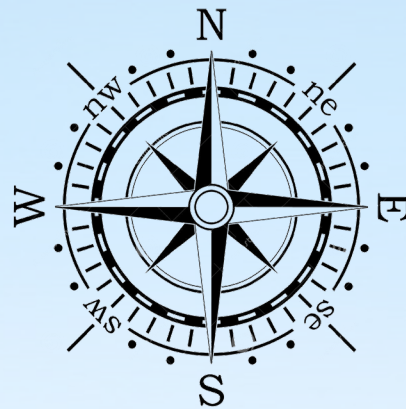


Marine & Offshore



**Complete range of pumps
for any shipping application**

Since 1974

**Pumps
Boosters**

MARCO PUMPS
P. MARCOMICHALIS & SON SA

Agents

Importers

Fire-Fighting The specialists in liquid transfer Manufacturers

MARCO PUMPS

MARCO PUMPS is supplying since 1974 high quality pumps and spares to almost all shipping companies, not only in Greece but also abroad.

MARCO PUMPS is one for the leading pump companies in Greece in the sectors of shipping, industry, construction and agriculture.

MARCO PUMPS is exclusive distributor in Greece of some of the biggest pump manufactures worldwide such as ARO, WILDEN, DAB, EBARA, TSURUMI, PEDROLLO, SYDEX, TRAVAINI, SEIM, STANDART, VARISCO, STAIRS, GILADRONI, FPZ and others.

MARCO PUMPS keeps always sufficient stock of pumps and spare parts to serve the demanding needs of the shipping companies in the best way and in the sortest time.

MARCO PUMPS is ISO 9001:2015 certified and all its products are meeting all European regulations (CE marked).

Our highly qualified, experienced, skilled and well organized sales staff consists exclusively of mechanical engineers with deep knowledge of all shipping pump applications.

CIRCULATORS

3-speed or with inverter wet rotor circulators

Single body consisting of a cast iron hydraulic unit. Diecast aluminium motor casing. Technopolymer impeller. Tempered stainless steel driving shaft mounted on graphite brushings lubricated by the pumped liquid itself. Stainless steel protective rotor sleeve, stator sleeve and closing flange. Ceramic thrust bearing, E.P.D.M. O-rings and brass air outlet cap. The two-pole asynchronous motor with wet rotor is self-protected for resistance.



Capacity up to 72 m³/h
Head up to 18 m
1/2" up to DN100

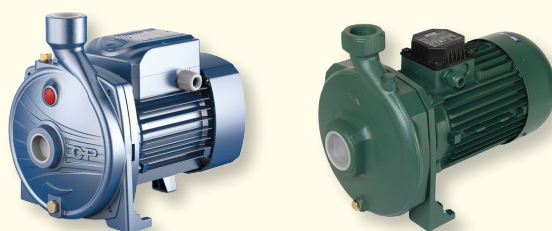
Applications

- Circulation cold and hot water
- Sanitary hot water

DISTILLATE

Centrifugal pumps for distillate application

Single impeller centrifugal pump suitable for distillate application (pumping from tanks under vacuum). Cast iron pump body and motor support. Stainless steel or technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation.



Capacity up to 11 m³/h
Head up to 40 m
1" up to 2"

Applications

- Distillate pump

IN-LINE CM,CP

Vertical In-Line pumps

Circulating pumps with in-line connections, suitable marine installations for heating and cooling. Pump body, motor support in cast iron, impeller in bronze. PN 16 flanged suction and delivery connections with threaded holes for control pressure gauges. Carbon/ceramic mechanical seal. Three-phase, asynchronous motor with external ventilation.



Capacity up to 420 m³/h
Head up to 57 m
1 1/2" up to DN150

Applications

- Cooling
- Water supply
- HVAC
- Ejector
- Other marine applications

BLOCK CENTRIFUGALS

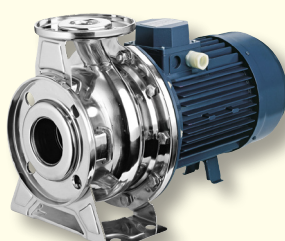
Close coupled pumps according to EN733

Single-stage, to DIN-EN733 (formerly DIN 24255). Asynchronous closed 2 or 4 pole motor with external ventilation. Rotor mounted on oversized ball bearings to ensure silent running and long life. The cast iron pumps **can also be installed vertically**, provided that motor is always above the pump. Various materials of construction available according to the application.



Cast Iron

Capacity up to 500 m³/h
Head up to 100 m
DN32 up to DN150



AISI 304 or 316

Capacity up to 250 m³/h
Head up to 90 m
DN32 up to DN80

Applications

- Cooling
- Water supply
- HVAC
- Ejector
- Other marine applications

IN-LINE SNL

Heavy duty vertical In-Line pumps

Close-coupled, volute casing, single stage, in-line centrifugal pumps with closed impeller. Flanges to EN 1092-2/PN16. Direct coupled with NORM electric motors comply with the VDI standards and IEC frame sizes. Due to back pull-out design the motor, motor pedestal, stuffing box cover and impeller can be dismantled without removing the volute casing from the pipe system. Cast iron base for easy installation.



Capacity up to 500 m³/h
Head up to 95 m
1 1/2" up to DN150

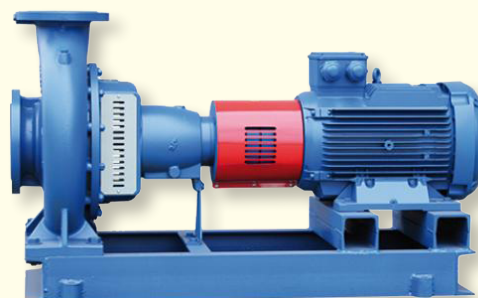
Applications

- Main sea water pump
- Water supply
- Cooling
- HVAC
- Fire-Fighting
- Ejector
- Bilge, ballast
- General service

BARE SHAFT CENTRIFUGALS

Bare shaft pumps according to EN733

Horizontal, radially split volute casing type, single stage, end suction centrifugal pumps with closed impeller. Dimensions to EN 733. Back-pull-out design. All impellers are balanced statically and dynamically. Various materials of construction available according to the application.



Capacity up to 2800 m³/h
Head up to 155 m
DN32 up to DN350

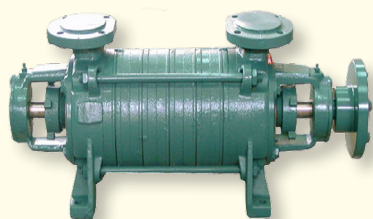
Applications

- Main sea water pump
- Water supply
- Cooling
- HVAC
- Fire-Fighting
- Ejector
- Bilge, ballast
- General service

SELF-PRIMING MULTISTAGE

Side-channel impeller self-priming multistage pumps

These pumps are established for many years as classic in their field of application. They self-prime effectively without footvalve down to 8m. Their low rotation speed (145-1750) rpm ensures minimal wear and longer life. Cast iron or all bronze construction with AISI316 shaft. For working temperatures above 60 °C the pumps are made with 1 or 2 brackets (series M1 and M2 respectively). In these series sealing is achieved either by teflon soft packing or by mechanical seal.



Capacity up to 36 m³/h
Head up to 250 m
1" up to DN65

Applications

- Boiler feeding
- Sanitary
- Fresh water
- Diesel and light oils
- Condensates
- Bilge waters

SELF-PRIMING, OPEN IMPELLER

Self-priming centrifugal pumps with open type impeller

Rapid self-priming without foot valve. Once filled with water, the pump is automatically primed to a height of 7,5 m. Heavy duty casing in cast iron, bronze or stainless steel. Easily opened priming, drain and impeller inspection covers. Ductile iron, aluminium bronze or stainless steel semi-open impeller handling large diameter spherical solids. Externally lubricated mechanical seal. Can run dry on high vacuum even when pumping highly abrasive liquids.



Capacity up to 1200 m³/h
Head up to 75 m
1 1/2" up to 10"

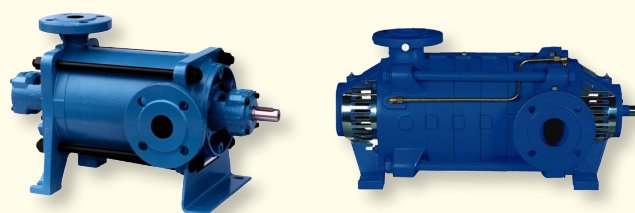
Applications

- Bilge
- Ballast
- Sewage
- General service
- Fire-fighting
- Loading and unloading
- Stripping
- Sanitary duty and circulation

MULTISTAGE

Horizontal multistage pumps with closed impellers

The impellers are in series so that the head increases from stage to stage. The axial thrusts are balanced by balancing blades on the back of the impeller and the rest are absorbed by the heavy duty ball bearings. The design uses the latest foundry technologies. This allows for one piece components which effectively increases pump efficiencies, at the same time, reducing the weight of the pump without sacrificing the overall strength and durability. Various materials available.



Capacity up to 40 m³/h (on demand up to 700 m³/h)
Head up to 400 m
1" up to DN65 (on demand up to DN200)

Applications

- Boiler feeding
- Heating
- Water supply piping
- Autoclaves
- Fire-fighting

VERTICAL MULTISTAGE

Vertical centrifugal multistage pumps with closed impellers

Vertical multistage centrifugal electric pumps available in various versions: cast iron, AISI 304 stainless steel, AISI 316 stainless steel. Reliable, strong, silent and easy to service. Can be coupled with standard EIC motors and offer state-of-the-art technical solutions. Self-ventilated 2 pole asynchronous motor. Class of insulation F. IP55 protection rating



Made by AISI304 or AISI316 stainless steel.

Capacity up to 180 m³/h
Head up to 320 m
DN25 up to DN150

Other cast iron series available
Capacity up to 700 m³/h
Head up to 500 m
Qmax=700 m³/h, Hmax=500 m

Applications

- Boiler feeding
- Heating and air-conditioning
- Boosting
- Autoclaves
- Fire-fighting
- Washing
- Reverse osmosis

SUBMERSIBLES

Submersible dewatering and sewage pumps

Generally applicable high grade pump used efficiently in shipping applications. Maximum water depth 25m. Powerful to match the demands of tough jobs.

Proprietary impeller and shaver mechanism (special groove) ensures that waste waters and sewage are efficiently transferred.



Capacity up to 300 m³/h
Head up to 110 m
2" up to 8"



Capacity up to 300 m³/h
Head up to 44 m
2" up to DN150

Applications

- Dewatering of tanks
- Bilge waters
- Dirty waters
- Untreated sewage
- Waters with solids

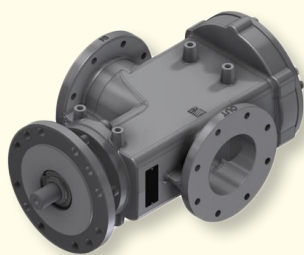
SCREW

Twin or triple screw pumps

Twin or triple screw pumps for filling and emptying tanks for various types of fluids of various compositions.

Double booster systems and flow meter systems developed for use with low viscosity fluids with low sulphur content, in keeping with environment and emissions standards, designed to be long-lasting with reduced maintenance costs. The entire range is implemented with assembled motor - pump units with MAGNETIC DRIVE.

RINA, BV, DNV, ABS class certification available on demand.



Capacity up to 200 m³/h
Pressure up to 40 bar
1" up to DN200

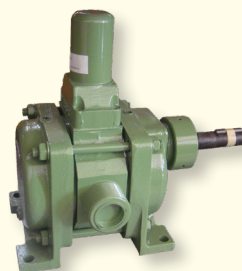
Applications

- Low Sulfur Marine Gas Oil
- Cargo and transfer
- Booster and separator
- Engine, thruster, gear box
- Boiler, Burner
- Hydraulic systems.
- Loading unloading
- Stripping

GEAR

Submersible dewatering and sewage pumps

Gear self-priming pumps. Reversible operation. Simple and robust. They require minimal maintenance. . Internal or external gear design. The liquids must not contain solid particles. Various materials of construction available.



Capacity up to 360 m³/h
Pressure up to 16 bar
1/2" up to DN250

Applications

- Diesel and heavy fuel oil
- Booster and separator
- Engine, thruster, gear box
- Hydraulic systems.
- Loading unloading
- Stripping

HELLICAL ROTOR SCREW

Progressive cavity crew pumps

Multiple application, high performance industrial pump range. Available in block or long coupled configuration and a wide range of materials. Suitable for general industry, wastewater, oil & gas, marine and many more applications.

Available in a wide range of materials, including cast iron, stainless steel 304 and 316 through to Duplex steel.



Capacity up to 300 m³/h
Pressure up to 48 bar
1" up to DN200"

Applications

- Sludge
- Bilge waters
- Oily water separator
- Oils

LIQUID RING VACUUM

Liquid ring vacuum pumps

Pumps are capable of handling high volumes of vapours, condensables and liquids. Pump service liquid can be water or other liquids such as oils, solvents etc. to satisfy almost any requirements. Available in a variety of materials such as cast iron, bronze, AISI316 and others.



Capacity up to 30000 m³/h
Final vacuum 33 mbar
1" up to DN500

Applications

- Vacuum applications
- Sewage collection tanks
- Priming of centrifugal pumps

BLOWERS

FPZ side channel blowers

All standard FPZ blowers are supplied with fitted In-Outlet silencers which can then be adapted to the different usage configurations. The impellers are made of aluminium alloy and dynamically balanced. The range of blowers consists of 4 different families:

MS = Single impeller single stage MD = Single impeller double stage
TS = Twin impeller single stage TD = Twin impeller double stage



Capacity up to 2600 m³/h
Pressure (or vacuum) up to 750 mbar
1/2" up to 130 mm

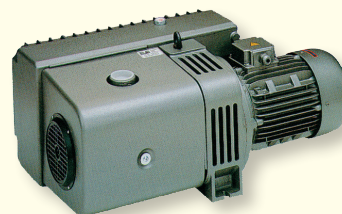
Applications

- Vacuum applications
- Aeration
- Sewage treatment

OIL & DRY VACUUM

Oil lubricated or dry type vacuum pumps

Are used when the intake flow may contain moisture, or when a better final pressure is required. May run continuously within certain pressure ranges, or connected to containers to be emptied, whose volume is appropriately sized for the pump flow rate.



Capacity up to 305 m³/h
Final vacuum 0,2 mbar (with oil), 120 mbar (dry type)
9 mm up to 2"

Applications

- Vacuum applications
- Sewage collection tanks

PRESSURE TANKS

Membrane pressure tanks

Membrane pressure tanks with fixed or replaceable membrane. Available in standard steel epoxy painted or stainless steel body. Membrane in butyl or EPDM rubber. Max working temperature +99 °C



Volume up to 5000 lt
Pressure up to 25 bar
Water inlet 1" up to 3"

Applications

- Automatic booster sets
- Water hammer
- Expansions

ARO METAL PUMPS

Double diaphragm, air operated pumps

ARO metal Air-Operated Double-Diaphragm (AODD) Pumps ensure reliability without sacrificing ease of maintenance. The Original Series AODD pumps are ready for rugged utilitarian applications that require a robust design, yet offer simple installation and easy serviceability. Available in aluminum, cast iron and stainless steel AISI316. Large elastomer offerings to meet any abrasion, temperature and chemical-compatibility challenges.



Capacity up to 62 m³/h
Pressure up 8,6 bar (special series for up to 18 bar)
1/2" up to 3"

Applications

- Bilge waters
- Oils and petroleum products
- Fuels
- Sludge
- General dewatering
- Flameproof applications

EMERGENCY FIRE

Diesel driven pumps

Single or multistage centrifugal pumps driven by diesel engines for emergency use. Close coupled or by means of flexible coupling. Starting either with rope (only the small sizes) or by electric starter by means of 12V DC battery.

Pump materials of construction suitable for sea water.



Capacity up to 150 m³/h
Head up to 120 m
2" up to DN100

Applications

- Emergency fire pump

ARO PLASTIC PUMPS

Double diaphragm, air operated pumps

ARO plastic pumps are a great choice when chemical compatibility is a factor and the chemicals pumped are not compatible with metal pumps.

ARO pumps have the largest material and elastomer offerings in the industry to meet any abrasion, temperature and chemical-compatibility challenges.



Capacity up to 64 m³/h
Pressure up 8,6 bar
1/4" up to 3"

Applications

- Chemicals in general
- Chemical cleaning of pipes
- Loading and unloading
- Corrosive liquids

ACCESSORIES

Float and pressure switches, foot valves etc.

A big variety of pump accessories is available from MARCO PUMPS, such as float and pressure switches, check valves, foot valves, pressure gauges, expansion joints, fire nozzles, hoses, distiguishers etc.



Applications

- Pump accessories



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Pumps Agents
Booster Sets Importers
Fire-Fighting Manufacturers

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