

UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH SS

Product group: 422 Product number: 635620

With a flow rate of up to 35 L/min and the ability to handle viscous fluids and solids up to 3.5 mm, this pump is ideal for applications such as ballast water sampling.



Product information

Typical Applications for the UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH SS:

- Ballast Water Treatment Systems:** Used to sample ballast water for treatment monitoring and compliance with international regulations.
- Wastewater Sampling:** Ideal for collecting water samples from onboard wastewater systems for analysis.
- Chemical Sampling:** Can be used to sample aggressive chemicals from various marine systems.
- Fluid Transfer for Testing:** Efficiently pumps liquids in testing procedures for onboard systems.

Features

- **Self-Priming:** Capable of drawing fluids efficiently without needing external priming systems, ensuring quick and reliable performance.
- **Dry-Run Capable:** Designed to operate without damage even if run dry, reducing maintenance and downtime.
- **Versatile Fluid Handling:** Handles a broad range of viscosities (up to 15,000 cps) and can pass solids up to 3,5 mm, making it ideal for varied sampling tasks.
- **Compact and Lightweight:** Weighs only 3.8 kg, making it easy to install and maneuver in tight spaces onboard.
- **ATEX Certified:** Compliant with ATEX Zone 2, making it safe for use in explosive atmospheres (Ex h IIC T4 Gb, Ex H IIIB T135°C Db X).

Benefits

- **Ideal for Ballast Water Sampling:** Perfect for use in ballast water treatment systems, ensuring reliable sampling and compliance with environmental regulations.
- **Increased Safety:** Air-operated design eliminates the risk of electrical hazards in explosive atmospheres, ensuring safe operation onboard.
- **Durable and Reliable:** Resistant to corrosion and capable of handling aggressive chemicals, this pump delivers reliable performance in demanding maritime conditions.

Specification

Physical properties

Viscosity	15.000 CPS
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Dimensions/Weight

Dimensions L x W x H [mm]	181 x 106 x 192
Pumpable solid size [mm]	3
Weight [kg]	3.8

Technical data

Air inlet connection [inch]	1/4" BSP
Air pressure [bar]	7 max
Fluid inlet and outlet size [inch]	1/2" BSP
Suction lift [m]	9.8m (Wet) - 5m (Dry)

Performance data

Flow capacity [l/min]	35
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Documents

[DoC, UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMPS.](#)

[SDoC and MD for IHM](#)