# 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.
- $\bullet \;\;$  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

# Dimensions/Weight

Dimensions LxWxH[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 DIAPHRAGMPUMP 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

 ${\tt UNITOR\,AEROFLOW\,DOUBLE\,DIAPHRAGM\,PUMP\,1\,INCH\,SS/ALU\,-\,FLUID\,BARBS\,+\,COLLAR\,CLAMPS\,(2PCS\,EACH)}$ 

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UNITOR CHEMICAL CLEANING UNIT

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