

# UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH PP

Product group: 422      Product number: 635625

It is designed for heavy-duty marine cleaning applications, including cargo hold and tank cleaning, bilge water transfer, and general maintenance onboard vessels. With a flow rate of up to 170 L/min, it handles viscous fluids, passes solids up to 7.5 mm, and operates safely without electricity. Its corrosion-resistant PP and PTFE construction ensures durability in harsh environments, while its self-priming, dry-run capability, and easy maintenance make it ideal for continuous use. Compact and efficient, this pump is perfect for a wide range of onboard fluid handling needs.



## Product information

This product supersedes product no: 777992

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

- Cargo Hold Cleaning:** Efficiently transferring cleaning chemicals and removing residual materials from cargo holds. Ideal for cleaning bulk carriers, tankers, and container vessels.
- Tank and Bilge Cleaning:** Effectively removes wastewater, sludge, and residual oils during tank cleaning or bilge operations, ensuring a clean environment.
- Deck and Hull Cleaning:** Used in conjunction with high-pressure or chemical cleaners for maintaining ship decks, hulls, and other large surfaces.
- Wastewater and Sludge Removal:** Pumps and transfers wastewater, slurries, and other fluids from tanks, bilges, or bilge water treatment systems.
- General Maintenance:** Used for cleaning machinery, equipment, and other areas requiring fluid transfer for maintenance work.
- Fuel/Oil Transfer:** Ideal for pumping and transferring fuels, oils, and other liquid cargo onboard vessels.

Supplied with

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

Features

- **Corrosion-Resistant Construction:** Made from high-quality polypropylene and PTFE, 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 and can pass solids up to 7.5 mm.

Benefits

- **Chemical Compatibility:** Suitable for transferring a wide variety of aggressive chemicals commonly used in maritime operations.
- **Reliable Performance:** Provides consistent flow rates and pressures, ensuring dependable operation.
- **Cost-Effective:** Low maintenance requirements and durable construction reduce long-term operational costs.

## Specification

Physical properties

Viscosity	35.000 CPS
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Dimensions/Weight

Dimensions L x W x H [mm]	430 x 222 x 416
Pumpable solid size [mm]	7.5
Weight [kg]	14.2

Technical data

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

Performance data

Flow capacity [l/min]	170
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## Documents

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

[SDoC and MD for IHM](#)

Related products

Accessories

**770210**  
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH PP /SS / ALU- FLUID & AIR HOSE KIT

Spares

**635658**  
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH PP - COMPLETE SERVICE KIT (AIR & FLUID SIDE)

**635657**  
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH PP/SS/ALU - AIR BARBS (2PCS)

**635655**  
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH PP - FLUID BARBS + COLLAR CLAMPS (2PCS EACH)