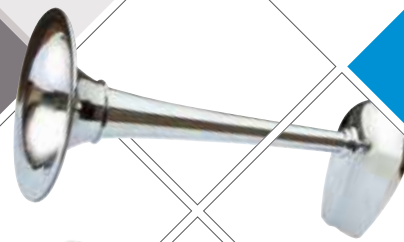


# MATE

USA



## PUMPS SIGNAL HORNS



MARCO®



## ABOUT US

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MATE USA was developed thanks to the partnership between **Tessilmare** and **Marco**, two of the world's premier marine product suppliers.

**Tessilmare** is renowned for providing some of the most affordable, durable, and attractive ranges of rub rails anywhere in the world.

Founded in Italy in 1947, you know you're getting a high-quality product, with a precision finish.

**Marco** produces and sells one of the most comprehensive ranges of pumps and horns available worldwide.

Founded in Italy in 1970, they supply products to international manufacturers in the marine, automotive, industrial and agricultural sectors using the most advanced technology and the highest International Quality Standards.

The international experience of both Italian companies is the base on which **MATE USA** built their ambitious distribution plan.

Through market research and global innovation, **MATE USA** is constantly growing and expanding to meet global demand.

**MATE USA** understands what it takes to be successful in a high-speed, online, global marketplace. The company has been providing top of the line, affordable and durable marine products throughout the United States for almost 10 years.

As part of its ongoing commitment to excellence and product innovation, **MATE USA** has constantly been striving to upgrade its services and products. **MATE USA** has an ever-increasing number of partners and distributors across North America. They are also attending over 25 trade shows and exhibition shows this year.

### **MATE USA is structured for daily deliveries.**

That means that when you order your products from **MATE USA**, they'll be on their way to you within 24-hours!



# PUMPS SELECTION GUIDE

Type	12V	24V	220V	110V	Max. Flow Rate gpm	Max. Pressure Psi	Fresh Water	Salt Water	Greywater	Diesel	Oil	Submersible	Automatic	High Pressure	Electronic	Integrated Switch	Reversible	Portable Kit	Page
UP2000	•	•			33.3	5.8	•	•				•							4
UP3700		•			61.6	7.3	•	•				•							4
UP1-B	•	•			11.9	21.8	•	•	•								•		4
UP1	•	•			9.2	17.4	•	•	•								•		5
UP1-M	•	•			11.9	21.8	•	•	•								•		5
UP1-J	•	•			7.4	14.5	•	•	•								•		5
UP1-JS	•	•			7.4	14.5	•	•	•							•			5
UP1-JR	•	•			7.4	14.5	•	•	•							•	•		5
UP2/E	•	•			2.6	29	•	•				•			•				6
UP3/E	•	•			4	36.3	•	•				•			•				6
UP6/E	•	•			6.9	36.3	•	•				•			•				6
HIGH PRESSURE UP6/E	•	•			6.9	50.8	•	•				•	•		•				6
UP12/E	•	•			9.5	36.3	•	•				•			•				6
HIGH PRESSURE UP12/E	•	•			9.5	50.8	•	•				•	•		•				6
UP14/E	•	•			12.2	36.3	•	•				•			•				6
HIGH PRESSURE UP14/E	•	•			12.2	50.8	•	•				•	•		•				6
DP3/E	•	•			3.7	43.5	•	•				•			•				8
DP9/E	•	•			3.2	65.3	•	•				•	•		•				8
DP12/E	•	•			4	87	•	•				•	•		•				8
UP2	•	•			2.6	21.8				•							•		9
UP3	•	•			4	29				•							•		9
UP3-S	•	•			4	29				•						•			9
UP3-R	•	•			4	29				•						•	•		9
UP6	•	•			6.9	29				•						•	•		9
UP8	•	•			2.6	58				•			•				•		9
UP9	•	•			3.2	72.5				•			•				•		9
UP10	•	•			4.8	101.5				•			•				•		9
UP12	•	•			9.5	29				•							•		9
UP14	•	•			12.2	29				•							•		9
UP2/E-BR	•	•			2.6	29				•	•		•						10
UP3/E-BR	•	•			4	36.3				•	•		•						10
UP6/E-BR	•	•			6.9	36.3				•	•		•						10
UP9/E-BR	•	•			3.2	69.3				•	•	•	•						10
UP12/E-BR	•	•			9.5	36.3				•	•		•						10
UP14/E-BR	•	•			12.2	36.3				•	•		•						10
UP1/AC			•	•	9.5	14.5	•	•	•										12
UP3/AC			•	•	3.2	87				•			•						12
UP6/AC			•	•	9	72.5				•			•						12
UP14/AC			•	•	13.9	58				•			•						12
VP45/AC			•	•	9.2	14.5				•									12
VP45	•	•			11.9	17.4				•								•	13
VP45-N	•	•			11.9	17.4				•									13
VP45-S	•	•			11.9	17.4				•					•				13
VP45-K	•	•			11.9	17.4				•								•	13
UP2/OIL	•	•			0.9	21.8					•						•		14
UP3/OIL	•	•			1.5	29					•						•		14
UP3/OIL-R	•	•			1.5	29					•					•	•		14
UP6/OIL	•	•			2.1	72.5					•		•				•		14
UP12/OIL	•	•			4	43.5					•						•		14
UP14/OIL	•	•			4.8	29					•						•		14
OCK1	•	•			1.5	29					•						•	•	15
OCK1-R	•	•			1.5	29					•					•	•	•	15
OCK1-E	•	•			4	29				•	•			•			•	•	15
OCK8-E	•	•			2.6	51				•	•		•	•	•	•	•	•	15
UP3-CK	•	•			4	29				•							•	•	15
UP8-RE	•	•			2.6	51				•	•						•		16
UP3-RK	•	•			4	29				•	•		•		•		•		16
UP6-RK	•	•			6.9	29				•	•						•		16
OCS3/E	•	•			2.6	29				•	•				•		•		17
OCS5/E	•	•			2.6	29				•	•				•		•		17
OCS6/E	•	•			4	29				•	•				•		•		17
OCS9/E	•	•	•	•	4	29				•	•				•		•		17

## BILGE AND WATER TRANSFER

Completely submersible bilge pumps. Compact design with ABS material housing, corrosion resistant. ISO 8849 and ISO 8846.



### UP2000

HEAVY DUTY



### UP3700

HEAVY DUTY



TYPE	PART NUMBER	VOLTS	LIFT	PORTS	FLOW RATE	AMPS	FUSE	DIMENSIONS	Pcs. x carton
UP2000	M160-160-12	12	13.1 ft.	1-1/4"	2000 gph	12	25A	7.2" x Ø3.8" x 4.6"	6
	M160-160-13	24	13.1 ft.	1-1/4"	2000 gph	6	15A	7.2" x Ø3.8" x 4.6"	6
UP3700	M160-180-13	24	16.4 ft.	1 - 1/2"	3700 gph	6	10A	7.9" x Ø4.3" x 5.1"	3

Automatic float switch for bilge pumps.

### AS2

MERCURY FREE



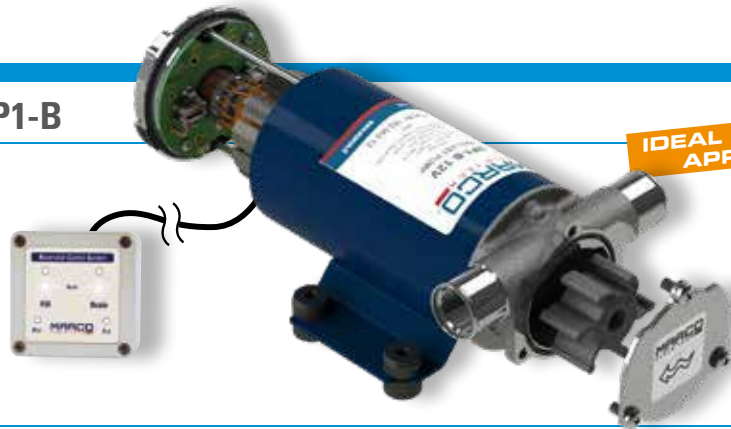
TYPE	PART NUMBER	AMPS	OFF / ON	WIRE	DIMENSIONS	Pcs. x carton
AS2	M161-002-20	max. 10	1" / 2.2"	2.8 ft	4.7" x 3.2" x 2.7"	24

## BALLAST PUMP

Self-priming electric impeller pump for fast transfer of fresh or salt water. Fitted with water proof cable guide and internal brush holder with EMI filter. ISO 8846 and ISO 8849. Compact design, high flow rate. Ideal for ballast application.

### UP1-B

IDEAL FOR BALLAST APPLICATIONS



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE	FLOW RATE	AMPS	FUSE	PORTS	THREAD
UP1-B	M162-003-12	12	4.9 ft	21.8 psi	11.9 gpm	14	20 amps	1"	1/2" BSP
	M162-003-13	24	4.9 ft	21.8 psi	11.9 gpm	7	15 amps	1"	1/2" BSP



## BILGE AND SALT WATER PUMPS

Self-priming electric pump with flexible nitrile impeller. Now available in 3 different flow rates: 7.4, 9.2 and 11.9 gpm. Fitted with water proof cable guide and internal brush holder with EMI filter. ISO 8846 and ISO 8849. Ideal for bilge, waste water and ballast tank on any type of boat.

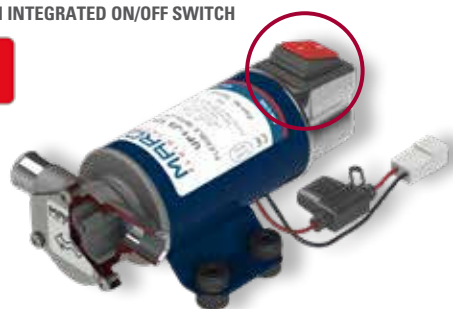


### UP1-J



### UP1-JS

WITH INTEGRATED ON/OFF SWITCH



### UP1-JR

WITH INTEGRATED REVERSING SWITCH



### UP1



### UP1-M



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE	FLOW RATE	AMPS	FUSE	PORTS	THREAD
UP1-J	M162-004-12	12	4.9 ft	14.5 psi	7.4 gpm	8	10 amps	3/4"	3/8" BSP
	M162-004-13	24	4.9 ft	14.5 psi	7.4 gpm	4	7.5 amps	3/4"	3/8" BSP
UP1-JS	M162-010-12	12	4.9 ft	14.5 psi	7.4 gpm	8	10 amps	3/4"	3/8" BSP
	M162-010-13	24	4.9 ft	14.5 psi	7.4 gpm	4	7.5 amps	3/4"	3/8" BSP
UP1-JR	M162-011-12	12	4.9 ft	14.5 psi	7.4 gpm	8	10 amps	3/4"	3/8" BSP
	M162-011-13	24	4.9 ft	14.5 psi	7.4 gpm	4	7.5 amps	3/4"	3/8" BSP
UP1	M162-002-12	12	4.9 ft	17.4 psi	9.2 gpm	10	20 amps	1"	1/2" BSP
	M162-002-13	24	4.9 ft	17.4 psi	9.2 gpm	5	15 amps	1"	1/2" BSP
UP1-M	M162-006-12	12	4.9 ft	21.8 psi	11.9 gpm	14	20 amps	1"	1/2" BSP
	M162-006-13	24	4.9 ft	21.8 psi	11.9 gpm	7	15 amps	1"	1/2" BSP

# ELECTRONIC WATER SYSTEM PUMPS

**VARIABLE SPEED**



Self-priming automatic electric pumps with helical PTFE gears, integrated check valve and electronic control. Nickel-plated brass body and stainless steel shaft. Control panel available.

Main applications: fresh water pressure systems and shower kits on boats, sailing boats and campers. Available also in 13.8 gpm, 17.5 gpm and 21.1 gpm.

### Advantages:

- Constant control of pressure, current and voltage.
- The motor gradually runs to reach the required flow rate.
- There is no need for an accumulator tank.
- The electronic system tries to re-start the motor 4 times.
- Green/Red LED signals pump functions.
- Reduction of noise, current absorbtion and mechanical wearing.
- The pump is protected against short circuits and overloads.
- There is no need for a fuse.
- Blue flashing LED indicates empty tank.
- Integrated RJ11 cable for PCS connection

## UP2/E



## UP3/E



PCS available

## UP6/E



PCS available

## UP12/E



PCS available

## UP14/E



PCS included

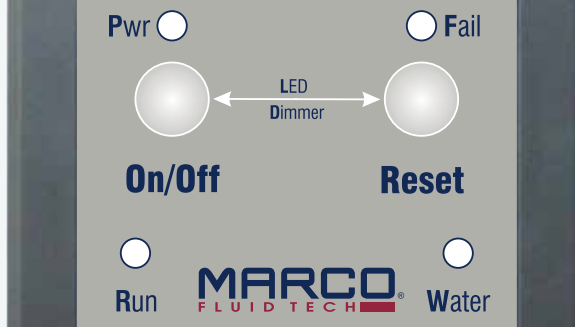
## SP2 Shower kit

Part Number 164 900 15



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE	FLOW RATE	AMPS	FUSE	PORTS (male)
UP2/E	M164-660-15	12/24	4.9 ft	29 psi	2.6 gpm	3 / 1.5	7.5 amps	3/8" NPT
UP3/E	M164-602-15	12/24	4.9 ft	36.3 psi	4 gpm	6 / 3	15 amps	3/8" NPT
UP6/E	M164-622-15	12/24	6.6 ft	36.3 psi	6.9 gpm	10 / 5	20 amps	1/2" NPT
	M164-622-13	24	6.6 ft	HIGH PRESSURE 50.8 psi	6.9 gpm	5	10 amps	1/2" NPT
UP12/E	M164-681-15	12/24	9.8 ft	36.3 psi	9.5 gpm	14 / 7	25 amps	1/2" NPT
	M164-681-13	24	9.8 ft	HIGH PRESSURE 50.8 psi	9.5 gpm	7	15 amps	1/2" NPT
UP14/E	M164-690-15	12/24	13.1 ft	36.3 psi	12.2 gpm	18 / 9	30 amps	3/4" NPT
	M164-690-13	24	13.1 ft	HIGH PRESSURE 50.8 psi	12.2 gpm	9	15 amps	3/4" NPT

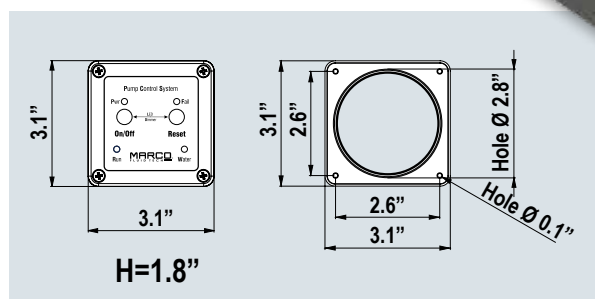
# PCS - CONTROL PANEL SYSTEM



The control panel allows remote monitoring and interaction with the electronic pump.

## CHARACTERISTICS

- The user can see when the pump is On and if there is still liquid to be transferred.
- In case of automatic stop of the pump for overload or run dry alarm, the user can reset the alarm and restart the system without turning off the power.
- With the push of a button, the pump can be turned on or off.
- The panel can quick connect to the 10ft RJ11/6 terminal cable integrated in the sensor of the pump.
- The panel can be recessed or mounted externally.
- The terminal allows the user to replicate the buttons and LED on an external circuit. The user can personalize the management of the functions through a third-party device.



TYPE	PART NUMBER	VOLTS	PROTECTION	DIMENSIONS	HOLE	CONNECTOR
PCS	M165-203-15	12/24	IP65	3.1"x3.1"x1.8"	2.8"	RJ11



# DECK WASHING PUMPS



Complete kits including a self-priming electric pump with electronic control. Equipped with helical PTFE gears, in-line filter, nickel plated brass body and check valve. With 50 ft stretchable hose and jet gun, equipped with quick-click connection, stop-jet, check valve and trigger with jet regulation. The kit are particularly suitable for washing operations either with salt or fresh water.



Quick connection for deck washing pumps



TYPE	PART NUMBER
DQC	M165-100-00

## DP3/E



NEW



15 m / 50 ft  
RETRACTABLE HOSE

## DP9/E



NEW



15 m / 50 ft  
RETRACTABLE HOSE

## DP12/E



NEW



15 m / 50 ft  
RETRACTABLE HOSE

TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE	FLOW RATE	AMPS	FUSE	PORTS (male)
DP3/E	M164-801-15	12/24	4.9 ft	43.5 psi	3.7 gpm	10A	15 amps	3/8" NPT
DP9/E	M164-821-15	12/24	4.9 ft	65.3 psi	3.2 gpm	12A	15 amps	3/8" NPT
DP12/E	M164-841-15	12/24	9.8 ft	87 psi	4 gpm	24A	25 amps	3/8" NPT



# DIESEL TRANSFER GEAR PUMPS



Compact and professional self-priming electric pumps with bronze gears for transferring of liquids. Pump body in nickel-plated brass and stainless steel shaft.

Main applications: transfer of diesel fuel and antifreeze.



**UP3-S**  
WITH INTEGRATED ON/OFF SWITCH



M164-007-12	12V
M164-007-13	24V



**UP3-R**  
WITH INTEGRATED REVERSING SWITCH



M164-008-12	12V
M164-008-13	24V

**UP2**



**UP3**



**UP6**



**UP8**



**UP9**



**UP10**



**UP12**



**UP14**



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE	FLOW RATE	AMPS	FUSE	PORTS (male)
UP2	M164-200-12	12	4.9 ft	21.8 psi	2.6 gpm	3	5 amps	3/8" NPT
	M164-200-13	24	4.9 ft	21.8 psi	2.6 gpm	1.5	3 amps	3/8" NPT
UP3	M164-000-12	12	4.9 ft	29 psi	4 gpm	6	10 amps	3/8" NPT
	M164-000-13	24	4.9 ft	29 psi	4 gpm	3	5 amps	3/8" NPT
UP6	M164-060-12	12	6.6 ft	29 psi	6.9 gpm	10	15 amps	1/2" NPT
	M164-060-13	24	6.6 ft	29 psi	6.9 gpm	5	7.5 amps	1/2" NPT
UP8	M164-090-12	12	4.9 ft	58 psi	2.6 gpm	4	10 amps	3/8" NPT
	M164-090-13	24	4.9 ft	58 psi	2.6 gpm	2	5 amps	3/8" NPT
UP9	M164-100-12	12	4.9 ft	72.5 psi	3.2 gpm	5	15 amps	3/8" NPT
	M164-100-13	24	4.9 ft	72.5 psi	3.2 gpm	3	7.5 amps	3/8" NPT
UP10	M164-400-12	12	9.8 ft	101.5 psi	4.8 gpm	11	25 amps	3/8" NPT
	M164-400-13	24	9.8 ft	101.5 psi	4.8 gpm	5	20 amps	3/8" NPT
UP12	M164-300-12	12	13.1 ft	29 psi	9.5 gpm	14	20 amps	1/2" NPT
	M164-300-13	24	13.1 ft	29 psi	9.5 gpm	8	15 amps	1/2" NPT
UP14	M164-500-12	12	13.1 ft	29 psi	12.2 gpm	16	30 amps	3/4" NPT
	M164-500-13	24	13.1 ft	29 psi	12.2 gpm	8	20 amps	3/4" NPT

**NEW**

# 12/24V ADJUSTABLE SPEED ELECTRONIC PRESSURE PUMPS



Self-priming automatic electric pumps, 12/24V, with electronic control for the transfer of diesel and oil.

Helical bronze gears, NBR check valve, body and connections in nicked brass, stainless steel shaft.

The pumps are supplied with a High-Speed setting for Diesel transfer.

See next page for more information

The **integrated SCS control panel** allows the switch to the "Low-Speed" mode for the transfer of oil and viscous liquids.

### Advantages:

- Dual Operating Modes: High Speed for Diesel and Low Speed for Oil
- Constant control of pressure, current and voltage.
- The electronic system tries to re-start the motor 4 times.
- Green/Red LED signals pump functions.
- Reduction of noise, current absorption and mechanical wearing.
- The pump is protected against short circuits and overloads.
- There is no need for a fuse.
- Blue flashing LED indicates empty tank.
- Integrated RJ11 cable for SCS connection

### UP2/E-BR



### UP3/E-BR



### UP6/E-BR



### UP9/E-BR



### UP12/E-BR

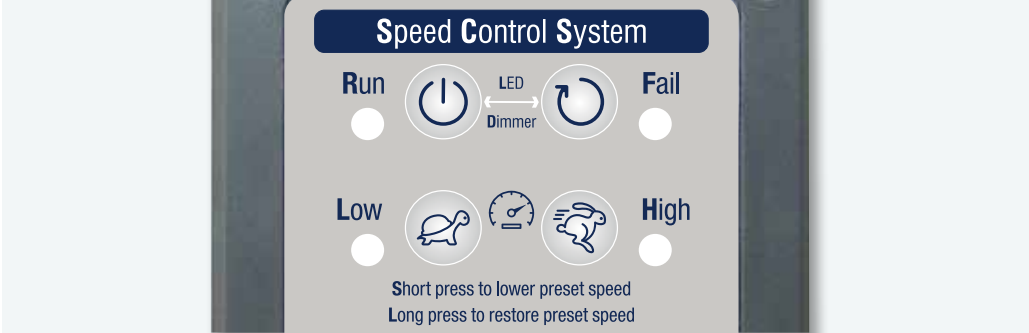


### UP14/E-BR



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE	FLOW RATE	AMPS	FUSE	PORTS (male)
UP2/E-BR	M164-700-15	12/24	4.9 ft	29 psi	2.6 gpm	3 / 1.5	7.5 amps	3/8" NPT
UP3/E-BR	M164-710-15	12/24	4.9 ft	36.3 psi	4 gpm	6 / 3	15 amps	3/8" NPT
UP6/E-BR	M164-720-15	12/24	6.6 ft	36.3 psi	6.9 gpm	10 / 5	20 amps	1/2" NPT
UP9/E-BR	M164-730-15	12/24	4.9 ft	69.3 psi	3.2 gpm	5 / 2.5	15 amps	3/8" NPT
UP12/E-BR	M164-750-15	12/24	9.8 ft	36.3 psi	9.5 gpm	14 / 7	25 amps	1/2" NPT
UP14/E-BR	M164-760-15	12/24	13.1 ft	36.3 psi	12.2 gpm	16 / 8	30 amps	3/4" NPT

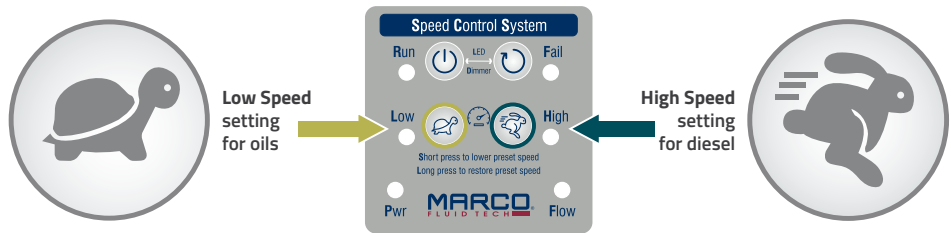
# SCS - SPEED CONTROL SYSTEM



The SCS panel controls the speed of the motor. The electronic pump can be set in High Speed for diesel or Low Speed for oil. The setting is kept when the panel is disconnected.

## CHARACTERISTICS

- The panel fine-tunes the speed for maximum efficiency. Various flow rates can be obtained according to liquids of a different viscosities.
- The panel allows remote monitoring and interaction with the pump. Without disconnecting, the pump can be checked and reset in case of malfunction.
- The panel can quick connect to the 10ft RJ11/6 terminal cable integrated in the sensor of the pump.
- The panel can be recessed or mounted externally.
- The terminal allows the user to replicate the buttons and LED on an external circuit. The user can personalize the management of the functions through a third-party device.



TYPE	PART NUMBER	VOLTS	PROTECTION	DIMENSIONS	CONNECTOR	HOLE
SCS	M165-204-15	12/24	IP65	3.1"x3.1"x1.8"	RJ11	2.8"



# 110V & 220V PUMPS



Self-priming electric pumps with gears for transferring of fuel and oils. Nickel-plated brass body and shaft in stainless steel AISI 420. Voltage available 110V and 220V single phase.

For 110V items minimum order quantity required.

## UP1/AC

**FLEXIBLE RUBBER IMPELLER**



## UP3/AC

**BRONZE GEARS**



## UP6/AC

**PTFE GEARS**



## UP14/AC

**PTFE GEARS**



## VP45/AC

**VANE PUMP**



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE max.	FLOW RATE max.	AMPS	MOTOR	FUSE	PORTS	THREAD
UP1/AC	M162-001-1B	110	4.9 ft	14.5 psi	9.5 gpm	6.6	550W	8 amps	1"	1/2" BSP
	M162-001-1C	230	4.9 ft	14.5 psi	7.9 gpm	3.3	550W	4 amps	1"	1/2" BSP
UP3/AC	M164-001-1B	110	4.9 ft	87 psi	3.2 gpm	1.6	150W	4 amps	1/2"	3/8" NPT
	M164-001-1C	230	4.9 ft	87 psi	2.6 gpm	0.8	150W	2 amps	1/2"	3/8" NPT
UP6/AC	M164-061-1B	110	4.9 ft	72.5 psi	9 gpm	3.4	550W	6 amps	5/8"	1/2" NPT
	M164-061-1C	230	4.9 ft	72.5 psi	7.4 gpm	1.7	550W	3 amps	5/8"	1/2" NPT
UP14/AC	M164-540-1B	110	9.8 ft	58 psi	13.9 gpm	3.4	550W	6 amps	3/4"	3/4" BSP
	M164-540-1C	230	9.8 ft	58 psi	11.6 gpm	1.7	550W	3 amps	3/4"	3/4" BSP
VP45/AC	M166-030-1C	230	4.9 ft	14.5 psi	9.2 gpm	0.8	150W	1.25 amps	1"	3/4" BSP



# DIESEL REFUELING VANE PUMPS



Self-priming electric vane pump with integrated by-pass valve. Aluminium body. Multiple quick-fit connections for 1" pipe. Rotor and vanes made of resin. Has brush holder with EMI filter, On/Off switch and battery clips.

Main applications: diesel, oil and antifreeze transfer. Available also with case and handle for easy transport.

## VP45-K Refuelling Kit



## VP45



## VP45-S

WITH INTEGRATED ON/OFF SWITCH



## VP45-N



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE max.	FLOW RATE max.	AMPS	FUSE	PORTS
VP45-K	M166-024-12	12	4.9 ft	17.4 psi	11.9 gpm	8	20 amps	1"
	M166-024-13	24	4.9 ft	17.4 psi	11.9 gpm	4	10 amps	1"
VP45	M166-020-12	12	4.9 ft	17.4 psi	11.9 gpm	8	20 amps	1"
	M166-020-13	24	4.9 ft	17.4 psi	11.9 gpm	4	10 amps	1"
VP45-S	M166-028-12	12	4.9 ft	17.4 psi	11.9 gpm	8	20 amps	1"
	M166-028-13	24	4.9 ft	17.4 psi	11.9 gpm	4	10 amps	1"
VP45-N	M166-026-12	12	4.9 ft	17.4 psi	11.9 gpm	8	20 amps	1"
	M166-026-13	24	4.9 ft	17.4 psi	11.9 gpm	4	10 amps	1"

# OIL TRANSFER GEAR PUMPS

**LOW SPEED**



Self-priming electric pumps with helical bronze gears for transferring lubricating oils and viscous liquids. Nickel-plated brass body and stainless steel shaft.

Main applications: draining engine sumps and lubricating engines.

**UP2/OIL**



**UP3/OIL**



**UP3/OIL-R**

WITH INTEGRATED REVERSING SWITCH



**UP6/OIL**



**UP12/OIL**



**UP14/OIL**



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE max.	MAX. FLOW RATE (OIL SAE 30 AT 77°F)	AMPS	FUSE	PORTS (male)
UP2/OIL	M164-220-12	12	3.3 ft	21.8 psi	0.9 gpm	2.5	3 amps	3/8" NPT
	M164-220-13	24	3.3 ft	21.8 psi	0.9 gpm	1.3	1.5 amps	3/8" NPT
UP3/OIL	M164-020-12	12	3.3 ft	29 psi	1.5 gpm	5	7.5 amps	3/8" NPT
	M164-020-13	24	3.3 ft	29 psi	1.5 gpm	3	4 amps	3/8" NPT
UP3/OIL-R	M164-022-12	12	3.3 ft	29 psi	1.5 gpm	5	7.5 amps	3/8" NPT
	M164-022-13	24	3.3 ft	29 psi	1.5 gpm	3	4 amps	3/8" NPT
UP6/OIL	M164-080-12	12	4.9 ft	72.5 psi	2.1 gpm	7	10 amps	3/8" NPT
	M164-080-13	24	4.9 ft	72.5 psi	2.1 gpm	4	7.5 amps	3/8" NPT
UP12/OIL	M164-320-12	12	6.6 ft	43.5 psi	4 gpm	11	15 amps	1/2" NPT
	M164-320-13	24	6.6 ft	43.5 psi	4 gpm	6	7.5 amps	1/2" NPT
UP14/OIL	M164-520-12	12	6.6 ft	29 psi	4.8 gpm	14	20 amps	3/4" NPT
	M164-520-13	24	6.6 ft	29 psi	4.8 gpm	7	15 amps	3/4" NPT

# OIL & DIESEL TRANSFER KITS



Compact size oil change kits. Easy to operate and carry. Reversible: drains and fills oil and diesel. Complete with bronze gear pump, clips, fuse, hoses and accessories.

## OCK1

Oil change kit with manual control, 12V or 24V. Reversible: drains and fills oils.



## OCK1-R

Compact size oil change kit with integrated 3-position switch for flow reversibility.



## OCK1-E

Electronic control panel and 12/24V universal voltage. Variable speed of the motor proportional to the liquid viscosity. Suitable for oil and diesel.



## OCK8-E

**NEW**

Electronic oil change kit with integrated Smart Keypad to reverse the flow direction and to manually fine tune the flow rate. Best for oil and diesel transferring.



## UP3-CK

Self-priming electric pump with bronze gears for diesel transfer. Complete with On/Off switch, cable with integrated fuse and battery clips.



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE max.	MAX. FLOW RATE (OIL SAE 30 AT 77°F)	AMPS	FUSE	PORTS (male)	THREAD
OCK1	M164-930-12	12	3.3 ft	29 psi	1.5 gpm	6	10 amps	1/2"	3/8" BSP
	M164-930-13	24	3.3 ft	29 psi	1.5 gpm	3	5 amps	1/2"	3/8" BSP
OCK1-R	M164-932-12	12	3.3 ft	29 psi	1.5 gpm	5	10 amps	1/2"	3/8" BSP
	M164-932-13	24	3.3 ft	29 psi	1.5 gpm	3	5 amps	1/2"	3/8" BSP
OCK1-E	M164-931-15	12/24	3.3 ft	29 psi	4 gpm	max 6	7.5 amps	1/2"	3/8" BSP
<b>NEW</b> OCK8-E	M164-936-15	12/24	4.9 ft	<b>HIGH PRESSURE</b> 51 psi	2.6 gpm	4	15 amps	1/2"	3/8" BSP
UP3-CK	M164-006-12	12	4.9 ft	29 psi	4 gpm	6	10 amps	1/2"	3/8" BSP
	M164-006-13	24	4.9 ft	29 psi	4 gpm	3	5 amps	1/2"	3/8" BSP



# REVERSIBLE ELECTRONIC PUMPS FOR OIL & DIESEL

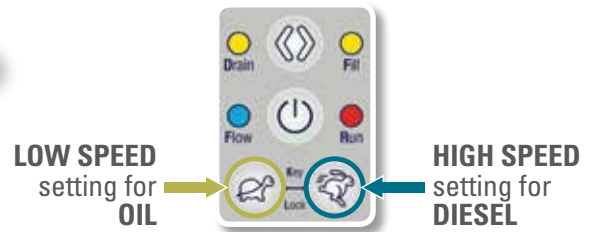


Heavy duty Electronic Gear pump with Integrated Smart Keypad to reverse the flow direction and to manually fine tune the flow rate; the flow rate is also automatically adjusted according to the viscosity of the fluid to avoid cavitation. Best for oil and diesel transferring. Compact and easy to operate and carry.

## UP8-RE **NEW**



### INTEGRATED SMART KEYPAD



Pumps for oil and diesel filling and draining with electronic controls. The touchpad electronic sensor adjusts the speed of the motor according to the liquid viscosity and temperature. Compact design. Automatic shut-off for empty tank and short circuit. System will shut-off after 30 minutes of operation. Fittings with 1 or 2 valves available.

## UP3-RK



3/8" valve



TYPE	PART NUMBER
OCP1/3	M165-030-00

Two 3/8" valves and 1 NPT fitting



TYPE	PART NUMBER
OCP2/3	M165-031-00

## UP6-RK



1/2" valve



TYPE	PART NUMBER
OCP1/6	M165-032-00

Two 1/2" valves and 1 NPT fitting



TYPE	PART NUMBER
OCP2/6	M165-033-00

TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE max.	FLOW RATE	AMPS	FUSE	PORTS (male)
UP8-RE	M164-095-15	12/24	4.9 ft	51 psi	2.6 gpm	4 / 2	15 amps	3/8" NPT
UP3-RK	M164-005-15	12/24	4.9 ft	29 psi	4 gpm	6 / 3	10 amps	3/8" NPT
UP6-RK	M164-064-15	12/24	6.6 ft	29 psi	6.9 gpm	10 / 5	10 amps	1/2" NPT



## OIL CHANGE SYSTEMS



Compact, easy to use oil change system for fixed installations that eliminates leaks. Used for oil filling and draining operations. Applications include generators, engines, transmissions and catwalks. The touchpad electronic sensor adjusts the speed of the motor according to the oil viscosity and temperature and increases the system speed during priming. Automatic shut-off for empty tank and short circuit. System will shut-off after 30 minutes of operation.

### OCS3/E



### OCS5/E



### OCS6/E



### OCS9/E



TYPE	PART NUMBER	VOLTS	SELF-PRIMING	PRESSURE max.	FLOW RATE	AMPS	FUSE	PORTS (male)
OCS3/E	M164-924-15	12/24	4.9 ft	29 psi	2.6 gpm	4 / 2	10 amps	1/2" NPT
OCS5/E	M164-925-15	12/24	4.9 ft	29 psi	2.6 gpm	4 / 2	10 amps	1/2" NPT
OCS6/E	M164-926-15	12/24	4.9 ft	29 psi	4 gpm	5 / 2.5	10 amps	1/2" NPT
OCS9/E	M164-928-15	12/24	4.9 ft	29 psi	4 gpm	5 / 2.5	10 amps	1/2" NPT
	M164-928-1H	110/240	4.9 ft	29 psi	4 gpm	0.6 / 0.3	1 amps	1/2" NPT

# IMO/USCG APPROVED HORNS

12-20 m (40-65 ft)



**SPECIAL ORDER**

Approved signaling whistle complete with chromed or white horn Ø200mm, electric compressor and mounting accessories. Meets COLREG 1972 IMO class IV regulations. Approvals: NMMA ABYC A-23, RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS.



## PW2



## PW2-BC



## PW2-BB



## M1-W



Compressor for PW2 series  
**INCLUDED**

MR50-000-33	12V
MR50-000-34	24V



20-75 m (65-246 ft)

**SPECIAL ORDER**

Approved signalling whistle complete with chromed or white horn Ø 300 mm. Electric valve and mounting accessories, for compressed air operation 6/12 bar. Meets COLREG 1972 IMO class III regulations. Approvals: NMMA ABYC A-23, RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS.



## PW3



## PW3-BC



## PW3-BB



## M3



Compressor for PW3 series  
**NOT INCLUDED**

M135-100-12	12V
M135-100-13	24V



TYPE	PART NUMBER	VOLTS	AMPS	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONS	Pcs. x carton
PW2	M150-000-12	12	25	123	315	5.8" x 18.1" x Ø7.9"	1
	M150-000-13	24	20	123	315	5.8" x 18.1" x Ø7.9"	1
PW2-BC	M150-002-12	12	25	123	315	8.1" x 17.2" x Ø7.9"	1
	M150-002-13	24	20	123	315	8.1" x 17.2" x Ø7.9"	1
PW2-BB	M150-003-12	12	25	123	315	8.1" x 17.2" x Ø7.9"	1
	M150-003-13	24	20	123	315	8.1" x 17.2" x Ø7.9"	1
PW3	M152-000-12	12	4,5	132	315	9.6" x 18.3" x Ø11.8"	1
	M152-000-13	24	2,5	132	315	9.6" x 18.3" x Ø11.8"	1
PW3-BC	M152-002-12	12	4,5	132	315	10.2" x 17.7" x Ø11.8"	1
	M152-002-13	24	2,5	132	315	10.2" x 17.7" x Ø11.8"	1
PW3-BB	M152-003-12	12	4,5	132	315	10.2" x 17.7" x Ø11.8"	1
	M152-003-13	24	2,5	132	315	10.2" x 17.7" x Ø11.8"	1

# IMO/USCG APPROVED HORNS

## 12-20 m (40-65 ft)



**SPECIAL  
ORDER**

Approved electronic whistle complete with loudspeaker, built-in touchpad control panel and electronic controller. New ultrasonic heating system for improved acoustic membrane performance. Meets COLREG 1972 IMO class IV international regulations with NMMA ABYC A-23, RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, and BSH homologations. Includes mounting kit.



### EW2



### EW2-M EW2-MS



IP68 Connector

## 20-75 m (65-246 ft)

**SPECIAL  
ORDER**

### EW3



### EW3-M EW3-MS



IP68 Connector

TYPE	PART NUMBER	VOLTS	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONS	Pcs. x carton	AVAILABLE FUNCTIONS				
								HORN	FOG	VHF INPUT	MIC	SIREN
EW2	M150-040-12	12	3	122	690	10.2" x 9.8" x 9.4"	1	•	•			
	M150-040-13	24	1,5	122	690	10.2" x 9.8" x 9.4"	1	•	•			
EW2-M	M150-041-12	12	3	122	690	10.2" x 9.8" x 9.4"	1	•	•	•	•	
	M150-041-13	24	1,5	122	690	10.2" x 9.8" x 9.4"	1	•	•	•	•	
EW2-MS	M150-044-12	12	3	122	690	10.2" x 9.8" x 9.4"	1	•	•	•	•	•
	M150-044-13	24	1,5	122	690	10.2" x 9.8" x 9.4"	1	•	•	•	•	•
EW3	M152-063-13	24	4	131	690	13.8" x 17.2" x 12.8"	1	•	•			
EW3-M	M152-060-13	24	4	131	690	13.8" x 17.2" x 12.8"	1	•	•	•	•	
EW3-MS	M152-064-13	24	4	131	690	13.8" x 17.2" x 12.8"	1	•	•	•	•	•



# HORNS & WHISTLES



**SPECIAL ORDER**



Electromagnetic horn for small boats. High impact casing in chromed or white ASA. Mounting bracket in AISI 304 stainless steel. Excellent drainage system. Protection IP65.

## SK1



## SK1/C



TYPE	PART NUMBER	VOLTS	DIMENSIONS	dB (A) (3.3 ft)	Hz	AMPS
SK1	M132-081-22	12	3.9" x 3.9" x 5.6"	108	400	5
SK1/C	M132-082-22	12	3.9" x 3.9" x 5.6"	108	400	5

**SPECIAL ORDER**



Internally mounted electromagnetic horn for small rubber and sailing boats. Body in chromed or white ASA. UV resistant. Grille in white or chromed ASA with snap-on system.



## SM1



## SM1/C



TYPE	PART NUMBER	VOLTS	DIMENSIONS	dB (A) (3.3 ft)	Hz	AMPS
SM1	M132-101-22	12	4.6" x 3.5" x 4.3"	108	400	5
SM1/C	M132-102-22	12	4.6" x 3.5" x 4.3"	108	400	5

**SPECIAL ORDER**

Single or double electromagnetic horn with stainless steel trumpet, bracket and membrane. New support design with integrated cable. Complete with fixing hardware.



## EMX1



## EMX2



## EMX1/2



TYPE	PART NUMBER	VOLTS	LENGTH	dB (A) (3.3 ft)	Hz	AMPS
EMX1	M132-043-12	12	18.5"	119	340	6
	M132-043-13	24	18.5"	119	340	3
EMX2	M132-042-12	12	15.7"	119	370	6
	M132-042-13	24	15.7"	119	370	3
EMX1/2	M132-061-12	12	18.5"/15.7"	122	340/370	12
	M132-061-13	24	18.5"/15.7"	122	340/370	6



# HORNS & WHISTLES



## HURRICANE

Enclosure type electro-pneumatic horn for boats with integrated compressor. ASA grille and steel bracket. Extremely powerful.



### HR1



### HR1/C



TYPE	PART NUMBER	VOLTS	DIMENSIONS	dB (A) (3.3 ft)	Hz	AMPS
HR1	M134-080-12	12	5.3" x 7.7" x 6.6"	120	300	20
	M134-080-13	24	5.3" x 7.7" x 6.6"	120	300	11
HR1/C	M134-081-12	12	5.3" x 7.7" x 6.6"	120	300	20
	M134-081-13	24	5.3" x 7.7" x 6.6"	120	300	11

Multifunction electronic whistle with loudspeaker, AISI 316 stainless steel bracket and electronic unit. Waterproof. Available with the following functions: horns, automatic fog signal, VHF input, microphone and siren.

## EMH-M EMH-MS



TYPE	PART NUMBER	VOLTS	PROTECTION	dB (A) (3.3 ft)	Hz	DIMENSIONS
EMH-M	M136-001-12	12	IP66	112	800	6.1" x 4.8" x 5.2"
	M136-001-13	24	IP66	112	800	6.1" x 4.8" x 5.2"
EMH-MS	M136-002-12	12	IP66	112	800	6.1" x 4.8" x 5.2"
	M136-002-13	24	IP66	112	800	6.1" x 4.8" x 5.2"

# HORNS FOR BIKES, CARS & TRUCKS



**INTEGRATED COMPRESSOR**

## Tornado

Twin tone electric air horn. The integrated compressor enables immediate sound output when pressing the push button. No air hosing is therefore required. Powerful sound. Easy installation with single fixing point. Electromagnetic compatibility: R. 10 ECE-ONU. Relay included in the kit.

The split versions **TR2/S** and **TR2/SW** enable multiple fixing possibilities.



**SPLIT VERSION**

**SPLIT VERSION**

### TR2



### TR2/C

CHROME FINISHING



### TR2/W

**NEW**

**HEAVY DUTY**



SOUND LEVEL GUARANTEED UP TO **-13°F**

TYPE	PART NUMBER	VOLT	dB (A) (2m)	Hz	AMP.	APPROVAL	WEIGHT
TR2	M112-030-12	12	≥ 112	520/660	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-030-13	24	≥ 112	520/660	≤ 11	R. 28 ECE-ONU	0,8 kg
TR2/C	M112-031-12	12	≥ 112	520/660	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-031-13	24	≥ 112	520/660	≤ 11	R. 28 ECE-ONU	0,8 kg
TR2/W	M112-032-12	12	≥ 112	520/660	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-032-13	24	≥ 112	520/660	≤ 11	R. 28 ECE-ONU	0,8 kg
TR2/S	M112-035-12	12	≥ 112	520/660	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-035-13	24	≥ 112	520/660	≤ 11	R. 28 ECE-ONU	0,8 kg
TR2/SW	M112-036-12	12	≥ 112	520/660	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-036-13	24	≥ 112	520/660	≤ 11	R. 28 ECE-ONU	0,8 kg

## HURRICANE

Single sound electric air horn. The integrated compressor enables immediate sound output when pressing the push button. No air hosing is therefore required. Powerful sound. Easy installation with single fixing point. Electromagnetic compatibility: R. 10 ECE-ONU. Relay included in the kit.

### HT1



### HT1/C

CHROME FINISHING



### HT1/W

**NEW**

**HEAVY DUTY**



SOUND LEVEL GUARANTEED UP TO **-13°F**

TYPE	PART NUMBER	VOLT	dB (A) (2m)	Hz	AMP.	APPROVAL	WEIGHT
HT1	M112-310-12	12	≥ 110	310	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-310-13	24	≥ 110	310	≤ 11	R. 28 ECE-ONU	0,8 kg
HT1/C	M112-311-12	12	≥ 110	310	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-311-13	24	≥ 110	310	≤ 11	R. 28 ECE-ONU	0,8 kg
HT1/W	M112-312-12	12	≥ 110	310	≤ 20	R. 28 ECE-ONU	0,8 kg
	M112-312-13	24	≥ 110	310	≤ 11	R. 28 ECE-ONU	0,8 kg

# HORNS FOR BIKES, CARS & TRUCKS

**DOUBLE  
COMPRESSOR**



Very powerful electric air horn with deep and loud sound. Xtreme Blast is the twin-tone horn most powerful of its category. The use of two electric compressors ensures a proper level of sound pressure for each of the two acoustic trumpets. Highly versatile and compact, it can be easily installed on any type of vehicle. The horn is composed of two heavy duty compressors and a high resistance nylon base with two chromed metal or matt black trumpets. It is supplied with relay, air hoses and fixing hardware.



## XB2



## XB2/B

MATT BLACK FINISHING



TYPE	PART NUMBER	VOLT	dB (A) (2m)	Hz	AMP.	LENGTH mm	MOUTH Ø mm	WEIGHT
XB2	M112-360-12	12	≥ 116	338/422	≤ 36	389	80	2,3 kg
	M112-360-13	24	≥ 116	338/422	≤ 18	389	80	2,3 kg
XB2/B	M112-362-12	12	≥ 116	338/422	≤ 36	389	80	2,3 kg
	M112-362-13	24	≥ 116	338/422	≤ 18	389	80	2,3 kg

Electromagnetic horns 12V and 24V for internal mounting, complete with fixing bracket. Spiral acoustic unit in high resistance plastic material. Two pins. 80mm diameter. R.28 ECE-ONU approval.

## TM80/H

HIGH TONE



## TM80/L

LOW TONE



TYPE	PART NUMBER	VOLT	dB (A) (2m)	Hz	AMP.	APPROVAL	WEIGHT
TM80/H	M100-030-12	12	≥ 109	500 ± 5%	≤ 4,0	R. 28 ECE-ONU	0,2 kg
	M100-030-13	24	≥ 109	500 ± 5%	≤ 2,5	R. 28 ECE-ONU	0,2 kg
TM80/L	M100-031-12	12	≥ 109	400 ± 5%	≤ 4,0	R. 28 ECE-ONU	0,2 kg
	M100-031-13	24	≥ 109	400 ± 5%	≤ 2,5	R. 28 ECE-ONU	0,2 kg





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