

UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 2 INCH ALU (ATEX Z1)

Product group: 422 Product number: 635645

Tough, fearless, and ready for anything — the Unitor AeroFlow 2" Aluminum Diaphragm Pump is your ultimate fluid-handling beast. Built for demanding marine operations, this ATEX Zone 1 certified pump delivers explosive performance with zero risk. Engineered for speed and resilience, it powers through oils, sludge, bilge water, and volatile chemicals with ease, all while pushing out a massive 700 L/min flow rate.



Whether it's emergency SOPEP deployment, aggressive chemical transfer, or routine bilge clearing, this is the pump that doesn't back down.

Product information

This product supersedes product no: 604926

Typical Applications for the UNITOR AEROFLOW DOUBLE DIAPHRAGMPUMP 2 INCH ALU (ATEXZ1):

- 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

- ATEXZone 1 certified – suitable for explosive atmospheres
- Durable aluminum body– lightweight and corrosion-resistant
- Self-priming and dry-run capable

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	50.000 CPS
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Dimensions/Weight

Dimensions L x W x H [mm]	595x345x567
Pumpable solid size [mm]	8.5
Weight [kg]	37.6

Technical data

Air inlet connection [inch]	3/4" BSP
Air pressure [bar]	8 max
Fluid inlet and outlet size [inch]	2" BSP
Suction lift [m]	9.8m (Wet) - 5m (Dry)
Temperature [°C]	-20°C to +95°C (range)

Performance data

Flow capacity [l/min]	700
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Documents

[SDoC and MD for IHM](#)

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

Related products

Accessories

770215
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 2 INCH SS / ALU - FLUID & AIR HOSE KIT

Spares

635667
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 2 INCH ALU - COMPLETE SERVICE KIT (AIR & FLUID SIDE)

635665
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 2 INCH SS /ALU - AIR BARBS (2PCS)

635664
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP 2 INCH SS/ALU - FLUID BARBS + COLLAR CLAMPS (2PCS EACH)

635662
UNITOR AEROFLOW DOUBLE DIAPHRAGM PUMP - BONDING GROUND SET