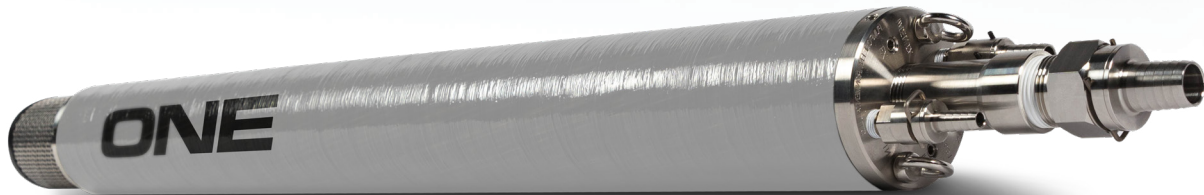


ONE

LEACHATE & REMEDIAL SYSTEMS



DESCRIPTION:

Built from our core pneumatic pump design, the ONE pump highlights several mechanical and material improvements that have been gradually implemented into previous models, as well as upgrades in machining, electro-polished surfaces, and proprietary coatings. All ONE Series models are available in both Top and Bottom load arrangements, and the working components of the ONE series are compatible with earlier EP and XP pumps.

Standard Service Pumps: ONE^E & ONE
Specialty Service Pumps: ONE^{LOD}, ONE^{4.5}, ONE^V

CORROSION & TEMPERATURE RESISTANCE:

The ONE Pump is built to withstand extreme conditions with exceptional corrosion and temperatures resistance due to the highest quality materials of construction which include 316L Stainless Steel for all major metal parts and fasteners.

A 316L Stainless Steel casing with temperature resistance up to 250°F is available on request.

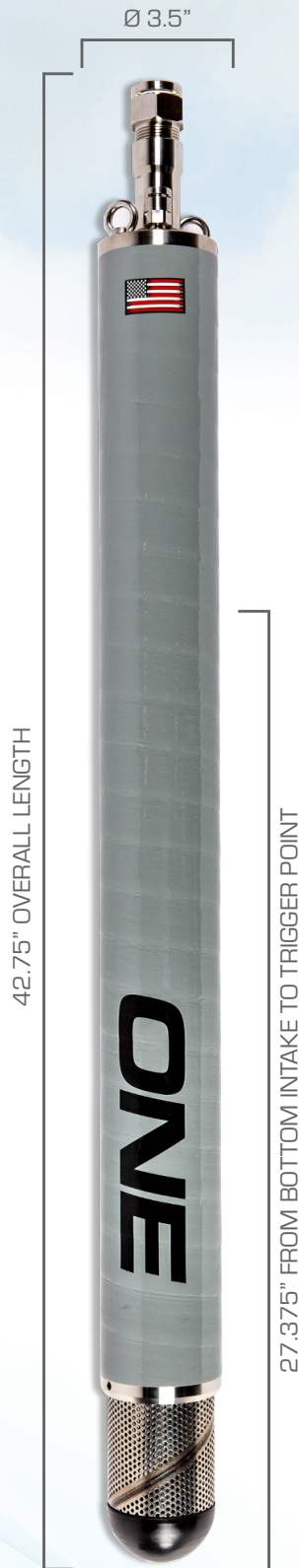
ENHANCED DESIGN:

The ONE is designed to be as efficient as possible due to PumpOne's dedication to quality and service.

A solid machined pump head with an integral discharge check valve along with a solid machined bottom check valve assembly minimizes the number of parts needed and makes for easy disassembly. Air leakage into discharge is prevented by having no penetrations through the center discharge tube.

Fine-tuning the ONE is made simple with adjustable air valve poppets and magnets with no sealants or thread locking compounds required. The ONE is also compatible with industry standard Fast-Fit couplings and/or standard hose-barbs.

Each ONE is protected by a 5 year standard warranty and as with all PumpOne products, the ONE is supported by PumpOne's unmatched customer service and technical support.



SPECIFICATIONS

- **PUMP TYPE:**
ONE BOTTOM LOADING HIGH-TEMPERATURE PNEUMATIC PUMP
- **ACTUATION:**
FLOAT ACTIVATED, FULLY AUTOMATIC
- **WEIGHT: FRP / 316L SS CASING:**
17.2 LBS / 21.2 LBS
- **VOLUME OF DISPLACED LIQUID PER CYCLE:**
0.32-0.37 GALLONS (US)
- **MAX. FLOW RATE WITH 1" O.D TUBING:**
13GPM - SEE FLOW RATE CHART
- **AIR PRESSURE OPERATING RANGE:**
5-250 PSI
- **MAXIMUM OPERATING TEMPERATURE:**
210°F / 250°F WITH OPTIONAL SS CASING
- **AIR CONSUMPTION:**
0-5 SCFM
- **PH RANGE:**
2-13
- **MINIMUM LIQUID DENSITY:**
0.79

MATERIALS

- **ALL MAJOR INTERNAL METALLIC PARTS:**
316L STAINLESS STEEL, 17/4 STAINLESS STEEL & NDFEB
- **ALL INTERNAL NON-METALLIC PARTS:**
PEEK, PTFE (TEFLON®), FKM (VITON®) & PVDF (KYNAR®)

DOWN-WELL TUBE & CONNECTION DETAIL

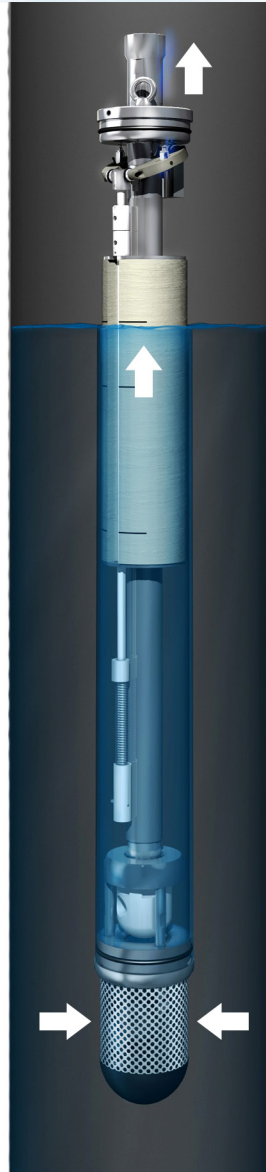
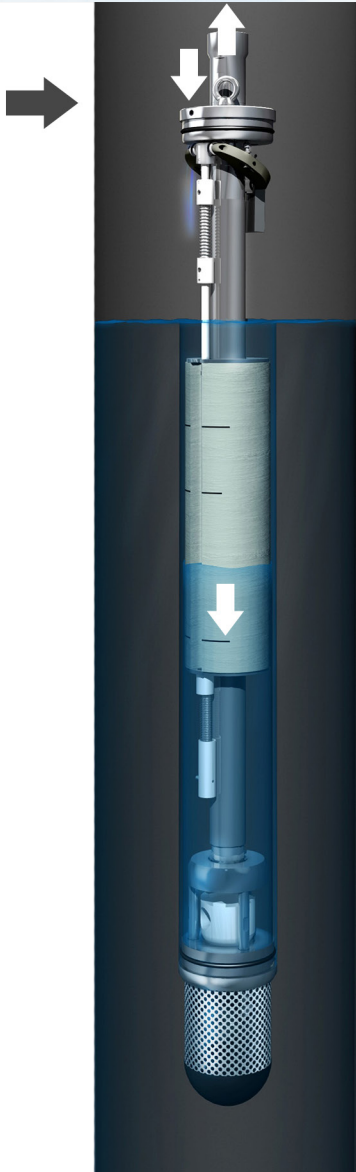
- **TRI-TUBING:**
HIGH PERFORMANCE NYLON COATED
- **DISCHARGE:**
1" OD TRI-TUBING
- **AIR SUPPLY:**
1/2" OD TRI-TUBING
- **AIR EXHAUST:**
5/8" OD TRI-TUBING
- **FAST-FIT COUPLING SIZES:**
1/2" & 3/8" BARB SIZES WITH CUSTOM SIZES AVAILABLE
- **STANDARD TUBE BARB SIZES:**
1/2" & 3/8" BARB SIZES WITH CUSTOM SIZES AVAILABLE

NORMAL OPERATION

Compressed air pushes the fluid in the pump down and the flow closes the bottom check valve. Then the fluid can only flow into the bottom of the discharge tube and out the top of the pump.

The float falls with the fluid.

When the float reaches the bottom of the actuator rod it snaps down. The air inlet valve closes and the air exhaust valve opens.

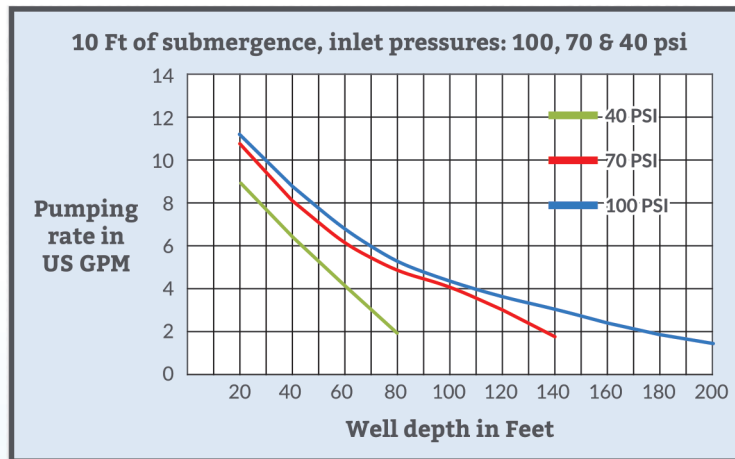
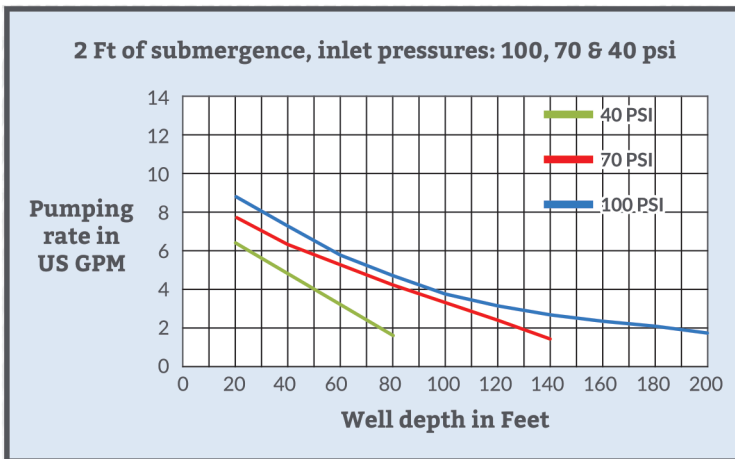
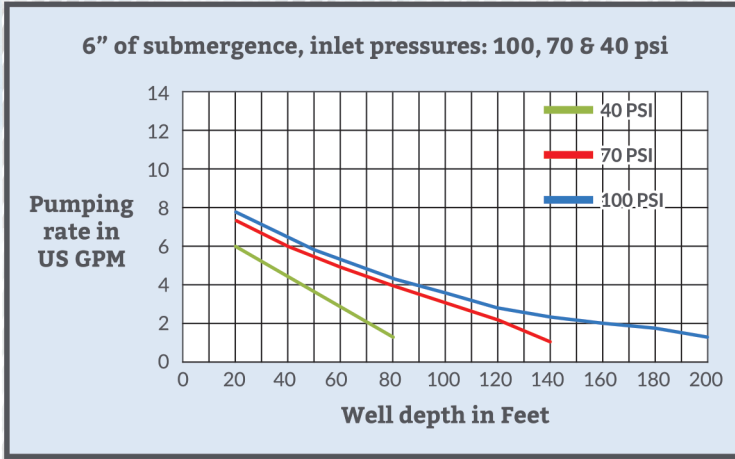


Fluid enters the bottom check valve and air in the pump exits the open exhaust valve.

The rising fluid lifts the float.

When the float reaches the top of the actuator rod it snaps up and the air exhaust valve closes and the air inlet valve opens.

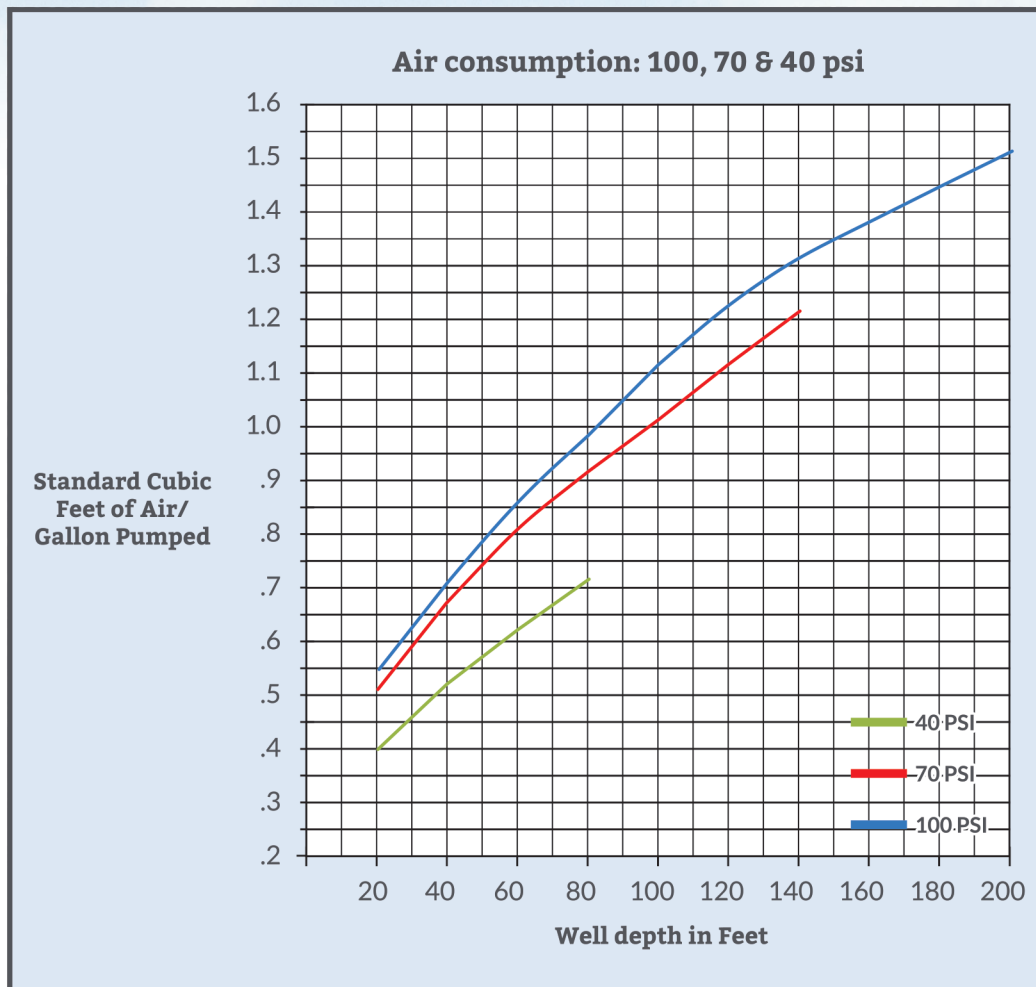
PUMP CURVE GRAPHS



AIR CONSUMPTION GRAPH

THE CURVES ARE BASED ON 1" OD DISCHARGE TUBING.

FLOW RATES WILL VARY WITH SITE CONDITIONS.



MADE IN THE USA

**5 YEAR
STANDARD
WARRANTY**