replace if necessary.
	Entrained air or vapor lock in chamber(s).	Purge chambers through tapped chamber vent plugs. Purging the chambers of air can be dangerous.
Product Leaking	Diaphragm failure, or diaphragm plates loose.	Replace diaphragms, check for damage and ensure diaphragm plates are tight.
Through Exhaust	Diaphragm stretched around center hole or bolt holes.	Check for excessive inlet pressure or air pressure. Consult Chemical Resistance Chart for compatibility with products, cleaners, temperature limitations and lubrication.
Premature Diaphragm	Cavitation.	Enlarge pipe diameter on suction side of pump.
Failure	Excessive flooded suction pressure.	Move pump closer to product. Raise pump/place pump on top of tank to reduce inlet pressure. Install Back pressure device (Tech bulletin 41r). Add accumulation tank or pulsation dampener.
	Misapplication (chemical/physical incompatibility).	Consult Chemical Resistance Chart for compatibility with products, cleaners, temperature limitations and lubrication.
	Incorrect diaphragm plates or plates on backwards, installed incorrectly or worn.	Check Operating Manual to check for correct part and installation. Ensure outer plates have not been worn to a sharp edge.
Unbalanced Cycling	Excessive suction lift.	For lifts exceeding 20' of liquid, filling the chambers with liquid will prime the pump in most cases.
	Undersized suction line.	Meet or exceed pump connections.
	Pumped fluid in air exhaust muffler.	Disassemble pump chambers. Inspect for diaphragm rupture or loose diaphragm plate assembly.
	Suction side air leakage or air in product.	Visually inspect all suction-side gaskets and pipe connections.
	Check valve obstructed.	Disassemble the wet end of the pump and manually dislodge obstruction in the check valve pocket.
	Check valve and/or seat is worn or needs adjusting.	Inspect check valves and seats for wear and proper setting. Replace if necessary.
	Entrained air or vapor lock in chamber(s).	Purge chambers through tapped chamber vent plugs.
		1. s. 30 s.

For additional troubleshooting tips contact After Sales Support at service.warrenrupp@idexcorp.com or 419-524-8388

VERSA-MATIC®
e6nmdlCsm-rev0913

Composite Repair Parts Drawing





Composite Repair Parts List

Item	Otv	Description	Part Number
	Qty.		
2	1	Body, Main Air Valve	095-077-551
		Sleeve & Spool Set	031-106-000
3	8	O-Rings	560-101-360
6	2	Cap, End with O-Ring	165-074-551
7	2	Ring, Retaining	675-051-115
8	1	Gasket, Valve Body	360-085-360
9	1	Cap, Air Inlet	165-072-551
10	8	Washer, Flat 1/4"	901-037-115
11	4	Capscrew, Hex Head 1/4-20 5" Long	170-103-115
12	1	Gasket, Intermediate Bracket	360-084-360
13	1	Intermediate, Bracket	114-019-551
14	1	Muffler	530-022-550
15	1	Cap, Air Exhaust	165-073-551
16	4	Nut, Hex 1/4-20 UNC	545-003-115
17	2	Insert, Gland	449-021-551
18	2	Seal, K-R	720-031-359
19	1	Rod, Diaphragm	685-046-120
20	1	Sleeve, Pilot Valve with O-Rings	755-038-000
21	6	O-Rings	560-066-360
22	1	Ring, Retaining - Pilot Valve Sleeve	678-047-115
23	1	Spool, Pilot Valve O-Rings	775-038-000
24	6	O-Rings	560-029-374
25	2	Plate, Inner Diaphragm	612-147-150
26	2	Diaphragm	286-069-354
	2	Diaphragm	268.069.356
	2	Diaphragm	286-070-600
27	2	Plate, Outer Diaphragm	612-146-520
	2	Plate, Outer Diaphragm	612-146-552
28	2	Clamp, V-Band	200-057-115
29	2	T-Bolt	100-002-115
30	2	Nut, Hex 1/4-28 UNF	545-027-337
31	2	Chamber, Outer	196-145-520
-	2	Chamber, Outer	196-145-552
32	8	Seal, Check Valve	720-032-600
33	4	Seat, Check Valve	722-073-520
	4	Seat, Check Valve	722-073-552
34	4	Ball, Check	050-033-354
<u> </u>	4	Ball, Check	050.033.356
	4	Ball, Check	050-034-600
35	2	Elbow, Suction	312-095-520
- 55	2	Elbow, Suction	312-095-552
37	24	Screw, Machine 10-32 UNF x 1" Long	706-023-115
38	16	Nut, Hex Flange 10-32 UNF	544-004-115
39	2	Elbow, Discharge	312-096-520
00	2	Elbow, Discharge	312-096-552
40	4	Seal, Manifold	520-033-600
41	1/2	Manifold, Horizontal (Optional Discharge)	518-127-520
71	1/2	Manifold, Horizontal (Optional Discharge) Manifold, Horizontal (Optional Discharge)	518-127-552
42		Manifold, Vertical	518-128-520
42	1	Manifold, Vertical Manifold, Vertical	516-126-520
43	2	Gasket, Sealing	360-086-360
55 55	8	Screw, Machine 10-32 UNF x .88 Long	706-023-115
აა	υ	Screw, Machine 10-32 DINE X .00 LUNG	100-025-113



Solenoid Shifted Option Drawing

SOLENOID SHIFTED AIR VALVE PARTS LIST

(Includes all items used on Composite Repair Parts List except as shown)

	(
ITEM PART NUMBER			DESCRIPTION	QTY			
	22	675-047-115	Ring, Retaining - Pilot Plug Sleeve	2			
	44	755-037-000	Pilot Plug Sleeve with O-rings	1			
	45	360-106-360	Gasket, Intermediate Bracket	1			
	46	241-001-000	Connector, conduit	1			
	47	893-095-000	Solenoid Valve, NEMA 4	1			
	48	219-001-000	Solenoid Coil, 24 VDC	1			
		219-004-000	Solenoid Coil, 24 VAC/12 VDC	1			
		219-002-000	Solenoid Coil, 120 VAC	1			
		219-003-000	Solenoid Coil, 240 VAC	1			
	49	866-068-000	Tube Fitting	1			
	50	538-083-555	Nipple	1			
	51	835-009-555	Tee, Pipe	1			
	52	860-062-540	Tubing	1			
	53	866-069-000	Tube Fitting	1			

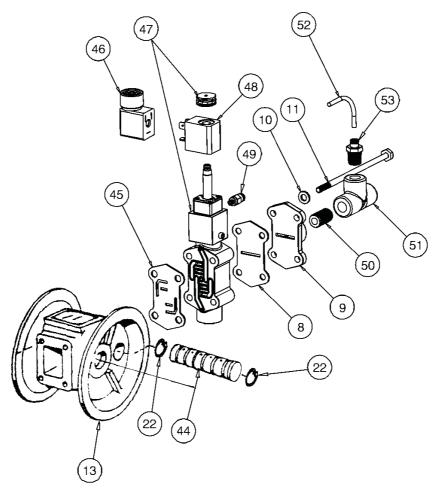
ASSEMBLY INSTRUCTIONS: MUST BE PERFORMED PRIOR TO START-UP.

The tee (item 51), nipple (item 50), fitting (item 53) and tubing (item 52) have been pre-assembled at the factory. Thread this assembly into the air inlet cap (item 9). Be careful not to over tighten. Push the free end of the tubing into the fitting (item 49) which is attached to the valve.

For Explosion Proof Solenoid Valve

(Connector not required for explosion proof coil; coil is integral with valve)

(000	0101 1101 10 quii 0 u 11	on process processom, con le innegran inn	
47	893-096-001	Solenoid Valve, NEMA 7/9, 24VDC	1
	893-096-002	Solenoid Valve, NEMA 7/9,	1
		24VAC/12VDC	
	893-096-003	Solenoid Valve, NEMA 7/9, 120VAC	1
	893-096-004	Solenoid Valve, NEMA 7/9, 240VAC	1





SOLENOID SHIFTED AIR DISTRIBUTION VALVE OPTION

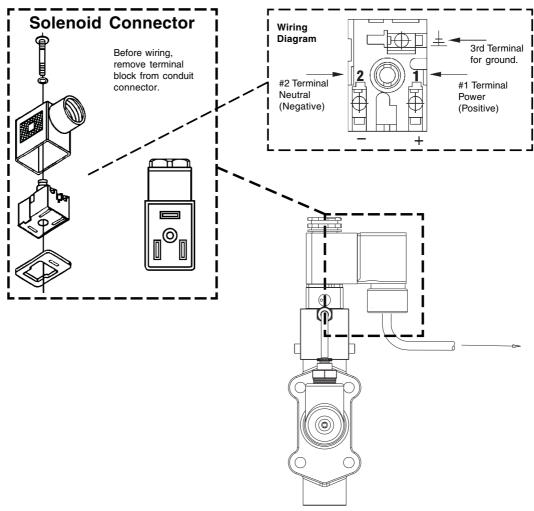
Versa-Matic's solenoid shifted, air distribution valve option utilizes electrical signals to precisely control your pump's speed. The solenoid coil is connected to the Versa-Matic Solenoid Rate Controller/Batch Control, or a customer - supplied control. Compressed air provides the pumping power, while electrical signals control pump speed (pumping rate).

OPERATION

The Solenoid Shifted Versa-Matic pump has a solenoid operated, air distribution valve in place of the standard Versa-Matic's pilot operated, air distribution valve. Where a pilot valve is normally utilized to cycle the pump's air distribution valve, an electric solenoid is utilized. As the solenoid is powered, one of the pump's air chambers is pressurized while the other chamber is exhausted. When electric power is turned off, the solenoid shifts and the pressurized chamber is exhausted while the other chamber is pressurized. By alternately applying and removing power to the solenoid, the pump cycles much like a standard pump, with one exception. This option provides a way to precisely control and monitor pump speed.

BEFORE INSTALLATION

Before wiring the solenoid, make certain it is compatible with your system voltage.



DECLARATION OF CONFORMIT

DECLARATION DE CONFORMITE • DECLARACION DE CONFORMIDAD • ERKLÄRUNG BEZÜGLICH EINHALTUNG DER VORSCHRIFTEN DICHIARAZIONE DI CONFORMITÀ • CONFORMITEITSVERKLARING • DEKLARATION OM ÖVERENSSTÄMMELSE EF-OVERENSSTEMMELSESERKLÆRING • VAATIMUSTENMUKAISUUSVAKUUTUS • SAMSVARSERKLÄRING DECLARAÇÃO DE CONFORMIDADE

MANUFACTURED BY:

FABRIQUE PAR: FABRICADA POR HERGESTELLT VON: FABBRICATO DA: VERVAARDIGD DOOR: TILLVERKAD AV: FABRIKANT: VALMISTAJA:

PRODUSENT: FABRICANTE: VERSA-MATIC®

Warren Rupp, Inc. A Unit of IDEX Corporation 800 North Main Street P.O. Box 1568

Mansfield, OH 44901-1568 USA

Tel: 419-526-7296 Fax: 419-526-7289



PUMP MODEL SERIES: E SERIES, V SERIES, VT SERIES, VSMA3, SPA15,

RE SERIES AND U2 SERIES This product complies with the following European Community Directives:

Ce produit est conforme aux directives de la Communauté européenne suivantes: Este producto cumple con las siguientes Directrices de la Comunidad Europea:

Dieses produkt erfüllt die folgenden Vorschriften der Europäischen Gemeinschaft:

Questo prodotto è conforme alle seguenti direttive CEE:

Dir produkt voldoet aan de volgende EG-richtlijnen:

Denna produkt överensstämmer med följande EU direktiv:

Versa-Matic, Inc., erklærer herved som fabrikant, at ovennævnte produkt er i overensstemmelse med bestemmelserne i Direkktive:

Tämä tuote täyttää seuraavien EC Direktiivien vaatimukstet:

Dette produkt oppfyller kravene til følgende EC Direktiver: Este produto está de acordo com as seguintes Directivas comunitárias:

This product has used the following harmonized standards to verify conformance:

Ce materiel est fabriqué selon les normes harmonisées suivantes, afin d' en garantir la conformité:

Este producto cumple con las siguientes directrices de la comunidad europa:

Dieses produkt ist nach folgenden harmonisierten standards gefertigtworden, die übereinstimmung wird bestätigt:

Questo prodotto ha utilizzato i seguenti standards per verificare la conformita':

De volgende geharmoniseerde normen werden gehanteerd om de conformiteit van dit produkt te garanderen:

För denna produkt har följande harmoniserande standarder använts för att bekräfta överensstämmelse:

Harmoniserede standarder, der er benyttet:

Tässä tuotteessa on sovellettu seuraavia yhdenmukaistettuja standardeja:

Dette produkt er produsert i overenstemmelse med fløgende harmoniserte standarder:

Este produto utilizou os seguintes padrões harmonizados para varificar conformidade:

AUTHORIZED/APPROVED BY:

Approuve par: Aprobado por: Genehmigt von: approvato da: Goedgekeurd door: Underskrift: Valtuutettuna: Bemyndiget av: Autorizado Por:

04/19/2012 REV 07

Dave Roseberry **Engineering Manager** **DATE: August 10, 2011**

FECHA: DATUM: DATA: DATO: PÄIVÄYS:

2006/42/EC

EN809:1998+

A1:2009

to Annex VIII

on Machinery, according

