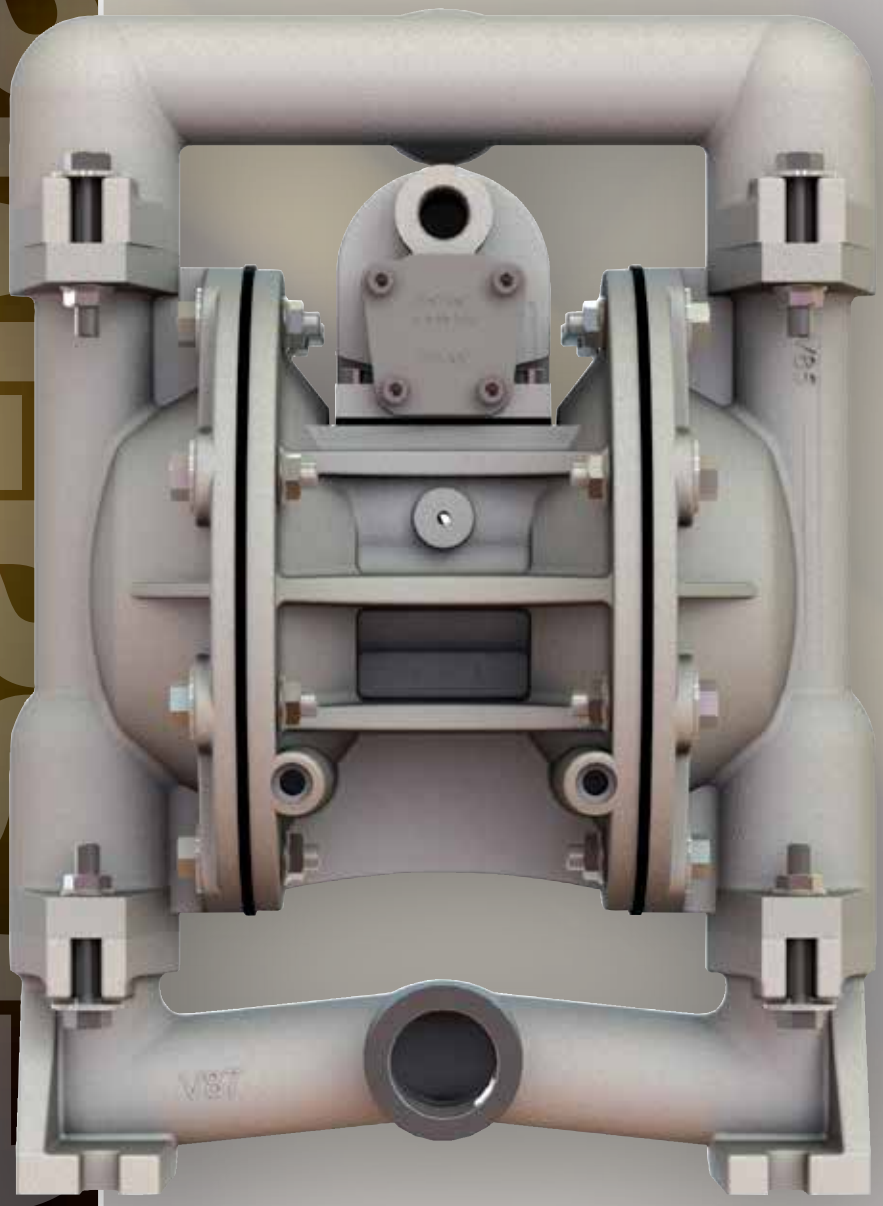
Versa-Matic SOLUTIONS

1" (25.4 mm) Metallic Bolted

E1

VERSA-MATIC® E1

Experience Superior Performance



Multiple Porting Options

Top, side and end porting
for both inlet and discharge

Shoe Valve Technology

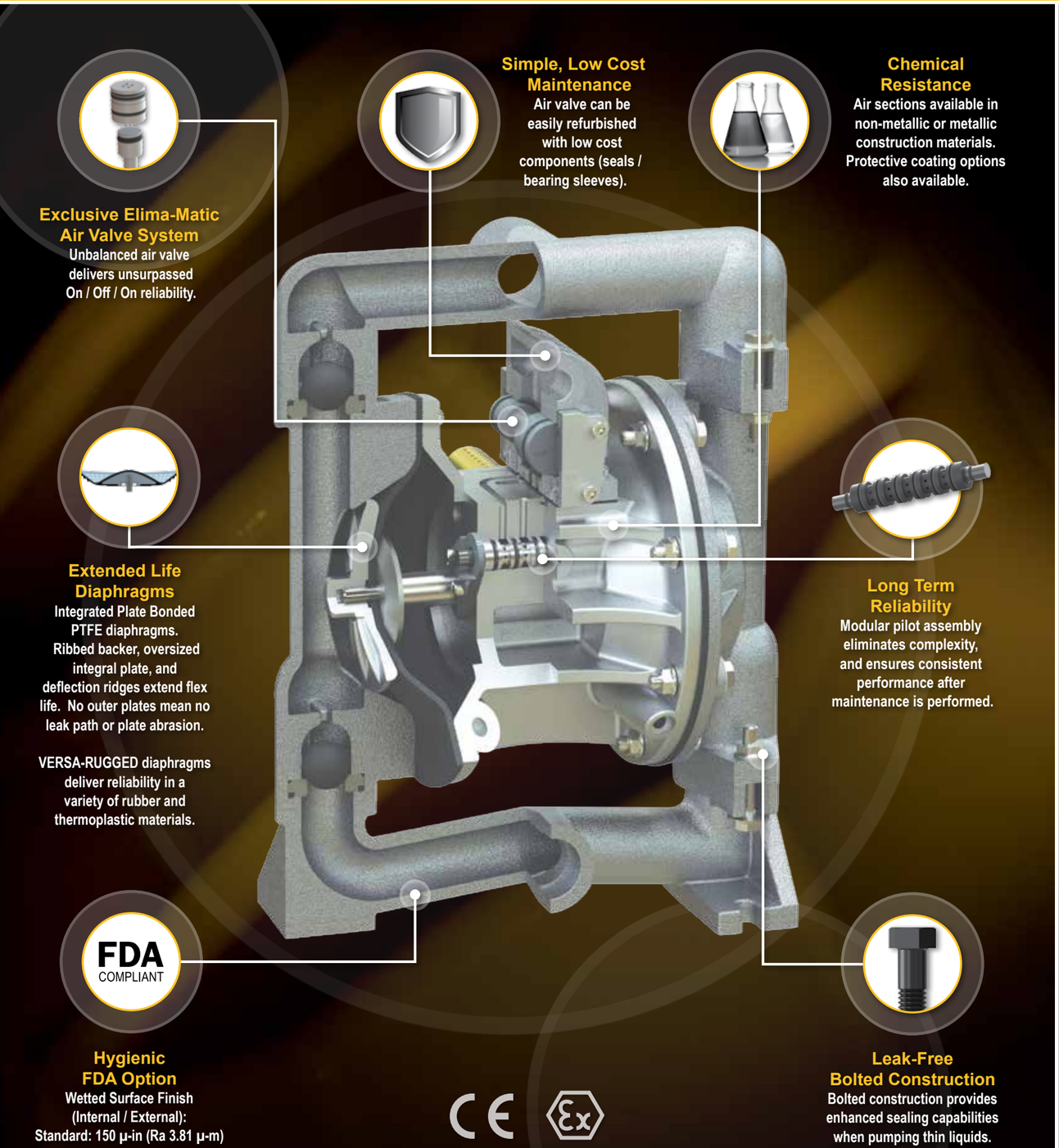
On / Off / On reliability,
with no costly air blow-by
for excellent air efficiency

Available Materials

Aluminum
Stainless Steel
Hastelloy

VERSAMATIC.COM/E1

IDEX



Exclusive Elima-Matic Air Valve System
Unbalanced air valve delivers unsurpassed On / Off / On reliability.

Simple, Low Cost Maintenance
Air valve can be easily refurbished with low cost components (seals / bearing sleeves).

Chemical Resistance
Air sections available in non-metallic or metallic construction materials. Protective coating options also available.

Extended Life Diaphragms
Integrated Plate Bonded PTFE diaphragms. Ribbed backer, oversized integral plate, and deflection ridges extend flex life. No outer plates mean no leak path or plate abrasion.

VERSA-RUGGED diaphragms deliver reliability in a variety of rubber and thermoplastic materials.

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

FDA COMPLIANT

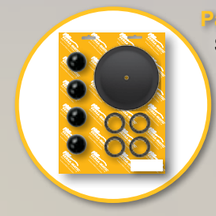
Hygienic FDA Option
Wetted Surface Finish (Internal / External):
Standard: 150 µ-in (Ra 3.81 µ-m)

Leak-Free Bolted Construction
Bolted construction provides enhanced sealing capabilities when pumping thin liquids.

Accessories / Kits:

Protect Your Investment and Increase Uptime

Filter / Regulator
Clean dry air for optimum performance and longevity. Automatic drain for maintenance free operation.



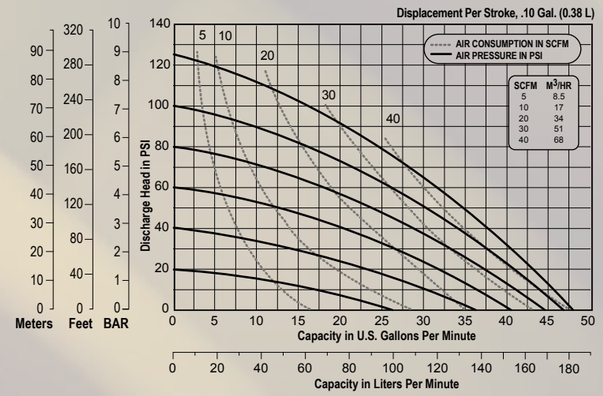
Parts Kits
Save time and money with compete parts kits. Repair it once, repair it right.

Performance:

E1 1” Bolted Metal
Rubber and TPE Fitted

Flow Rate
Adjustable to . . . . . 0-49 gpm (185.5 lpm)
Port Size
Suction . . . . . 1” NPT (25.4 mm)
Discharge . . . . . 1” NPT (25.4 mm)
Air Inlet . . . . . 3/8” NPT (9.5 mm)
Air Exhaust . . . . . 1/2” NPT (12.7 mm)
Suction Lift
Dry . . . . . 15’ (4.6 m)
Wet . . . . . 31’ (9.4 m)
Max Solid Size (Diameter) . . 1/8” (3.2 mm)
Max Noise Level . . . . . 91 dB(A)
Shipping Weights
Aluminum . . . . . 27 lbs (12.2 kg)
Stainless Steel . . . . . 40 lbs (18.1 kg)
Alloy C . . . . . 40 lbs (18.1 kg)

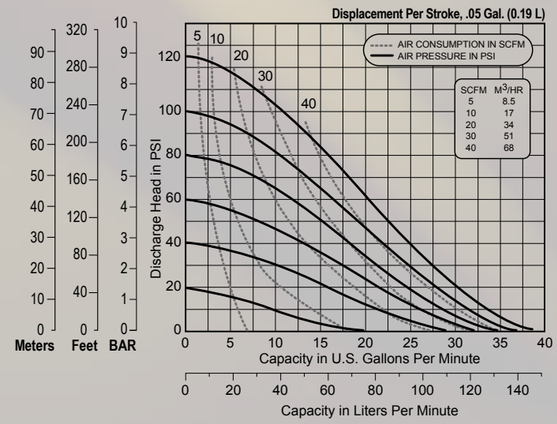
Curves:



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%.

E1 1" Bolted Metal
PTFE Fitted

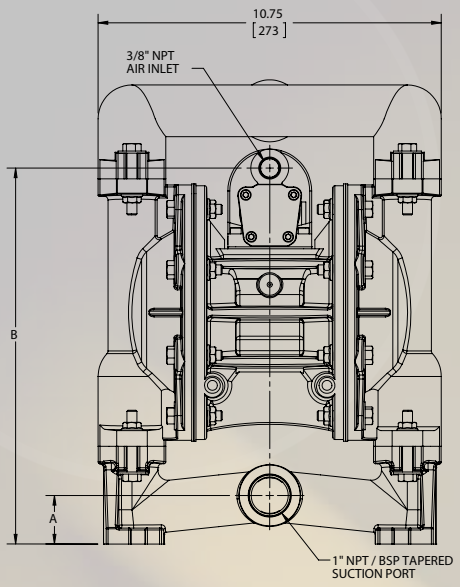
Flow Rate
Adjustable to . . . . . 0-38 gpm (143.8 lpm)
Port Size
Suction . . . . . 1” NPT (25.4 mm)
Discharge . . . . . 1” NPT (25.4 mm)
Air Inlet . . . . . 3/8” NPT (9.5 mm)
Air Exhaust . . . . . 1/2” NPT (12.7 mm)
Suction Lift
Dry . . . . . 8’ (2.4 m)
Wet . . . . . 31’ (9.4 m)
Max Solid Size (Diameter) . . 1/8” (3.2 mm)
Max Noise Level . . . . . 95 dB(A)
Shipping Weights
Aluminum . . . . . 27 lbs (12.2 kg)
Stainless Steel . . . . . 40 lbs (18.1 kg)
Alloy C . . . . . 40 lbs (18.1 kg)

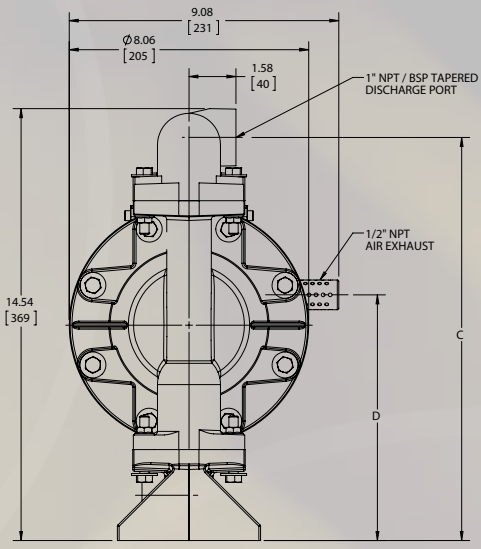


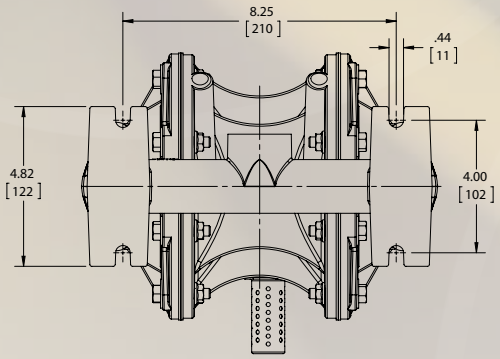
NOTE: Performance based on the following: elastomeric fitted pump, flooded suction, water at ambient conditions. The use of other materials and varying hydraulic conditions may result in deviations in excess of 5%.

Dimensional Drawings:

E1 Metallic Bolted



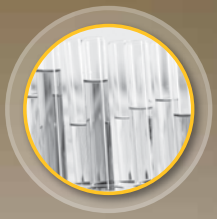




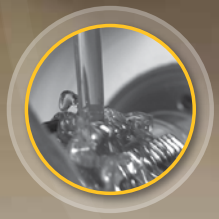
	ALUMINUM	STAINLESS STEEL ALLOY "C"
A	1.52 [39]	1.65 [42]
B	11.78 [299]	11.90 [302]
C	13.57 [345]	13.73 [349]
D	8.27 [218]	8.35 [212]

Dimensions in Inches [mm]
Tolerance: ±1/8" [± 3mm]

Industries & Applications



Chemical
Drum transfer, chemical injection, chemical batching



Lubrication
Dispensing of oil, windshield solvent, transmission fluid, and antifreeze

Printing
Ink dispensing, apply glue

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