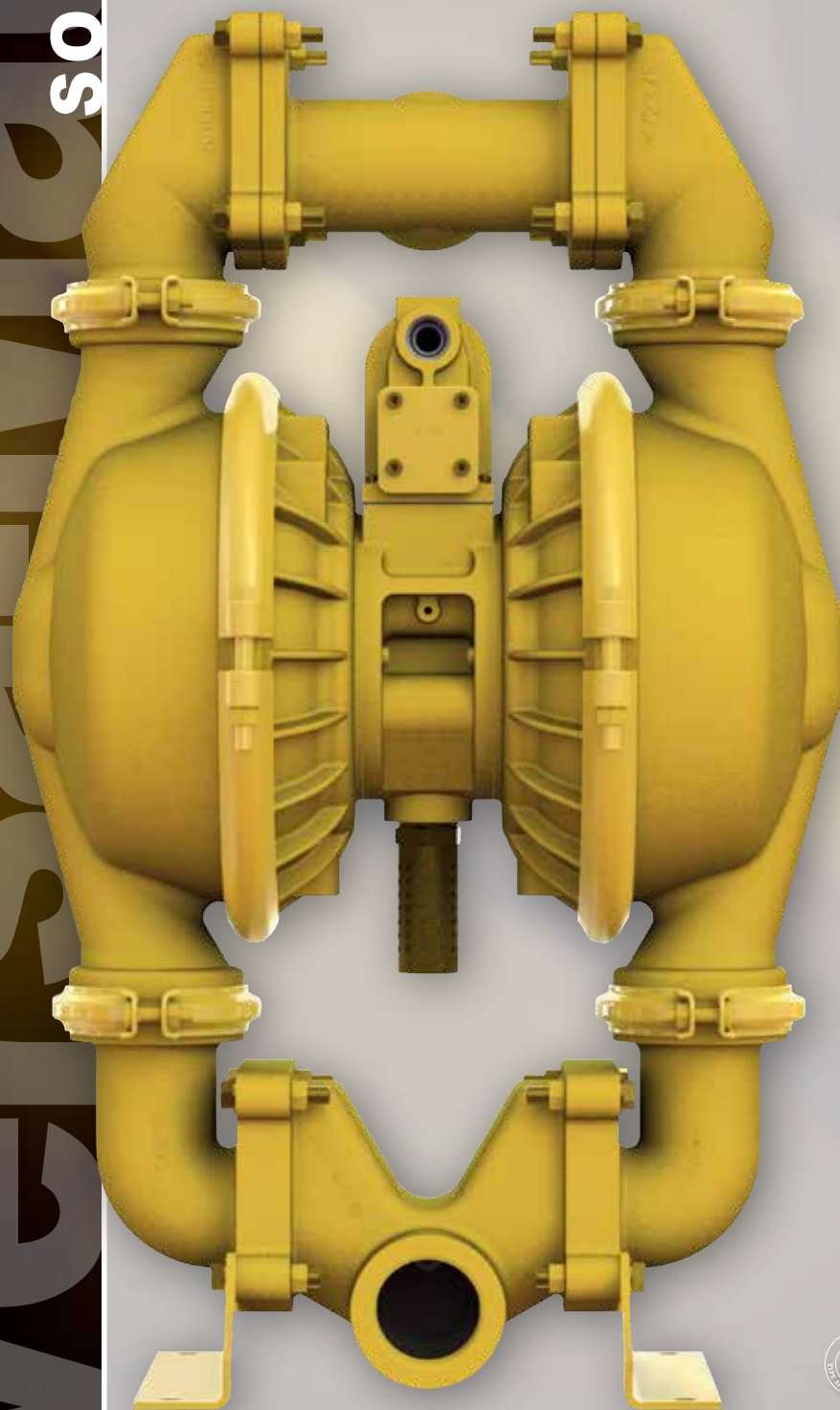


**VERSA-MATIC® E2-F**

Superior Solids Handling

**Solids Passage:**

Flap valve design delivers
1.125" (28.6mm)

Flow Rate Flexibility:

Adjustable up to
219 gpm (829 lpm)

Low Cost of Ownership:

Gravity assistance from top suction and bottom discharge reduces clogs and pump damage when pumping settling solids

Ease of Maintenance:

Clamped construction allows for quick disassembly and reassembly



Versa-Matic Advantages

E2 - 2" Metallic Flap Valve



Exclusive Elima-Matic Air Valve System

Enhanced air valve system delivers consistent on/off/on reliability, while maintaining superior air efficiency.



Simple, Low Cost Maintenance

Replaceable air valve sleeve and repairable 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 into Versa-Matic or Wilden® Pumps.

Versa-Rugged diaphragms are excellent with abrasive viscous liquids due to their oversized diaphragm plates. The oversized plates support and protect the diaphragms, leaving a smaller portion of the diaphragms exposed compared to many competitors.



Long Term Reliability

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



Best in Class Flow Rates

Advanced flow through casting designs and efficient air distribution create volumetric efficiencies, delivering excellent flow rates and displacement per cycle.



Clamped Construction

Ease of assembly and disassembly with proven reliability.



Extended MTBF

Gravity assistance from the top suction and bottom discharge design reduce clogs and damage from setting solids.



Flap Valve Technology

Flap Valve Technology

Robust stainless steel and elastomer abrasion resistant flap valve modules for superior solids handling up to 1.125 (28.6mm).

* Wilden® is a registered trade name of the Wilden® Pump and Engineering Company, a Dover Resources Company.

Accessories & Specifications

E2 - 2" Metallic Flap Valve

E2-F

Accessories / Kits:

Protect Your Investment and Increase Uptime



Filter Regulator

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



Surge Suppressors

Full line of Versa-Surge surge suppressors for smooth discharge flow and to protect downstream process components.



Parts Kits

Save time and money with complete parts kits. Repair it once, repair it right.

Performance:

E2 - 2" Flap Valve Clamped Pump – Metallic Center ELASTOMERIC AND TPE FITTED - RUGGED

Flow Rate

Adjustable to 0-219 gpm (829 lpm)

Port Size

Suction 2" NPT

Discharge 2" NPT

Air Inlet 1/2" NPT

Air Exhaust 1" NPT

Suction Lift

Dry 15' (4.47 m)

Wet 28' (8.53 m)

Max Solid Size (Diameter)

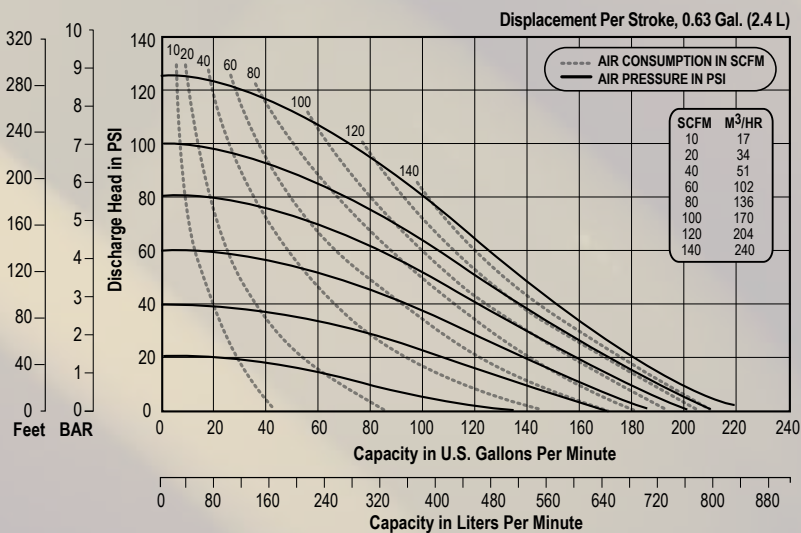
. 1 1/8" (28.6 mm)

Max Noise Level 95 dB(A)

Shipping Weights

Aluminum 84 lbs (29.5 kg)

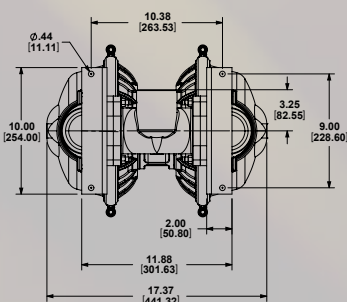
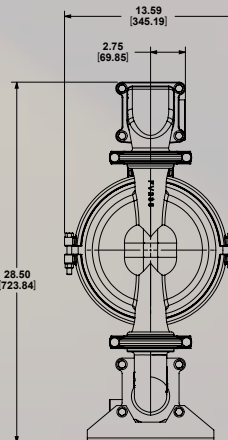
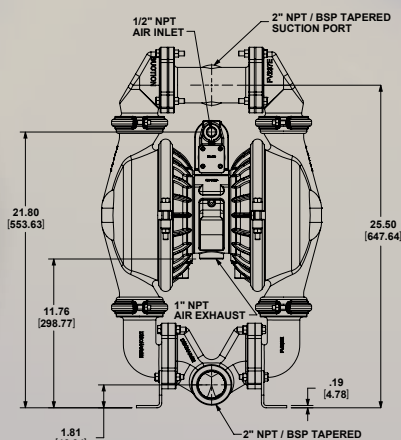
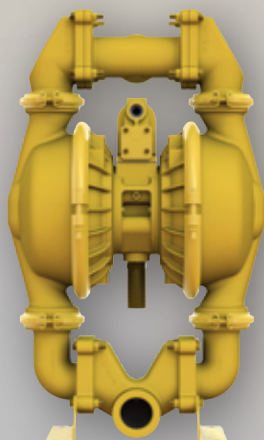
Curves:



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%.

Dimensional Drawings:

E2 - 2" Metallic Flap Valve



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

How it Works

AODD Pump Operation Basic Principle

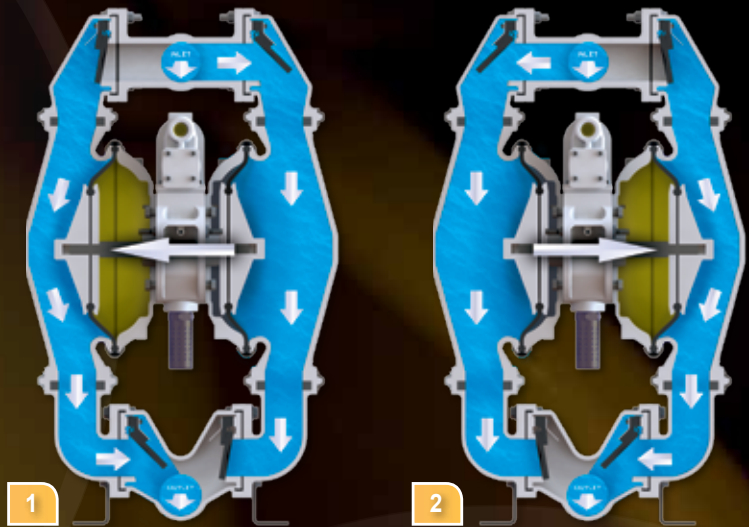
= Compressed Air = Pumped Fluid

1: Suction Cycle

Compressed air fills left inner chamber, causing the opposing diaphragm to create suction, opening the upper flap valve, pulling in fluid at inlet. Simultaneously, the left chamber is in "Discharge" cycle.

2: Discharge Cycle

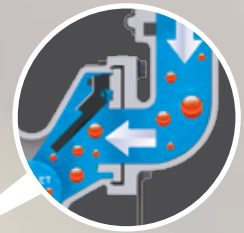
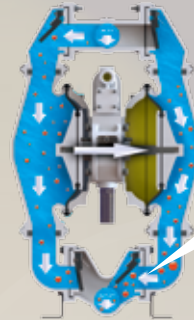
Compressed air fills right inner chamber, causing lower flap valve to open and discharge fluid. Simultaneously, the left chamber is in "Suction" cycle.



Bottom Discharge Porting

Eliminate the damage from settling solids in your pump with the bottom discharge capabilities of our Metallic Clamped Flap Check Valve Technology.

- Prevent broken diaphragm plates
- Eliminate diaphragm shaft damage
- Ensure even diaphragm wear for longevity



Bottom Discharge

Industries and Applications



Industrial Waste Treatment

- Filter Press Feed



Construction

- Dewatering
- Concrete Slurry
- Delivery



Mining

- Dewatering



Oil and Gas

- Drillers Mud Makeup



Food Processing

- Waste Disposal
- Pre-Sanitized Products



Pulp and Paper/Corrugator

- Pulp
- Starch



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