

UNITOR CHEMICAL CLEANING UNIT

Product group: 664 Product number: 572060

The Unitor™ Chemical Cleaning Unit is a compact, mobile circulation system designed for safe and effective chemical cleaning (CIP – Cleaning-In-Place) of onboard equipment such as heat exchangers, boilers, pipelines, and tanks. Built for the marine industry, this unit combines high chemical resistance, durability, and portability to meet the demanding requirements of chemical descaling and degreasing operations.



Product information

Supplied with

- 1× **Unitor AeroFlow 1” SS Diaphragm Pump**, pre-mounted
- 1× **100L HDPE Tank** with integrated 2mm strainer and stainless-steel drain valve
- 1×**3kW Heating Element**, pre-installed with 3-meter power cable and plug
- 2× **10-meter Chemical-Resistant Hoses** (1” dia.) – supply and return
- 1× **Air Supply Regulator** with quick coupling (ID 10mm)
- 1× **Electrical Cable** (3m) with plug (230V)
- All required **fittings, clamps, and couplings** pre-installed

Features

- **Pump Capacity:** 170 L/min with Unitor AeroFlow 1” Stainless Steel diaphragm pump
- **Tank:** 100L HDPE tank with 2mm integrated strainer
- **Heater:** 3kW electric heater, adjustable up to 60°C
- **Air Supply:** Quick-coupling air regulator (0–8 bar)
- **Construction:** Corrosion-resistant stainless steel 304 frame with 4 swivel wheels (2 with brakes)
- **Chemical-Resistant Hoses:** 10m long, 1” diameter, antistatic and chemical-safe
- **Power:** 230V / 50–60Hz, IP54-rated components, 3m cable with plug
- **Drain Valve:** Stainless steel 3/8" BSP
- **Mobility:** Compact footprint (115x55x78 cm), lightweight (58 kg), and easy to move on board

Benefits

- **Efficient CIP Cleaning:** Recirculates chemical solutions for thorough internal cleaning without the need to dismantle systems
- **Durable Construction:** HDPE tank and SS304 frame ensure long service life even in corrosive environments
- **Safe & Precise Operation:** Built-in air regulator, heating control, and 2mm filter strainer optimize performance and protect downstream equipment
- **Quick Setup:** Pre-mounted pump and plug-and-play electrical & air connections reduce preparation time onboard
- **Wide Chemical Compatibility:** Suitable with a broad range of Unitor cleaning chemicals, including acidic, alkaline, and solvent-based formulations
- **Compact & Maneuverable:** Ideal for shipboard use—lightweight design fits through narrow passageways and can be secured during transport

Specification

Dimensions/Weight

Dimensions L x W x H [mm]	1150x550x780
Weight [kg]	58

Technical data

Air pressure [bar]	7 max
Fluid inlet connection [inch]	1"
Frequency [Hz]	50/60
Ingress protection	IP54
Voltage [V]	230

Performance data

Flow capacity [l/min]	170
Heating capacity [kW]	3