

UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH SS

Product group: 422 Product number: 635630

It is engineered for robust performance in demanding marine environments. Constructed with high-quality stainless steel, it offers exceptional durability and resistance to corrosion, making it ideal for handling abrasive and aggressive fluids. With a maximum flow rate of 170 L/min and the ability to pass solids up to 7.5 mm, this pump ensures efficient and reliable operation across various applications.



Product information

This product supersedes product no: 777991

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

- Transfer of Aggressive Chemicals:** Safely transfers chemicals without risk of corrosion.
- Circulation Cleaning:** Ideal for circulating cleaning fluids in various systems, ensuring even distribution for effective cleaning of pipelines, equipment, and tanks.
- Cargo Hold Cleaning:** Efficiently removes residual cargo and contaminants from holds.
- Tank Cleaning:** Ideal for cleaning tanks containing viscous or solid-laden liquids.
- Bilge Water Transfer:** Handles oily or contaminated bilge water with ease.

Supplied with

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

Features

- **Stainless Steel Construction:** Offers superior corrosion resistance and durability.
- **High Flow Rate:** Delivers up to 170 L/min for efficient fluid transfer.
- **Solid Handling:** Passes solids up to 7.5 mm in size.
- **Self-Priming:** Capable of drawing fluids without external priming systems.
- **Dry-Run Capable:** Operates without damage even when running dry.
- **Air Operated:** Eliminates the need for electricity, reducing spark hazards.
- **Quiet Operation:** Maintains a noise level of 75 dB for a quieter work environment.

Benefits

- **Chemical Compatibility:** Suitable for transferring a wide variety of aggressive chemicals.
- **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]	357 x 222 x 371
Pumpable solid size [mm]	7.5
Weight [kg]	17.2

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]	9.8 m (Wet) - 5m (Dry)
Temperature [°C]	-20 C to + 95 C (range)

Performance data

Flow capacity [l/min]	170
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Documents

[SDoC and MD for IHM](#)

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

Related products

Accessories

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

Spares

635660
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH SS - COMPLETE SERVICE KIT (AIR & FLUID SIDE)

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

635659
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH SS/ALU - FLUID BARBS + COLLAR CLAMPS (2PCS EACH)

Is spare to

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UNITOR CHEMICAL CLEANING UNIT