MONAWA

AUTONOMY | OPTIMISATION | WATER RESOURCE MANAGEMENT



OUR SOLUTIONS

DESALINATION

High-pressure cleaner 4
Compact mobile ecostation 5
Advanced mobile ecostation 6
Fixed cleaning ecostation 7

STORAGE

Modular tank 10
Floating tank 11

COLLECTION

Compact mobile ecopump 14
Fixed ecopump 15
Trailer-mounted mobile ecopump 16
Multi-service ecobarge 17

MONAWA





DESALINATION

DESALINATION

HIGH-PRESSURE CLEANER

SEAWATER – FRESHWATER



Made in France

DESCRIPTION

The mobile high-pressure cleaner provides a practical solution for marine industry professionals.
Thanks to its patented hybrid technology, it can operate with either seawater or freshwater, allowing vessels, hulls, decks and marina infrastructure to be effectively cleaned and descaled using seawater, followed by a thorough freshwater rinse.

SPECIFICATIONS

Power supply	Electric or combustion engine
Pressure	110 to 350 bar
Water type	Seawater / Freshwater
Hose & reel	20 m hose included (extensions up to 40 m) Manual or automatic stainless-steel hose reel
Weight	Electric: 150 kg Combustion engine: 151.5 kg
Dimensions	Electric: 120 (L) x 73.5 (W) x 97.2 (H) cm Thermique : 123 (L) x 79 (W) x 90 (H) cm

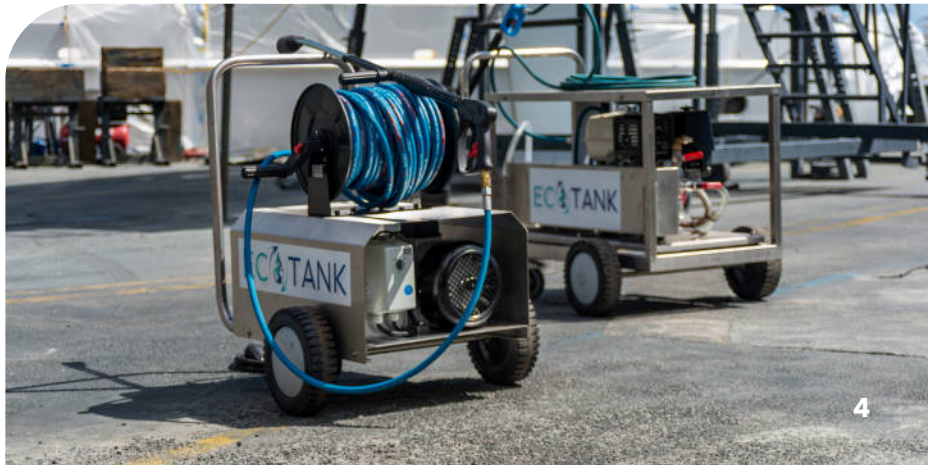
BENEFITS

Hybrid performance
Unique technology enabling direct use of seawater without premature corrosion.

Modular & scalable
Wide pressure range (110 to 350 bar) with a choice of electric or combustion engine.

Robust design
Mobile frame with stainless-steel hose reels (304L or 316L) for maximum durability in marine environments.

Eco-friendly
Optimises water consumption and makes hull maintenance easier without the use of harsh chemicals.



DESALINATION

COMPACT MOBILE ECOSTATION

FRESHWATER FROM SEAWATER



Prix de l'innovation

DESCRIPTION

This self-contained mobile unit is designed to produce freshwater directly from seawater using an integrated desalination system.
The water produced can be stored and supplied under pressure for complete vessel washing and rinsing, while preserving potable water resources.

SPECIFICATIONS

Production capacity	140 to 250 L/h (depending on single-phase or three-phase configuration)
Power supply	Solar, electric or combustion engine
Storage	20 to 150 L tank
Circuit	Low pressure (2.5 bar)
Mobile unit	Remote-controlled 12 V electric drive
Weight	170 kg (empty)
Dimensions	125 (L) × 60 (W) × 117 (H) cm

BENEFITS

Mobile deployment

Stainless-steel chassis with small wheels or steel chassis with large wheels to suit all types of terrain.

Reverse osmosis

Desalination process with controlled brine dilution, producing high-quality freshwater.

Custom-built solution

Modular system, with our engineering department available to develop configurations tailored to your needs.

Eco-friendly

Eliminates the need for potable water by producing freshwater directly on site.



DESALINATION

ADVANCED MOBILE ECOSTATION

HULL CLEANING & MARINA INFRASTRUCTURE



DESCRIPTION

These fully equipped mobile units are designed to clean vessels, marina infrastructure and hulls using seawater, followed by rinsing with freshwater produced directly by an onboard desalination system.

They are built using reliable, durable equipment to minimise maintenance and after-sales service requirements.

SPECIFICATIONS

Production capacity	140 to 480 L/h (single-phase or three-phase versions)
Power supply	Solar, electric or combustion engine
Storage	Up to 1,000 L (600 L or 300 L / 700 L configurations)
Water type	Seawater and freshwater
Mobile unit	Remote-controlled 12 V electric drive
Weight	360 kg
Dimensions	250 (L) × 130 (W) × 70 (H) cm

BENEFITS

Self-sufficient production

Integrated reverse-osmosis desalination process with controlled brine dilution.

Versatility

Water delivery ranging from low pressure (2.5 bar) to high pressure (350 bar).

Storage capacity

Equipped with tanks capable of holding up to 1,000 L of liquid, e.g. 300 L seawater + 700 L freshwater.

Eco-friendly

A durable, eco-friendly solution that significantly reduces potable water use.



DESALINATION

FIXED CLEANING ECOSTATION

WASHING & FRESHWATER SUPPLY



DESCRIPTION

These fixed EcoStations allow marinas to provide boat owners with comprehensive vessel maintenance services through remote-control service pedestals.

They are also designed to supply water to shipyards, providing a reliable source for maintenance and hull-cleaning operations.

SPECIFICATIONS

Production capacity	140 to 480 L/h (single-phase or three-phase versions)
Power supply	Solar, electric or combustion engine
Pressure	Adjustable from 2.5 to 350 bar
Water type	Seawater / Freshwater
Installation	10-, 20- or 40-foot container, or integration into an existing technical room

BENEFITS

Automated operation

Integrated control pedestals allowing users to select the required programme: seawater wash / freshwater rinse.

Flexible installation

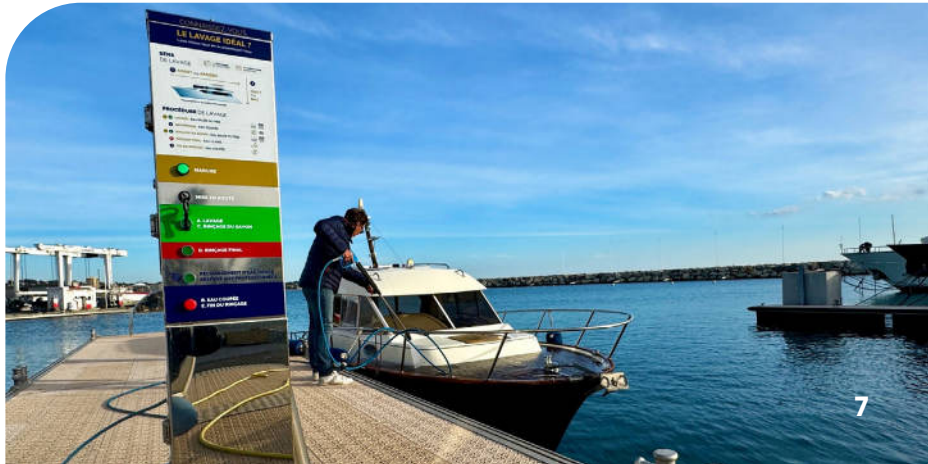
Can be installed in a container or integrated directly into an existing technical room.

Simplified operation

100% autonomous system thanks to remote-control pedestals and automated payment.

Eco-friendly

Delivers significant potable water savings through reverse-osmosis desalination.







STORAGE

STORAGE

MODULAR TANK

CUSTOMISABLE & ADAPTABLE



DESCRIPTION

These custom-built modules provide an innovative solution for collecting and storing water (rainwater, reserves or desalinated water) without excavation work or administrative procedures.

This quick and flexible system offers scalable storage capacities on demand and can be adapted to virtually any configuration.

SPECIFICATIONS

Type	Capacity	Dimensions	Weight
Base	100 L	71 (L) × 121 (W) × 41 (H) cm	21 kg
Tank	250 L	23 (L) × 121 (W) × 41 (H) cm	13 kg
Tank	500 L	133 (L) × 121 (W) × 41 (H) cm	45 kg

BENEFITS

Easy installation

Direct installation on a hard surface without excavation. Water can enter via a collector or from the top.

High durability

Made from HDPE resistant to UV exposure, frost (-15°C to +40°C) and algae, with an expected service life of 50 to 100 years.

Aesthetics & integration

Compact modules suitable for urban or landscaped environments, with mounting options for cladding or vegetation.

Eco-friendly

100% recyclable material enabling significant potable water savings. 10-year warranty.

Custom timber cladding available for seamless aesthetic integration.



STORAGE

FLOATING TANK

FRESHWATER & WASTEWATER



DESCRIPTION

This floating tank provides an innovative, high-performance solution for the temporary or permanent storage of freshwater (food-grade) and wastewater.

Specifically designed for seamless integration with MONAWA solutions, it provides optimum stability and safety directly on the water.

SPECIFICATIONS

Dimensions	4 (L) × 1.5 (W) × 1 (H) m (custom dimensions available)
Material	High-strength 1,200 g/m² PVC with UV-resistant treatment
Flotation	Ø300 mm inflatable chamber
Compatibility	Freshwater (food-grade) & wastewater
Handling	Peripheral towing strap for easy towing
Options	Customised inlet and outlet connections

BENEFITS

Quick installation

Simple and immediate deployment directly on the water, with no infrastructure work required.

Space-saving solution

Frees up valuable pontoon and quayside space by using the water surface for storage.

Mobility & towing

Easy repositioning and manoeuvring thanks to its peripheral towing system, even when full.

Robust & versatile

Made from reinforced 1,200 g/m² UV-resistant PVC for the safe storage of freshwater and wastewater.




2



COLLECTION

COLLECTION

COMPACT MOBILE ECOPUMP

WASTEWATER & DIRECT TRANSFER



DESCRIPTION

This mobile EcoPump is a powerful and versatile solution, ideal for collecting wastewater directly from vessels at the quayside.

Designed to simplify pump-out operations, this mobile unit is perfectly suited to professionals looking to improve the efficiency of their operations.

SPECIFICATIONS

Pump type	Progressive cavity pump with elastomer stator
Power supply	230 V AC
Power	0.55 kW / 1.6 A
Flow rate	25 to 50 L/min depending on pumping head, from 3 to 40 m
Transfer	Direct transfer to the wastewater disposal network
Weight	300 kg
Dimensions	80 (L) × 60 (W) × 110 (H) cm
Options	Remote control, protective cover, custom branding

BENEFITS

Versatility
A high-performance solution ideal for collecting wastewater directly at the quayside.

Efficiency
Ideally suited to professionals looking to improve operational efficiency.

Ergonomic design
Mounted on a mobile trolley designed to simplify pump-out operations.

Capacity
Flow rate of 25 to 50 L/min, with a pumping head ranging from 3 to 40 metres.



COLLECTION

FIXED ECOPUMP

WASTEWATER & BILGE WATER



DESCRIPTION

These fixed EcoPumps provide a high-performance solution for removing liquid waste (wastewater and bilge water) from boats and yachts.

They enable marinas to meet stringent environmental requirements while providing an essential pump-out service to boat owners.

SPECIFICATIONS

Pump type	VX 100-45Q (Single or Double)
Flow rate	S160: 180 L/min SB160: 2 × 180 L/min
Material	316 Ti stainless-steel enclosure
Suction	Maximum priming head: 8 mWC Pressure: 2 bar
Weight	S160: 225 kg SB160: 450 kg
Dimensions	S160: 96 (L) × 58 (W) × 105 (H) SB160: 96 (L) × 58 (W) × 115 (H)

BENEFITS

Industrial performance

Flow rate of up to 360 L/min with 2 × 2.2 kW power.

Minimum maintenance

316 Ti stainless-steel enclosure for maximum durability and reduced maintenance in marine environments.

Versatility

Dedicated bilge-water management or combined wastewater/bilge-water management.

Enhanced marina services

Enhances the marina's service offering and facilitates waste collection through clean and efficient pollutant management.



COLLECTION

TRAILER-MOUNTED MOBILE ECOPUMP

WASTEWATER & BILGE WATER



DESCRIPTION

This trailer-mounted mobile EcoPump is a versatile, high-performance solution designed for pumping wastewater and bilge water directly at the quayside.

Its mobility enables operators to respond quickly to vessel requirements throughout the marina.

SPECIFICATIONS

Pump type	Peristaltic pump with DN40 hose (up to 15 m)
Power supply	230 V AC
Storage	500 L tank (custom capacities available on request)
Weight	300 kg
Dimensions	250 (L) × 130 (W) × 70 (H) cm
Options	Remote control, protective cover, custom branding

BENEFITS

Manoeuvrability

Mobile unit designed for easy operation at different locations throughout the marina, maximising time efficiency.

Smart pumping

Equipped with a peristaltic pump and level sensor for automatic shut-off when the tank is full.

Storage capacity

Integrated 500 L storage tank, with increased capacities available on request.

Low maintenance

Robust design ensuring low maintenance costs and cost-effective operation.



COLLECTION

MULTI-SERVICE ECOBARGE

LIQUID & SOLID WASTE



DESCRIPTION

The EcoBarge is an innovative and versatile solution designed for marinas, coastal areas, inland waterways and mooring areas.
A true multi-service vessel, it provides liquid-waste pump-out and solid-waste collection services and can also respond effectively to emergencies and marine pollution incidents, including hydrocarbon recovery and marine debris collection.

SPECIFICATIONS

Standard configuration	• Overall length: 6.50 m • Maximum width: 2.48 m • Loaded displacement: 6.5 t • Loaded draught: 0.50 m • Engine: 60 hp • Manufacturer: Ecotank
Included Equipment	• Peristaltic pump: 100 to 300 L/min • Universal connection and adapter kit • Suction wand with strainer • 15 kg anchor • High-thrust propeller • Fendering and boat hook • 4 × mooring lines • Bilge pumps • Navigation lights (port, starboard and stern) • Battery and fuel tanks + fuel/water separator filter • Tanks: 2 × 650 L / 2 × 1,100 L or 1 × 650 L / 1 × 1,100 L / 1 × 750 L • Category 5 safety and first-aid kit
Optional Equipment	• Landing net and grabber • Additional 600 L tanks • Diving kit: ladder / cylinder holders • Self-adjusting marine-debris cage with manual winch • Electric winch for marine-debris cage • Oleophilic oil skimmer • Custom-built waste-sorting container • Freshwater delivery module • Aluminium canopy with cover • 1,000 L/min motor pump + fire hose nozzle

BENEFITS

Capacity
Can carry up to 4,000 L of liquids or 4 tonnes of solid waste.

Certified design
6.50 m vessel certified by Bureau Veritas and manufactured in France.

Operational versatility
Equipped for afloat pump-out operations, freshwater delivery and firefighting.

Modular & scalable
Wide range of options including marine-debris cages, oleophilic skimmers and waste-sorting modules.



Group

AZURE TREND

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