

we have developed and patented a new pump model, PIEZO PUMP, a unique pump, designed for the environmental remediation applications.

PIEZO PUMP is an easily transportable pneumatic system, which can be installed inside wells with a minimum internal diameter of 4" for the following purposes:

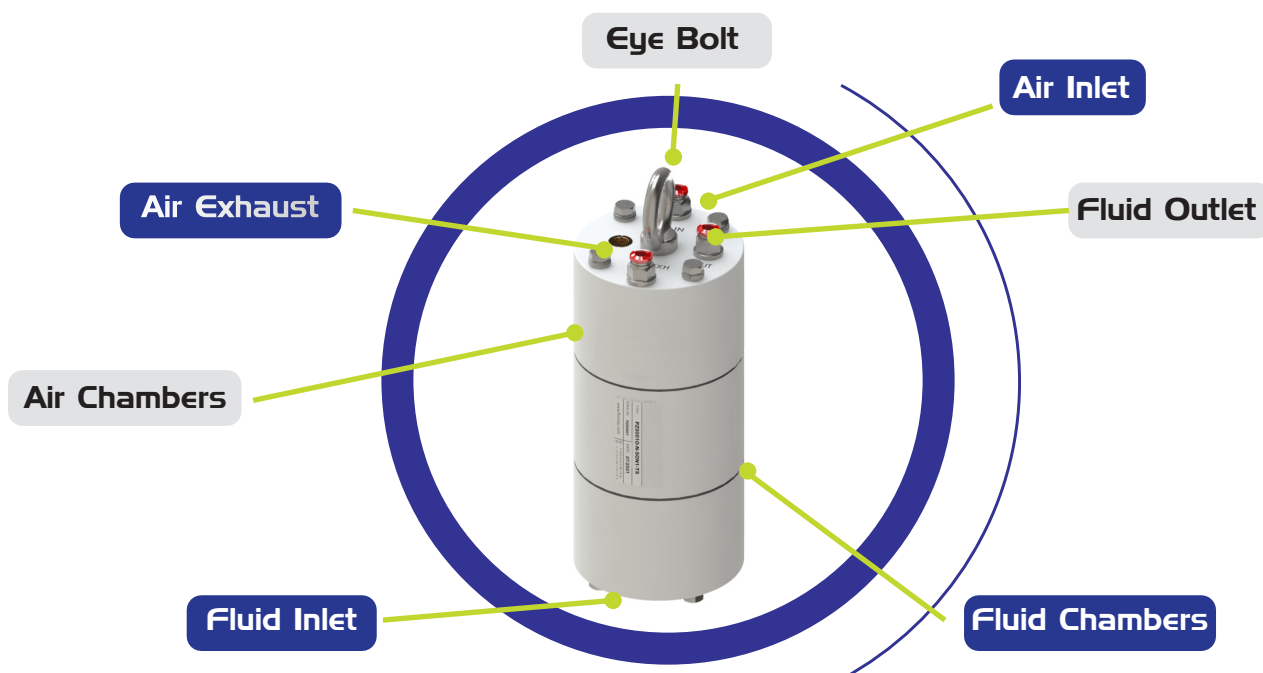
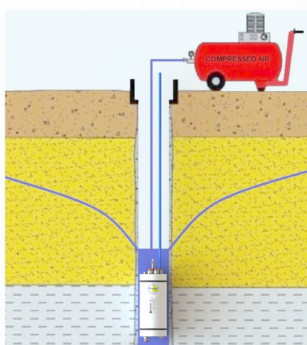
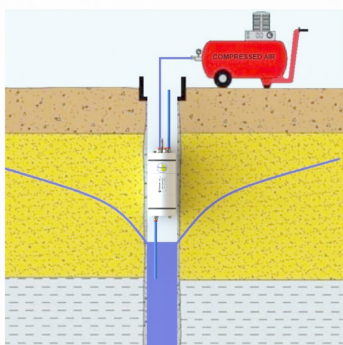
- Groundwater pumping as part of remediation activities or remediation plants;
- Recovery Technology for LNAPL / DNAPL (light / dense non-aqueous phase liquid);
- Oil handling in ATEX classified areas;
- Low-flow representative sampling at different depths inside environmental monitoring wells;
- Excellent tool for environmental emergency response activities.

FEATURES:

- Operation with high subsidence value of water level (max. approx. 50 m);
- Possibility to work both above and below the water level;
- Can work with solids in the water flow (max. approx. 2.5 mm);
- Constant pumping at low flow rates (approx. 0.25-4.00 l/min)
- Easy flow management through compressed air supply;
- Lightweight, compact and compatible with 4" wells;
- Possibility to send the air exhaust out of the well.



INSTALLATION





TECHNICAL DATA

Fluid connections	1/4" BSP
Air connection	1/4" BSP
Max. Flow rate	8 lt/min
Max air pressure	7 bar
Max delivery head	70 m
Max Suction Lift Dry	3 m
Max Solid passing	2 mm
Noise level:	65 dB
Max Viscosity:	5.000 cps
Displacement per Stroke:	22 CC ~

II 3/3 G Ex h IIB T4 Gc
II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



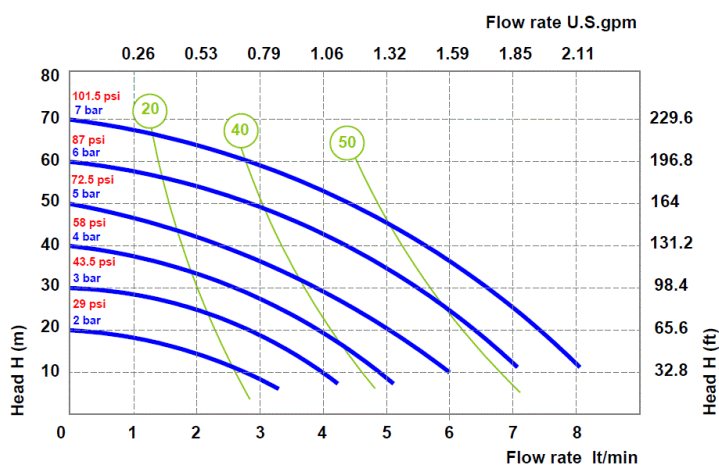
WEIGHT

1,3 KG

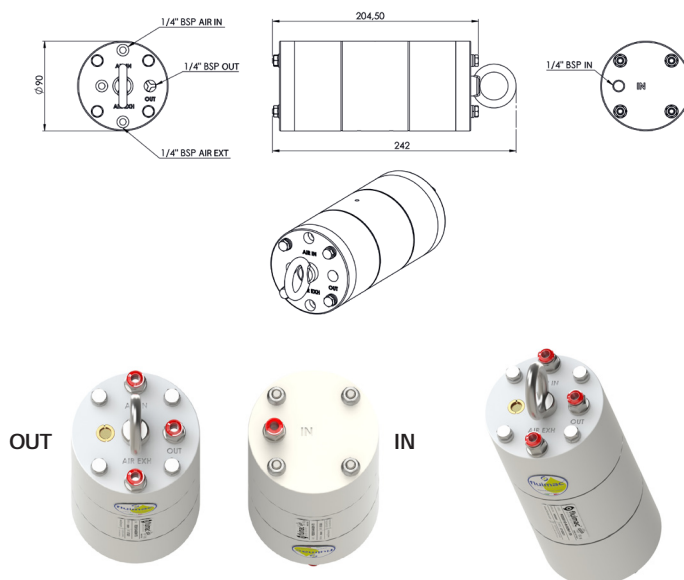
TEMPERATURE

-5°C +80°C

PERFORMANCE



DIMENSIONS



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PZ001	O = POMc P = PP	N = NBR NT = NBR+PTFE	T = PTFE S = SS	O = POMc P = PP	N = NBR V = VITON E = EPDM	1 = BSP 5 = NPT	- = ZONE 2 X = ZONE 1	TS = STANDARD