

UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH ALU (ATEX Z1)

Product group: 422 Product number: 635635

Robust and lightweight, the 1" Unitor AeroFlow aluminum diaphragm pump is engineered for high-performance fluid transfer in hazardous marine environments. Certified for ATEX Zone 1, it is ideal for emergency response and routine operations involving flammable or volatile substances. With a flow capacity of up to 170 L/min, it handles a wide range of fluids safely and efficiently.



Product information

Typical Applications for the UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH ALU (ATEX Z1):

- Optimal for SOPEP spill response
- Fuel and oil transfer (ATEX safe zones)
- Bilge and sludge transfer
- Emergency dewatering operations
- General service transfer pump onboard
- Tank and engine room cleaning support
- Chemical handling in hazardous areas

Supplied with

- Ground Bonding Set
- Collar Clamps
- Air Barbs
- Inlet and Outlet Fluid Nipples

Features

- ATEX Zone 1 certified – suitable for explosive atmospheres
- Durable aluminum body – lightweight and corrosion-resistant
- Self-priming and dry-run capable
- Compact design – easy to carry and install onboard

Benefits

- Safety first:** no sparks, no electricity, ideal for explosive zones
- Rapid response:** reliable in emergency cleanup or spill situations
- Versatile use:** handles oils, chemicals, bilge water, and sludge
- Low maintenance:** simple design and easy access to parts
- Cost-effective:** long operating life and quick servicing
- Trusted transfer solution:** for day-to-day and contingency operations

Specification

Physical properties

Viscosity	35.000 CPS
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Dimensions/Weight

Dimensions L x W x H [mm]	370x222x364
Pumpable solid size [mm]	7.5
Weight [kg]	13.2

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)
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

635661
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 1 INCH ALU - COMPLETE SERVICE KIT (AIR & FLUID SIDE)

635662
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP - BONDING GROUND SET

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)