

UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH PP

Product group: 422 Product number: 635615

Unitor AeroFlow 1/2" is a robust, corrosion-resistant pump designed for efficient fluid transfer in marine environments. Constructed with chemically resistant polypropylene, this pump is ideal for handling a wide range of fluids, including aggressive chemicals and waste materials. Its air-operated mechanism ensures safe and reliable operation without the need for electricity.



Product information

This product supersedes product no: 634787

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

- Bilge Stripping:** Efficient removal of bilge water and oily mixtures from vessels.
- Fire Fighting Systems:** Reliable transfer of fire-fighting agents and water.
- Waste Water Transfer:** Safe handling and transfer of wastewater and sewage.
- Chemical Dosing:** Precise injection of chemicals for water treatment and other processes.
- Fuel Transfer:** Safe and efficient transfer of fuels and lubricants.
- Tank Cleaning:** Removal of residues and cleaning agents from tanks and holds.
- Drum and Barrel Emptying:** Efficient transfer of contents from drums and barrels.
- Onboard Laboratories:** Sampling and testing of various fluids for analysis.

Supplied with

- Clamp collars
- Air barbs
- Fluid inlet and outlet nipples

Features

- **Corrosion-Resistant Construction:** Made from high-quality polypropylene and Teflon, ensuring durability in harsh marine environments.
- **Air-Operated Mechanism:** Operates without electricity, reducing the risk of sparks and enhancing safety.
- **Self-Priming:** Capable of drawing fluids without the need for external priming systems.
- **Dry-Run Capable:** Can operate without damage even when running dry.
- **Versatile Fluid Handling:** Handles a wide range of viscosities (up to 20,000 cps) and can pass solids up to 3.5 mm.
- **Compact Design:** Space-saving design suitable for confined spaces onboard vessels.
- **Easy Maintenance:** Simple construction allows for quick and easy maintenance and repairs.

Benefits

- **Chemical Compatibility:** Ideal for transferring a wide variety of aggressive chemicals used in maritime operations.
- **Reliable Performance:** Delivers consistent flow rates (up to 65 L/min) and pressure (up to 8 bar), ensuring dependable operation.
- **Cost-Effective:** Low maintenance and durable construction reduce long-term operational costs.

Specification

Physical properties

| | |
|-----------|------------|
| Viscosity | 20.000 CPS |
|-----------|------------|

Dimensions/Weight

| | |
|---------------------------|-----------------|
| Dimensions L x W x H [mm] | 238 x 165 x 249 |
| Pumpable solid size [mm] | 3.5 |
| Weight [kg] | 4.3 |

Technical data

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|------------------------------------|-----------------------|
| Air inlet connection [inch] | 1/4" BSP |
| Air pressure [bar] | 8 max |
| Fluid inlet and outlet size [inch] | 1/2" BSP |
| Suction lift [m] | 9.8m (Wet) - 5m (Dry) |

Performance data

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|-----------------------|----|
| Flow capacity [l/min] | 65 |
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Documents

[SDoC and MD for IHM](#)

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

Related products

Accessories

- 770205
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH PP/SS - FLUID & AIR HOSE KIT
- 635652
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH PP - SUCTION RIGID HOSE PP - 1000MM

Spares

- 635651
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH PP - COMPLETE SERVICE KIT (AIR & FLUID SIDE)
- 635650
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH PP - FLUID BARBS + COLLAR CLAMPS (2PCS EACH)
- 635649
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1/2 INCH PP - AIR BARBS (2PCS)