

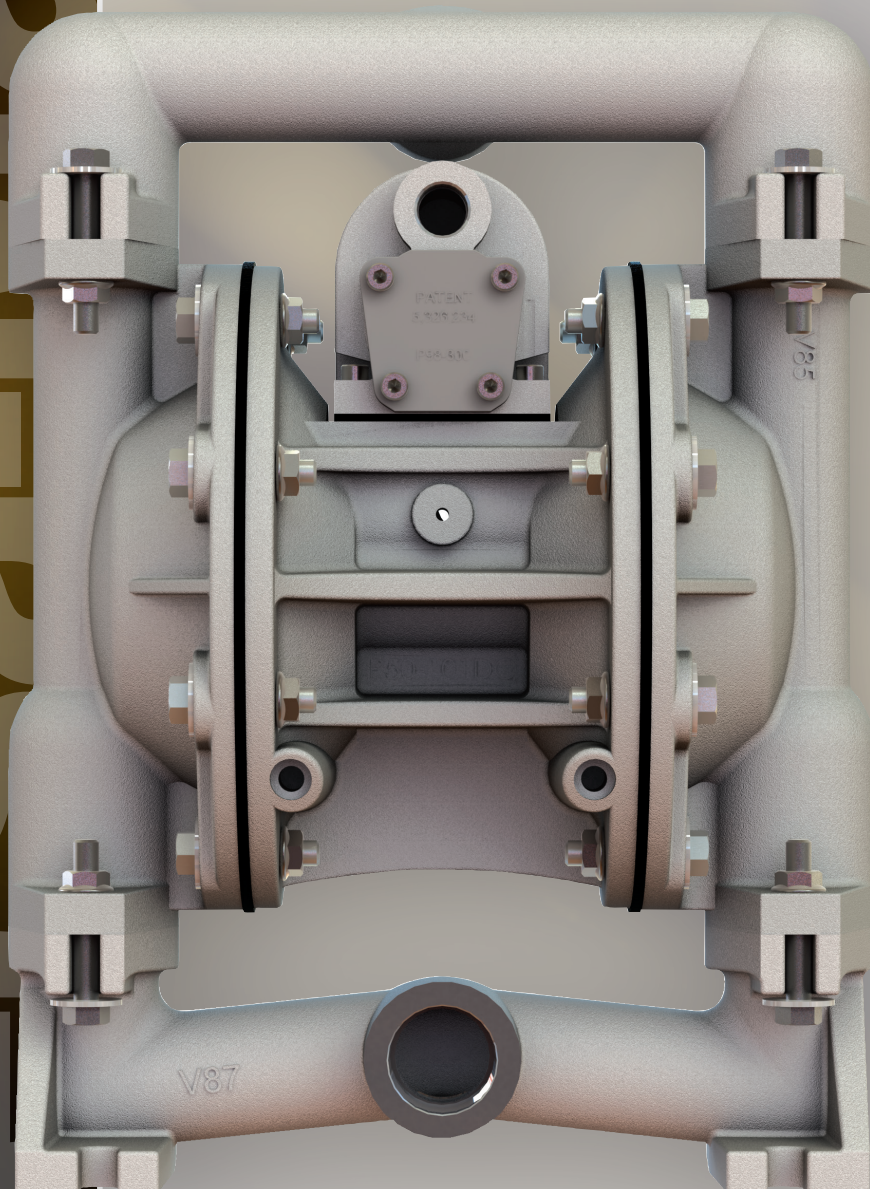


1" (25.4 mm) Metallic Bolted

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



Features & Benefits

E1 1" Metallic Bolted



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

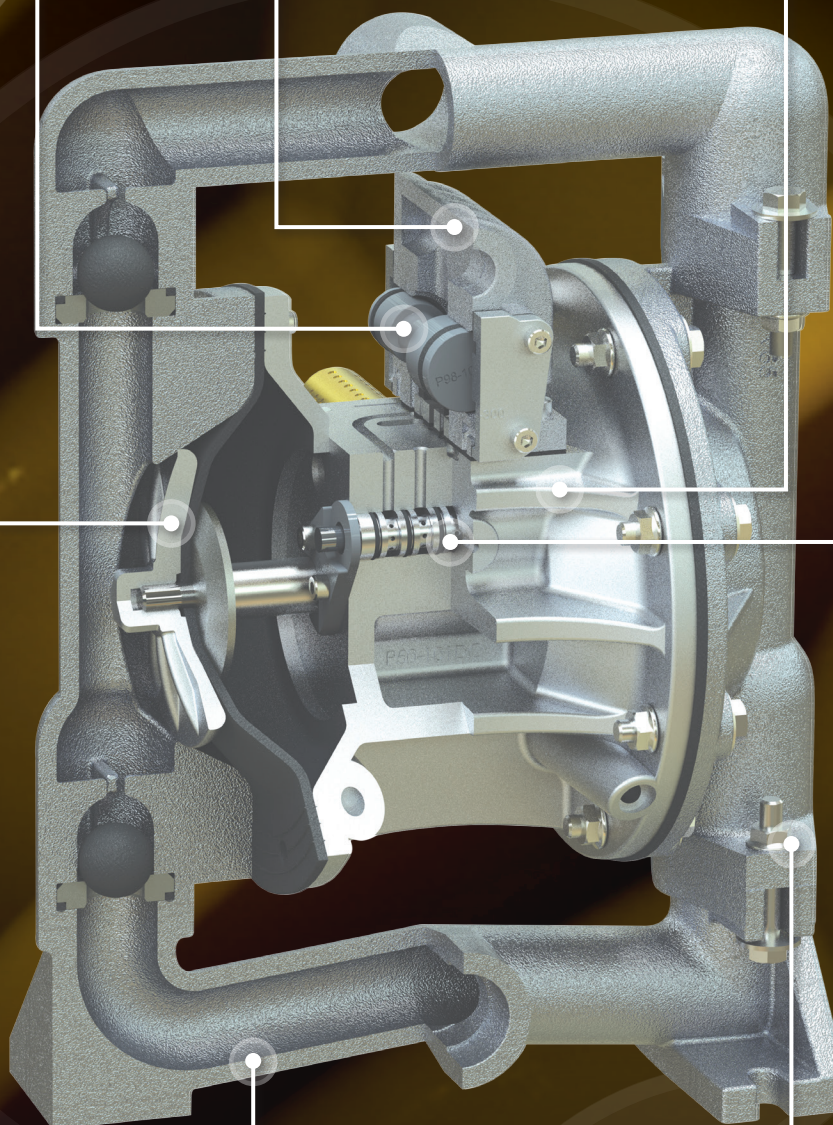
Hygienic FDA Option

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.



Specifications

E1 1" Metallic Bolted

E1

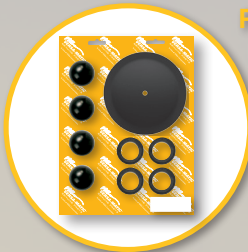
Accessories / Kits:

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 complete 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)

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)

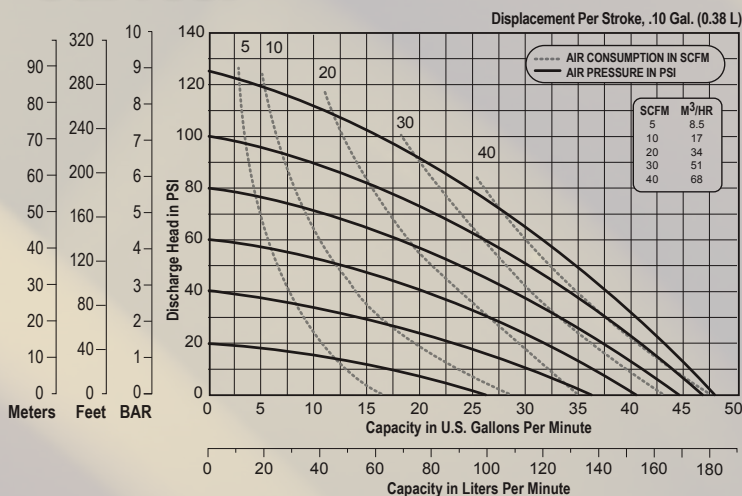
Shipping Weights

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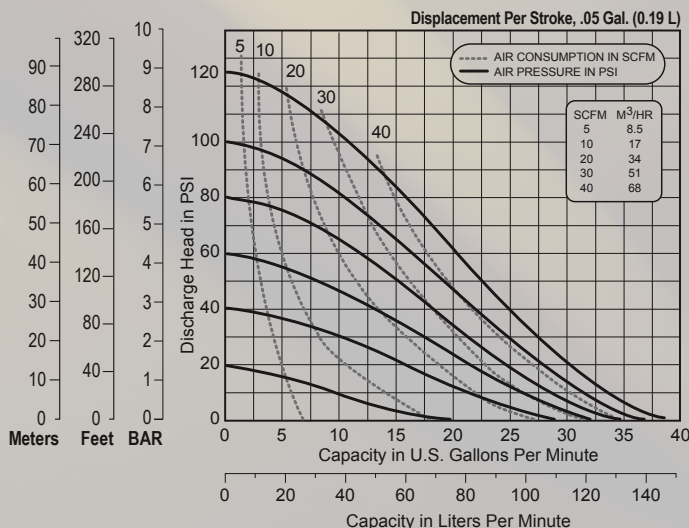
Stainless Steel 40 lbs (18.1 kg)

Alloy C 40 lbs (18.1 kg)

Curves:



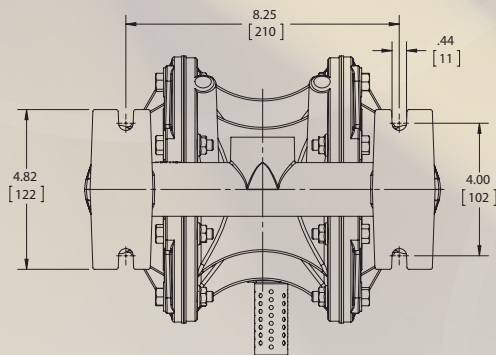
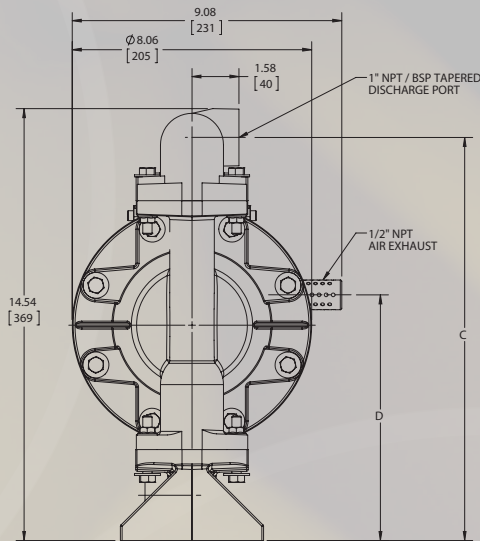
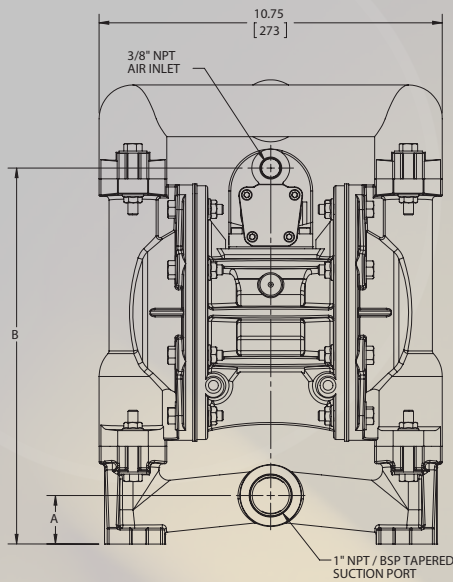
NOTE: Performance based on the following: elastomeric fitted pump, flooded suction, water at ambient conditions. The use of other materials and varying hydraulic conditions may result in deviations in excess of 5%.



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: $\pm 1/8"$ [$\pm 3\text{mm}$]

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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