

CATALOGO NAUTICA MARINE CATALOGUE



2018

MARCO[®]
MARINE TECH



Company certifications

L'AZIENDA

Impegno concreto e crescita costante. Queste sono le basi su cui, da oltre quarant'anni, la MARCO S.p.A. fonda la sua esperienza. Nata nel 1970 dall'intuizione del fondatore, Giovanni Marco Franceschini, è oggi una realtà d'alto livello nel settore delle pompe elettriche e degli avvisatori acustici.

In una sede di oltre 8.000 metri quadrati si producono pompe per applicazioni professionali nei settori marino, industriale, automotive e agricolo, utilizzando attrezzature d'avanguardia e sofisticate strumentazioni per la progettazione ed il collaudo dei prodotti.

Inoltre si producono trombe e clacson per imbarcazioni, auto e camion.

Attualmente la tecnologia applicata consente di raggiungere livelli qualitativi sempre maggiori, conformi ai più alti standard internazionali, creando prodotti competitivi che sono quotidianamente esportati in oltre 80 paesi.

L'esperienza maturata nel passato, l'evoluzione tecnologica degli ultimi anni e l'attenta espansione sui mercati ha consentito alla MARCO di diventare azienda leader del proprio settore, anche grazie ad una organizzazione competente e versatile in grado di mettere al servizio della propria clientela una struttura di assoluta professionalità.

DIE FIRMA

Konkreter Einsatz und regelmäßiger Wachstum sind die Basis der Erfahrung auf die sich die MARCO S.P.A. stützt. 1970 wurde sie von Giovanni Marco Franceschini gegründet und ist heute im Bereich der elektrischen Pumpen und der Signal-anlagen auf höchstem Niveau sehr aktiv.

Auf über 8000 Quadratmetern werden professionelle Umfüllpumpen für die Marineindustrie, die Landwirtschaft, sowie für die Automobilindustrie hergestellt. Benutzt werden fortschrittliche Maschinen und anspruchsvolle Geräte, um dem Entwurf der Produkte und ihrer Prüfung gerecht zu werden. Außerdem werden Hörner und Hupen für Boote, Kfz und LKWs produziert.

Gegenwärtig ermöglicht die Anwendung dieser fortschrittlichen Technologien, immer bessere und konkurrenzfähigere Produkte gemäß internationalen Standarten herzustellen, so dass sie mittlerweile täglich in über 80 Ländern exportiert werden.

Die in der Vergangenheit gesammelte Erfahrung, die technologischen Entwicklungen der letzten Jahre, sowie eine aufmerksam geleitete Expansion auf den ausländischen Märkten, haben der MARCO erlaubt, eine leitende Rolle im eigenen Produktionsgebiet zu übernehmen, auch dank einer kompetenten und wendigen Organisation, die immer in der Lage gewesen ist, dem Kunden eine absolut professionelle Struktur anzubieten.

LA MAISON

Engagement concret et augmentation constante sont les bases sur lesquelles la maison MARCO S.P.A. a fondé son expérience. Fondée en 1970 par le patron Giovanni Marco Franceschini c'est aujourd'hui une réalité de haute niveau dans le domaine des pompes électriques et des avertisseurs sonores.

Dans son siège de plus de 8.000 mètres carrés, on fabrique pompes pour applications professionnelles, dans les secteurs marin, industriel, automobile et agricole, en utilisant équipement d'avant-garde et d'autres appareillages sophistiqués pour le projet et l'essai des produits.

En outre on fabrique avertisseurs pour bateaux, voitures et camions.

Actuellement la technologie appliquée permet d'atteindre des niveaux qualitatifs toujours plus importants, conformes aux plus hauts standards internationaux, en créant des produits compétitifs qui sont exportés journellement dans plus de 80 pays.

L'expérience acquise dans le passé, l'évolution technologique et l'expansion sur les marchés ont permis à la maison MARCO de devenir une entreprise leader dans son domaine grâce aussi à une organisation compétente et éclectique en état de mettre au service de sa clientèle une structure vraiment professionnelle.



THE COMPANY

Real involvement and constant development are the foundation on which the company MARCO has been building its business. MARCO was started in 1970 by Giovanni Marco Franceschini and today has a "state-of-the-art" factory in the field of electric pumps and signal horns.

In their plant of over 8,000 square meters they manufacture pumps for professional applications in the marine, industrial, automotive and agricultural sectors, using the most advanced equipment for the development and testing of products. Moreover they produce electric and air horns for boats, cars and trucks.

Today the use of advanced technology enables MARCO to reach the highest International Quality Standards, allowing the creation of highly competitive products that are exported daily to over 80 countries.

Thanks to past experience, innovations and trade expansion over the last few years, MARCO is now acknowledged as a leading manufacturer in its own field. This is also due to an expert and versatile organization offering a highly qualified and professional management team geared to the needs of the individual customer.

LA FIRMA

Constante empeño y desarrollo. Esta es la base sobre la que la Firma MARCO ha construido su experiencia. Nacida en 1970 de la intuición de su fundador, Giovanni Marco Franceschini, MARCO es hoy una realidad del más alto nivel en el campo de las bombas eléctricas y de las señales acústicas.

En una sede de más de 8.000 metros cuadrados se producen bombas para aplicaciones profesionales en los sectores marino, industrial, automotor y agrícola, utilizando equipos de alta tecnología y otros instrumentos avanzados para el proyecto y el chequeo de los productos. Además se producen señales acústicas para embarcaciones, autos y camiones.

Actualmente esta tecnología permite alcanzar unos niveles de calidad superiores, de acuerdo con los más altos estándares internacionales, creando productos competitivos, que son exportados diariamente a más de 80 países.

Una experiencia madurada en el pasado, la evolución tecnológica de los últimos años y la importante expansión comercial, han permitido a MARCO llegar a ser una Firma líder en su campo, gracias también a una organización competente y versátil, en condiciones de poner al servicio de sus clientes una estructura de máxima profesionalidad.

A FIRMA

Constante empenho e desenvolvimento. Esta é a base sobre a qual a Firma MARCO constrói a sua experiência. Nascida em 1970, criada pelo seu fundador, Giovanni Marco Franceschini, MARCO é hoje uma realidade ao máximo nível no campo das bombas elétricas e dos sinais acústicos.

Colocada numa sede de mais de 8.000 metros quadrados, a Firma produz bombas elétricas para aplicações profissionais, nos setores marino, industrial, automotivo e agrícola, utilizando equipamentos de alta tecnologia e outros instrumentos sofisticados para desenvolvimento e teste dos produtos. A Firma produz também buzinas elétricas e a ar para embarcações, automóveis, camiões.

Actualmente esta tecnologia permite conseguir um nível de qualidade superior, de acordo com os mais altos desempenhos internacionais, criando produtos competitivos, que são exportados diariamente para mais de 80 países.

Uma experiência amadurecida no passado, a evolução tecnológica dos últimos anos e a importante expansão comercial, permitiram à MARCO tornar-se numa Firma líder no seu campo, graças também a uma organização competente e versátil, em condições de pôr ao serviço dos seus clientes uma estrutura de máximo profissionalismo.

Partnership



Associated



Associato AIB
Sistema Confindustria



HORNS AND WHISTLES

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APPROVED HORNS AND WHISTLES

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TROMBE AD ARIA OMOLOGATE 12-20 m
- APPROVED AIR HORNS FOR VESSELS 20-75 m
TROMBE AD ARIA OMOLOGATE 20-75 m
- APPROVED ELECTRONIC HORNS FOR VESSELS 12-20 m
TROMBE ELETTRONICHE OMOLOGATE 12-20 m
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SPARE PARTS available on
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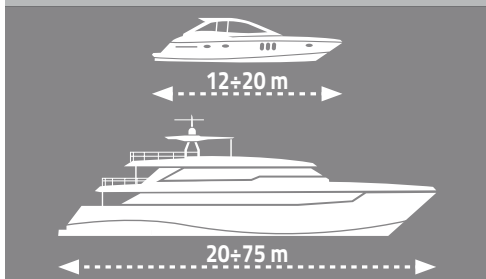
100%
MADE IN
ITALY

MARCO
MARINE TECH

APPROVED HORNS AND WHISTLES



APPROVALS



IT Avvisatori sonori omologati disponibili in due versioni:
 - Ad aria, con compressore e tromba bianca o cromata (serie PW);
 - Elettronici, con altoparlante, centralina, membrana acustica a riscaldamento ultrasonico e pannello di controllo remoto (serie EW).
 Omologazioni disponibili: RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, NMMA e BSH in accordo alle norme internazionali COLREG 1972 IMO classi III e IV.

DE Zugelassene Schallsignalanlagen, in zwei Versionen erhältlich:
 - Druckluftbetrieben, mit Kompressor und weißem oder verchromtem Trichter (PW Serie);
 - Elektronisch, mit Lautsprecher, elektronischer Einheit, akustischer Membran mit ultrasonischem Wärmesystem (EW Serie).
 Verfügbare Zulassungen: RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, NMMA und BSH, gemäß den internationalen Regeln COLREG 1972 IMO Klassen III und IV.

FR Avertisseurs homologués, disponibles en deux versions :
 - À l'air, avec compresseur et corne blanc ou chromé (série PW)
 - Electroniques, avec hautparleur, fiche électronique, membrane acoustique à chauffage ultrasonique et panneau de contrôle (série EW).
 Homologations disponibles : RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, NMMA et BSH, selon les normes internationales COLREG 1972 IMO classes III e IV.

EN Approved signaling whistles, available in two versions:
 - Air operated, with compressor and white or chromed trumpet (PW series);
 - Electronic, with loudspeaker, control unit, acoustic membrane with ultrasonic heating system and remote control panel (EW series).
 Available approvals: RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, NMMA and BSH according to international regulations COLREG 1972 IMO classes III e IV.

ES Bocinas homologadas disponibles en dos versiones:
 - De aire, con compresor y corneta blanca o cromada (serie PW);
 - Electrónicas, con altavoz, unidad electrónica, membrana acústica a calefacción ultrasónica, y panel de control (serie EW).
 Homologaciones disponibles: RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, NMMA y BSH, según las normas internacionales COLREG 1972 IMO clases III e IV.

PT Buzinas homologadas disponíveis em duas versões:
 - A ar, com compressor e corneta branca ou cromada (serie PW);
 - Eletrónicas, com alto-falante, unidade electrónica, membrana acústica à aquecimento ultrasonico e painel de comando (serie EW).
 Homologações disponíveis: RINA, LLOYD'S REGISTER MCA, BUREAU VERITAS, NMMA e BSH, segundo as normas internacionais COLREG 1972 IMO classes III e IV.



Approved Air Horns for vessels 12÷20 m



12÷20 m

PW2

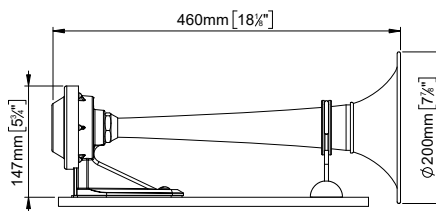
COMPRESSOR
M1-W INCLUDED



APPROVALS



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
150 000 12	12	20	123	315	147 x 460 x 200	1
150 000 13	24	10	123	315	147 x 460 x 200	1



H 147 x L 460 x W 200
H 5 3/4" x L 18 1/8" x W 7 7/8"

PW2-BC

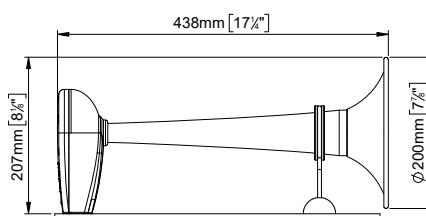
COMPRESSOR
M1-W INCLUDED



APPROVALS



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
150 002 12	12	20	123	315	207 x 438 x 200	1
150 002 13	24	10	123	315	207 x 438 x 200	1



H 207 x L 438 x W 200
H 8 1/8" x L 17 1/4" x W 7 7/8"

PW2-BB

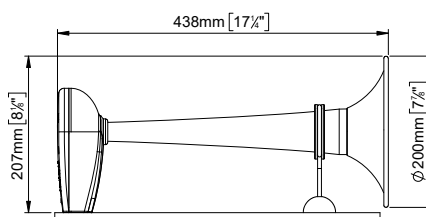
COMPRESSOR
M1-W INCLUDED



APPROVALS



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
150 003 12	12	20	123	315	207 x 438 x 200	1
150 003 13	24	10	123	315	207 x 438 x 200	1

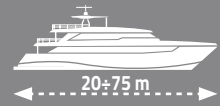


H 207 x L 438 x W 200
H 8 1/8" x L 17 1/4" x W 7 7/8"

APPROVED HORNS AND WHISTLES



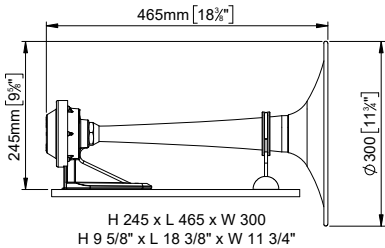
Approved Air Horns for vessels 20÷75 m



PW3



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
152 000 12	12	4,5	132	315	245 x 465 x 300	1
152 000 13	24	2,5	132	315	245 x 465 x 300	1

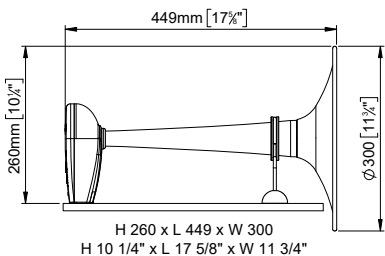


H 245 x L 465 x W 300
H 9 5/8" x L 18 3/8" x W 11 3/4"

PW3-BC



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
152 002 12	12	4,5	132	315	260 x 449 x 300	1
152 002 13	24	2,5	132	315	260 x 449 x 300	1

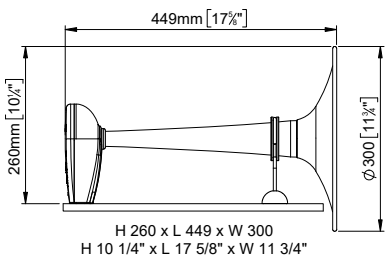


H 260 x L 449 x W 300
H 10 1/4" x L 17 5/8" x W 11 3/4"

PW3-BB



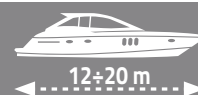
CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
152 003 12	12	4,5	132	315	260 x 449 x 300	1
152 003 13	24	2,5	132	315	260 x 449 x 300	1



H 260 x L 449 x W 300
H 10 1/4" x L 17 5/8" x W 11 3/4"



Approved Electronic Horns for vessels 12÷20 m



EW2



SB-UV INCLUDED

12V
24V

APPROVALS



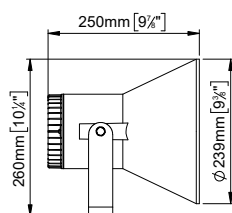
TROMBA
HORN



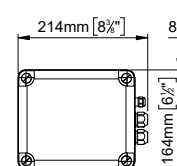
SEGNAL NEBBIA
AUTOMATIC FOG SIGNAL

FUNZIONI FUNCTIONS

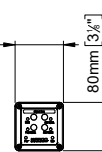
CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
150 040 12	12	3	122	675	260 x 250 x 239	1
150 040 13	24	1,5	122	675	260 x 250 x 239	1



H 260 x L 250 x W 239
H 10 1/4" x L 9 7/8" x W 9 3/8"



H 164 x L 214 x W 87
H 6 1/2" x L 8 3/8" x W 3 3/8"



H 80 x L 80 x W 46
H 3 1/8" x L 3 1/8" x W 1 3/4"

EW2-M



SB-UV INCLUDED

12V
24V

APPROVALS



TROMBA
HORN



SEGNAL NEBBIA
AUTOMATIC FOG SIGNAL



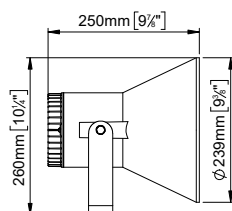
VHF
INPUT



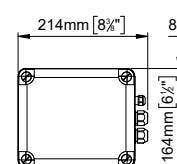
MICROFONO
MICROPHONE

FUNZIONI FUNCTIONS

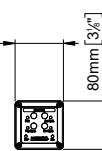
CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
150 041 12	12	3	122	675	260 x 250 x 239	1
150 041 13	24	1,5	122	675	260 x 250 x 239	1



H 260 x L 250 x W 239
H 10 1/4" x L 9 7/8" x W 9 3/8"



H 164 x L 214 x W 87
H 6 1/2" x L 8 3/8" x W 3 3/8"



H 80 x L 80 x W 46
H 3 1/8" x L 3 1/8" x W 1 3/4"

EW2-MS



SB-UV INCLUDED

12V
24V

APPROVALS



TROMBA
HORN



SEGNAL NEBBIA
AUTOMATIC FOG SIGNAL



VHF
INPUT



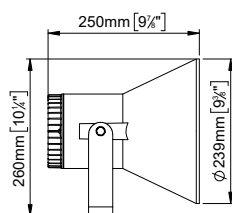
MICROFONO
MICROPHONE



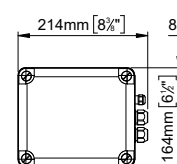
SIRENA
SIREN

FUNZIONI FUNCTIONS

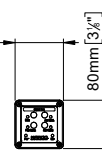
CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
150 044 12	12	3	122	675	260 x 250 x 239	1
150 044 13	24	1,5	122	675	260 x 250 x 239	1



H 260 x L 250 x W 239
H 10 1/4" x L 9 7/8" x W 9 3/8"



H 164 x L 214 x W 87
H 6 1/2" x L 8 3/8" x W 3 3/8"

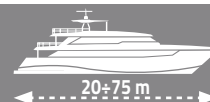


H 80 x L 80 x W 46
H 3 1/8" x L 3 1/8" x W 1 3/4"

APPROVED HORNS



Approved Electronic Horns for vessels 20÷75 m



EW3



APPROVALS



FUNZIONI
FUNCTIONS



TROMBA
HORN



SEGNAL NEBBIA
AUTOMATIC FOG SIGNAL

CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
152 063 13	24	4	131	690	351 x 437 x 325	1
H 351 x L 437 x W 325 H 13 3/4" x L 17 1/4" x W 12 3/4"						
H 168 x L 210 x W 87 H 6 5/8" x L 8 1/4" x W 3 3/8"						
H 80 x L 80 x W 46 H 3 1/8" x L 3 1/8" x W 2 3/4"						

EW3-M



APPROVALS



FUNZIONI
FUNCTIONS



TROMBA
HORN



SEGNAL NEBBIA
AUTOMATIC FOG SIGNAL



VHF
INPUT



MICROFONO
MICROPHONE

CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
152 060 13	24	4	131	690	351 x 437 x 325	1
H 351 x L 437 x W 325 H 13 3/4" x L 17 1/4" x W 12 3/4"						
H 168 x L 210 x W 87 H 6 5/8" x L 8 1/4" x W 3 3/8"						
H 80 x L 80 x W 46 H 3 1/8" x L 3 1/8" x W 2 3/4"						

EW3-MS



APPROVALS



FUNZIONI
FUNCTIONS



TROMBA
HORN



SEGNAL NEBBIA
AUTOMATIC FOG SIGNAL



VHF
INPUT



MICROFONO
MICROPHONE



SIRENA
SIREN

CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
152 064 13	24	4	131	690	351 x 437 x 325	1
H 351 x L 437 x W 325 H 13 3/4" x L 17 1/4" x W 12 3/4"						
H 168 x L 210 x W 87 H 6 5/8" x L 8 1/4" x W 3 3/8"						
H 80 x L 80 x W 46 H 3 1/8" x L 3 1/8" x W 2 3/4"						

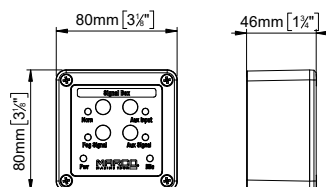


Control Panel for EW and EMH Series

SB-UV



CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	DIMENSIONI DIMENSIONS mm	FORO HOLE mm	CONNESSIONE CONNECTION
137 020 15	12/24	IP67	80 x 80 x 46	Ø 70	RJ45



H 80 x L 80 x W 46
H 3 1/8" x L 3 1/8" x W 1 3/4"

IT Il pannello di controllo per fischi elettronici viene utilizzato per operare dalla cabina. Grazie alla scheda elettronica contenuta nel pannello di controllo i tempi di installazione del fischio elettronico sono notevolmente ridotti. Con un microprocessore integrato vengono raccolte in un solo cavo RJ45 tutte le funzioni disponibili del fischio: tromba, segnale da nebbia, entrata VHF e connessione microfonica. La scheda elettronica è contenuta in una scatola impermeabile con possibilità di incasso.

DE Das Kontrollpaneel für elektronische Schallsignalanlagen wird in der Kabine angebracht. Dank der elektronischen Einheit, die ebenfalls hier eingebaut ist, wird die Installationszeit erheblich reduziert. Der integrierte Mikroprozessor überträgt auf ein einziges RJ45-Kabel alle Funktionen der Schallsignalanlage: Horn, automatisches Signal bei Nebel, VHF-Eingang. Die elektronische Einheit, mit möglichem Mikrofonanschluss, ist in einer wasserdichten Hülle montiert und kann eingelassen werden.

FR Le tableau de commande des sifflets électroniques est étudié pour montage dans la cabine. La carte électronique contenue dans le tableau de commande permet de réduire les temps d'installation du sifflet électronique. Par l'utilisation d'un microprocesseur intégré toutes les fonctions disponibles du sifflet sont réunies dans un seul câble RJ45: avertisseur, signal automatique de brouillard, entrée VHF et connexion au microphone. La carte électronique est contenue dans une boîte étanche avec possibilité d'encastrement.

EN The control panel has been designed to operate the electronic whistles from the cabin. The installation time of the whistle is reduced thanks to the integrated microprocessor electronic card which transmits through only one RJ45 cable all the available functions to the whistle: horn, fog signal, aux input and microphone connection. The electronic card is contained in a waterproof box with built-in option.

ES El panel de control para bocinas electrónicas es empleado para operar desde la cabina. Gracias a la ficha electrónica contenida en el panel los tiempos de instalación de la bocina son notablemente reducidos. El microprocesador integrado transmite a un solo cable RJ45 todas las funciones disponibles: bocina, señal de niebla, entrada VHF y conexión de micrófono. La ficha electrónica está contenida en una caja impermeable y es empotrable.

PT O painel de controle para buzinas electrónicas está concebido para operar desde a cabina. Graças à ficha electrónica situada no painel os tempos de instalação da buzina são notavelmente reduzidos. O microprocessador integrado transmite num só cabo RJ45 todas as funções disponíveis: buzina, sinal para nevoeiro, entrada VHF e conexão do microfone. A ficha electrónica está montada numa caixa impermeável e é também de encaixe.

Additional Trumpets for PW2-BC and PW3-BC

EXCELLENT
SOUND ARMONY

IMPROVED
DESIGN

MAINTAINS
ORIGINAL APPROVALS

PW50



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
154 000 13	24	1,2	120	175	700 x Ø 180	1

PW52



CODICE PART NUMBER	VOLT	AMP.	dB (1/3 OCT.) (1 m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
154 002 13	24	1,2	120	220	600 x Ø 180	1



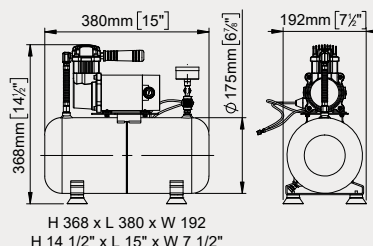
Compressors for Approved Horns

M3



PUSH-ON
FITTING

8 LITERS
TANK



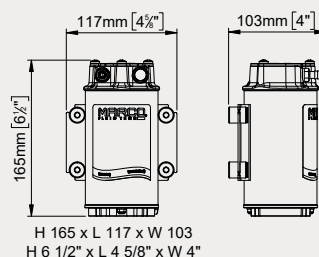
CODICE PART NUMBER	VOLT	PORTATA AIR FLOW RATE	PRESSIONE PRESSURE	MOTORE MOTOR	ATTACCO CONNECTION	DIMENSIONI DIMENSIONS mm	PESO WEIGHT
135 100 12	12	47 l/min	8 bar / 116 psi	240 W	Ø 6 mm int.	368 x 380 x 192	9 Kg
135 100 13	24	47 l/min	8 bar / 116 psi	240 W	Ø 6 mm int.	368 x 380 x 192	9 Kg

M1-W

OIL FREE



PUSH-ON
FITTING



CODICE PART NUMBER	VOLT	PORTATA AIR FLOW RATE	PRESSIONE PRESSURE	MOTORE MOTOR	CORPO BODY	ROTORE ROTOR	ALBERO SHAFT	ATTACCO CONNECTION	DIMENSIONI DIMENSIONS mm	PESO WEIGHT
R50 000 33	12	60 l/min	2 bar / 29 psi	180W	Alluminio Aluminium	Alluminio Aluminium	AISI 303	Ø 6 mm int.	165 x 117 x 103	2,4 kg
R50 000 34	24	60 l/min	2 bar / 29 psi	180W	Alluminio Aluminium	Alluminio Aluminium	AISI 303	Ø 6 mm int.	165 x 117 x 103	2,4 kg

MIC1



IT Microfono con cavo spiralato e connettore IP67. Integrato da un cavo cablato con un connettore IP67 a 3 pin e uno piatto per pannello.

DE Mikrofon mit Spiralkabel und IP67- Anschluss. Integriert mit einem Kabel mit 3-Pin-IP67- Anschluss, und einem mit Flachanschluss.

FR Microphone avec cable et connecteur IP67. Intégré par un cable équipé d'un connecteur IP67 à 3 pin et un plat pour panneau.

EN Microphone with Spiral cable and IP67 connector. Complete of cable with a 3 pins IP67 connector and a flat one for the panel.

ES Micrófono con cable espiral y conector IP67. Integrado con cable montado con conector IP67 de 3 patillas y conector plano para el panel.

PT Microfone com cabo espiral e conector IP67. Completo com cabo ligado a conector IP67 de 3 pólos e conector plano para o painel.

MIC2



IT Microfono con cavo spiralato e connettore IP55. Integrato da un cavo cablato con un connettore IP55 a 4 pin e uno piatto per pannello.

DE Mikrofon mit Spiralkabel und IP55- Anschluss. Integriert mit einem Kabel mit 4-Pin-IP55- Anschluss, und einem mit Flachanschluss.

FR Microphone avec cable et connecteur IP55. Intégré par un cable équipé d'un connecteur IP55 à 4 pin et un plat pour panneau.

EN Microphone with Spiral cable and IP55 connector. Complete of cable with a 4 pins IP55 connector and a flat one for the panel.

ES Micrófono con cable espiral y conector IP55. Integrado con cable montado con conector IP55 de 4 patillas y conector plano para el panel.

PT Microfone com cabo espiral e conector IP55. Completo com cabo ligado a conector IP55 de 4 pólos e conector plano para o painel.

MIC3



IT Microfono con cavo spiralato e connettore IP55. Integrato da un cavo cablato con un connettore IP55 a 4 pin e uno piatto per pannello.

DE Mikrofon mit Spiralkabel und IP55- Anschluss. Integriert mit einem Kabel mit 4-Pin-IP55- Anschluss, und einem mit Flachanschluss.

FR Microphone avec cable et connecteur IP55. Intégré par un cable équipé d'un connecteur IP55 à 4 pin et un plat pour panneau.

EN Microphone with Spiral cable and IP55 connector. Complete of cable with a 4 pins IP55 connector and a flat one for the panel.

ES Micrófono con cable espiral y conector IP55. Integrado con cable montado con conector IP55 de 4 patillas y conector plano para el panel.

PT Microfone com cabo espiral e conector IP55. Completo com cabo ligado a conector IP55 de 4 pólos e conector plano para o painel.

TIPO TYPE	CODICE PART NUMBER	PROTEZIONE PROTECTION	CONNESSIONE CONNECTION
MIC1	137 030 10	IP67	3 PINS
MIC2	137 032 10	IP55	4 PINS
MIC3	137 034 10	IP55	4 PINS

MULTIFUNCTION ELECTRONIC WHISTLES



AVAILABLE FUNCTIONS



TROMBA
HORN



NEBBIA
FOG



VHF
INPUT



MICROFONO
MICROPHONE



SIRENA
SIREN



STEREO
INPUT

IT Fischietti elettronici completi di altoparlante stagno con staffa in acciaio inox AISI 316 e scheda elettronica. Disponibili le versioni con segnale automatico per nebbia, microfono, sirena personalizzabile e entrata VHF e stereo.

DE Elektronische Schallsignalanlage, mit wasserdichtem Lautsprecher, Haltebügel aus Edelstahl AISI 316 und elektronischer Einheit. Erhältlich auch in den Versionen mit automatischem Signal für Nebel, VHF- und Stereo-Eingang, Mikrofon, und anpassbarer Sirene.

FR Avertisseur électronique équipé d'haut-parleur étanche, étrier en acier inoxydable AISI 316 et centrale électronique. Versions disponibles avec signal de brume automatique, microphone, sirène personnalisable et entrée VHF et stéréo.

EN Waterproof electronic whistles complete with loudspeaker, AISI 316 stainless steel bracket and electronic unit. Available with automatic fog signal, microphone, customizable siren, VHF and stereo input.

ES Bocina electrónica con altavoz estanco, abrazadera en acero inox AISI 316 y ficha electrónica. Versiones disponibles con señal automática de niebla, micrófono, sirena personalizable, entrada VHF y estéreo.

PT Buzina electrónica com alto-falante estanque, suporte em aço inox AISI 316 e ficha electrónica. Versões disponíveis com sinal automático de nevoeiro, microfone, sirena personalizável, entrada VHF e estéreo.



Multifunction Electronic Whistles

EMH



12V
24V

FUNZIONI
FUNCTIONS

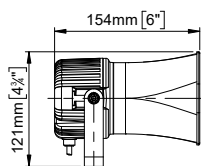


TROMBA
HORN

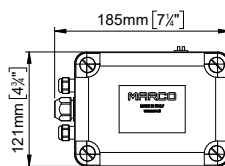


NEBBIA
FOG

CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	dB (1/3 OCT.) (1m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
136 000 12	12	IP66	112	800	121 x 154 x 132	1
136 000 13	24	IP66	112	800	121 x 154 x 132	1



H 121 x L 154 x W 132 mm
H 4 3/4" x L 6" x W 5 1/4"



H 121 x L 185 x W 87 mm
H 4 3/4" x L 7 1/4" x W 3 3/8"

EMH-M



12V
24V

FUNZIONI
FUNCTIONS



TROMBA
HORN



NEBBIA
FOG

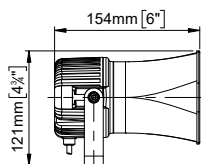


VHF
INPUT

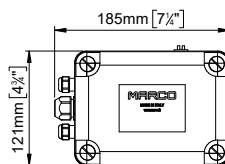


MICROFONO
MICROPHONE

CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	dB (1/3 OCT.) (1m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
136 001 12	12	IP66	112	800	121 x 154 x 132	1
136 001 13	24	IP66	112	800	121 x 154 x 132	1



H 121 x L 154 x W 132 mm
H 4 3/4" x L 6" x W 5 1/4"



H 121 x L 185 x W 87 mm
H 4 3/4" x L 7 1/4" x W 3 3/8"

EMH-MS



12V
24V

FUNZIONI
FUNCTIONS



TROMBA
HORN



NEBBIA
FOG



VHF
INPUT

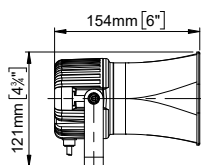


MICROFONO
MICROPHONE

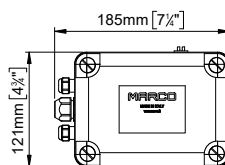


SIRENA
SIREN

CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	dB (1/3 OCT.) (1m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
136 002 12	12	IP66	112	800	121 x 154 x 132	1
136 002 13	24	IP66	112	800	121 x 154 x 132	1



H 121 x L 154 x W 132 mm
H 4 3/4" x L 6" x W 5 1/4"



H 121 x L 185 x W 87 mm
H 4 3/4" x L 7 1/4" x W 3 3/8"

HORNS & WHISTLES

HORNS AND WHISTLES



Multifunction Electronic Whistles

EMH-2



TROMBA
HORN



NEBBIA
FOG



VHF
INPUT



MICROFONO
MICROPHONE



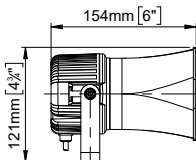
SIRENA
SIREN



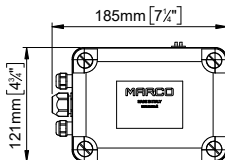
STEREO
INPUT

FUNZIONI FUNCTIONS

CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	dB (1/3 OCT.) (1m)	Hz	DIMENSIONI DIMENSIONS mm	Pcs. x carton
136 012 12	12	IP66	115	800	121 x 154 x 132	1
136 012 13	24	IP66	115	800	121 x 154 x 132	1



H 121 x L 154 x W 132 mm
H 4 3/4" x L 6" x W 5 1/4"



H 121 x L 185 x W 87 mm
H 4 3/4" x L 7 1/4" x W 3 3/8"



Control Panel

SB-UV



OPTIONAL FOR EMH SERIES

CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	DIMENSIONI DIMENSIONS mm	FORO HOLE mm	CONNESSIONE CONNECTION
137 020 15	12/24	IP67	80 x 80 x 45	Ø 70	RJ45

For technical data of SB-UV control panel see page 11.

MIC1



TIPO
TYPE

CODICE
PART NUMBER

MIC1

137 030 10

MIC2



TIPO
TYPE

CODICE
PART NUMBER

MIC2

137 032 10

MIC3



TIPO
TYPE

CODICE
PART NUMBER

MIC3

137 034 10

For technical data of the microphones see page 13.

EMH-L



IP66

STAINLESS STEEL
BRACKET

IT

Altoparlante stagno.
Protezione IP66.

DE

Wasserdichter Lautsprecher.
IP Schutz 66.

FR

Haut-parleur étanche.
Protection IP66.

EN

Waterproof loudspeaker.
Protection IP66.

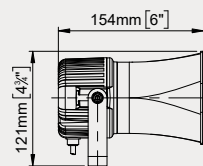
ES

Altavoz estanco.
Protección IP66.

PT

Alto-falante estanque.
Proteção IP66.

CODICE PART NUMBER	PROTEZIONE PROTECTION	OHM Ω	W	DIMENSIONI DIMENSIONS mm
137 040 10	IP66	8	20	121 x 154 x 132



H 121 x L 154 x W 132 mm
H 4 3/4" x L 6" x W 5 1/4"



IT Tromba a gas con attacco a scatto. Completa di bombola monoblocco in alluminio. Disponibile in tre versioni:

- con gas ecologico infiammabile 200 ml
- con gas ecologico non infiammabile (134A tetrafluoroetano) 200 ml
- con gas HFO-1234ze 200 ml - **conforme alla direttiva europea n. 517/2014**

DE Horn mit aufsteckbarem Trichter. Mit Gasflasche FCKW frei in drei Versionen erhältlich:

- mit entflammbarem Gas 200 ml
- mit nicht entflammbarem Gas (134A Tetrafluoretan) 200 ml
- mit Gas HFO-1234ze 200 ml - **gemäß der europäischen Richtlinie Nr. 517/2014**

FR Corne de brume avec branchement à pression. Fourni de bouteille monobloc en aluminium disponible en trois versions:

- avec gaz écologique inflammable 200 ml
- avec gaz écologique non inflammable (134A tetrafluoroethane) 200 ml
- avec gaz HFO-1234ze 200 ml - **en accord avec le règlement européen n. 517/2014**

EN Hand held gas horn, snap-on type, complete with aluminium bottle. Available in three versions:

- with environmentally safe inflammable gas 200 ml
- with environmentally safe non-inflammable gas (134A tetrafluoroethane) 200 ml
- with gas HFO-1234ze 200 ml - **in agreement with the European directive nr 517/2014**

ES Bocina de mano con conexión a presión. Provista de botella monobloque en aluminio. Disponible en tres versiones:

- con gas ecologico inflamable 200 ml
- con gas ecologico no inflamable (134A tetrafluoroetano) 200 ml
- con gas HFO-1234ze 200 ml - **de acuerdo con la regulación europea n°517/2014**

PT Buzina de mão com montagem a pressão. Equipada com garrafa monobloco em alumínio. Disponível em três versões:

- com gás ecológico inflamável 200 ml
- com gás ecológico não inflamável (134A tetrafluoroethane) 200 ml
- com gás HFO-1234ze 200 ml - **em conformidade com o regulamento europeu n°517/2014**



Gas Horns

TA1



INFLAMMABLE
GAS

200 ml

CODICE PART NUMBER	ml	dB (A) (1m)	Hz	kg	LUNGHEZZA LENGTH mm	IMBALLO PACKING	Pcs. x carton
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130 060 20	200	122	400	0,32	190	Blister	24
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TA1B

REFILL

CODICE PART NUMBER	ml	kg	PEZZI PCS.	Pcs. x carton
-----------------------	----	----	---------------	------------------

130 100 00	200	0,24	1	48
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TA1-A2

NOT INFLAMMABLE



TETRAFLUOROETHANE
134A

200 ml

CODICE PART NUMBER	ml	dB (A) (1m)	Hz	kg	LUNGHEZZA LENGTH mm	IMBALLO PACKING	Pcs. x carton
-----------------------	----	----------------	----	----	---------------------------	--------------------	------------------

130 062 20	200	122	400	0,32	190	Blister	24
------------	-----	-----	-----	------	-----	---------	----



TA1B-A2

REFILL

CODICE PART NUMBER	ml	kg	PEZZI PCS.	Pcs. x carton
-----------------------	----	----	---------------	------------------

130 102 00	200	0,25	1	24
------------	-----	------	---	----

TA1-H

NOT INFLAMMABLE



HFO-1234ze

200 ml

CODICE PART NUMBER	ml	dB (A) (1m)	Hz	kg	LUNGHEZZA LENGTH mm	IMBALLO PACKING	Pcs. x carton
-----------------------	----	----------------	----	----	---------------------------	--------------------	------------------

130 066 20	200	122	400	0,32	190	Blister	24
------------	-----	-----	-----	------	-----	---------	----



TA1B-H

REFILL

CODICE PART NUMBER	ml	kg	PEZZI PCS.	Pcs. x carton
-----------------------	----	----	---------------	------------------

130 106 00	200	0,25	1	24
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CTA1

SNAP-ON TRUMPET



CODICE PART NUMBER	Hz	kg	LUNGHEZZA LENGTH mm
-----------------------	----	----	---------------------------

130 080 00	400	0,07	190
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Approved Gas Horns



TA1R

NOT INFLAMMABLE



750 ml

CODICE PART NUMBER	ml	dB (A) (1m)	Hz	kg	LUNGHEZZA LENGTH mm	IMBALLO PACKING	Pcs. x carton
152 040 00	750	122	400	1,1	190	Bag	12

IT Tromba a gas per imbarcazioni da diporto di lunghezza compresa tra i 12 e i 50 m. Cornetto in plastica, base con fondello in acciaio inox e bombola da 750 ml contenente gas HFO-1234ze - **conforme alla direttiva europea n. 517/2014**. Omologata RINA.

DE Horn mit 750 ml Gasflasche für Boote von 12 bis 50 m Länge. Trichter aus Plastik mit Basis aus Edelstahl. Nicht entflammbares Gas HFO-1234ze - **gemäß der europäischen Richtlinie Nr. 517/2014**.

FR Corne de brume avec cornet en plastique, base avec culot en acier inoxydable et bouteille de 750 ml contenant gaz HFO-1234ze - **en accord avec le règlement européen n. 517/2014**.

EN Gas horn complete with plastic trumpet with stainless steel base and 750 ml bottle containing non-inflammable gas HFO-1234ze - **in agreement with the European directive nr 517/2014**.

ES Bocina de mano provista de corneta de plástico con base en acero inox y botella de 750 ml que contiene gas HFO-1234ze - **de acuerdo con la regulación europea n°517/2014**.

PT Buzina de mão equipada com corneta de plástico com base em aço inoxidável, garrafa de 750 ml que contém gás HFO-1234ze - **em conformidade com o regulamento europeu n°517/2014**.

TA1X

NOT INFLAMMABLE



200 ml

CODICE PART NUMBER	ml	dB (A) (1m)	Hz	kg	LUNGHEZZA LENGTH mm	IMBALLO PACKING	Pcs. x carton
130 063 20	200	122	400	0,47	190	Blister	24

IT Tromba a gas disegnata appositamente per l'impiego su imbarcazioni da diporto di lunghezza fino ai 12 m, conforme al D.M. 421/90. Cornetto in plastica, base con fondello in acciaio inox e bombola 200 ml contenente gas non infiammabile (134A).

DE Horn mit 200 ml Gasflasche für Boote bis 12 m Länge. Trichter aus Plastik mit Basis aus Edelstahl. Nicht entflammbares Gas (134A).

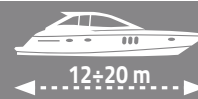
FR Corne de brume avec cornet en plastique, base avec culot en acier inoxydable et bouteille de 200 ml contenant gaz non inflammable (134A).

EN Gas horn, complete with plastic trumpet with stainless steel bottom plate and 200 ml bottle containing non-inflammable gas (134A).

ES Bocina de mano provista de corneta de plástico con base de acero inoxidable, botella de 200 ml que contiene gas no inflamable (134A).

PT Buzina de mão equipada com corneta de plástico com base de aço inoxidável, garrafa de 200 ml que contém gás não inflamável (134A).

APPROVED BELLS



BE2



POLISHED BRASS



Ø200 mm

CODICE PART NUMBER	MATERIALE MATERIAL	DIMENSIONI DIMENSIONS mm	PESO WEIGHT kg	Pcs. x carton
150 020 10	ottone polished brass	Ø200	2,5	1

BE2-C

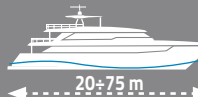


CHROMED BRASS



Ø200 mm

CODICE PART NUMBER	MATERIALE MATERIAL	DIMENSIONI DIMENSIONS mm	PESO WEIGHT kg	Pcs. x carton
150 021 10	ottone cromato chrome plated brass	Ø200	2,5	1



BE3



POLISHED BRASS



Ø300 mm

CODICE PART NUMBER	MATERIALE MATERIAL	DIMENSIONI DIMENSIONS mm	PESO WEIGHT kg	Pcs. x carton
152 020 10	ottone polished brass	Ø300	8	1

BE3-C



CHROMED BRASS



Ø300 mm

CODICE PART NUMBER	MATERIALE MATERIAL	DIMENSIONI DIMENSIONS mm	PESO WEIGHT kg	Pcs. x carton
152 021 10	ottone cromato chrome plated brass	Ø300	8	1



IT Trombe elettriche singole o in coppia sia per montaggio esterno, con possibilità di cavo a scomparsa (serie EMX-DUCK HORN), che per installazione ad incasso (SERIE SM1). Gruppo sonoro di elevata potenza, costruito in materiale anticorrosione e accuratamente protetto.

Disponibili nelle versioni:

- cromata resistente alla salsedine (MT1-H – MT1-L – MT2-SK1/C-SM1C)
- ASA bianco resistente agli UV (SK1-SM1)
- ottone verniciato (TCE)
- acciaio inox (EM1-EM2-EM1/2-EMX1-EMX2-EMX1/2-DUCK HORN)
- ABS nero (BK1-BK2).

DE Elektromagnetisches Horn, als Einzel- oder Doppelausführung Elektrische Hörner, in Einzel- oder Doppelausführung, sowohl für externe Montage mit Möglichkeit von verborgenen Kabeln (Serie EMX-DUCK HORN), als auch für Einbaumontage (Serie SM1). Die starke sorgfältig geschützte Klanggruppe ist aus antikorrosivem Material hergestellt.

Verfügbare Versionen:

- Verchromt, Salzigkeit beständig (Serie MT1-MT2-SK1/C-SM1C)
- Weiß ASA, UV-Strahlen beständig (SK1-SM1)
- Lackiertem Messing (TCE)
- Edelstahl (Serie EM – EMX – DUK HORN)
- Schwarz ABS (BK1-BK2).

FR Avertisseurs électriques, seuls ou doubles, soit pour montage externe, avec option du câble caché, soit pour montage à encastrer. Ensemble sonore très puissant et soigneusement protégé, construit avec matériel anticorrosion. Disponibles dans les versions:

- Chromés, résistantes à la saure (MT1-H – MT1-L – MT2-SK1/C-SM1C)
- ASA blanc, résistantes aux rayons UV (SK1-SM1)
- Laiton vernissé (TCE)
- Acier inox (EM1-EM2-EM1/2-EMX1-EMX2-EMX1/2-DUCK HORN)
- ABS noir (BK1-BK2).

EN Electric horns, single or double, both for external mounting, with option of integrated cable, and for built-in installation. Powerful acoustic unit carefully protected and manufactured of non-corrosive materials. Available in the following versions:

- Chromed, salt-resistant (MT1-H – MT1-L – MT2-SK1/C-SM1C)
- White ASA, UV-rays resistant (SK1-SM1)
- Painted brass (TCE)
- Stainless steel (EM1-EM2-EM1/2-EMX1-EMX2-EMX1/2-DUCK HORN)
- Black ABS (BK1-BK2).

ES Bocinas eléctricas, únicas o dobles, sea para montaje exterior, con opción de cable escondido, sea para empotrar. Unidad sonora de elevada potencia, muy bien protegida y construida en material anticorrosivo. Disponibles en las siguientes versiones:

- Cromadas, resistentes a la salinidad (MT1-H – MT1-L – MT2-SK1/C-SM1C)
- ASA blanco, resistentes a los rayos UV (SK1-SM1)
- Latón pintado (TCE)
- Acero inoxidable (EM1-EM2-EM1/2-EMX1-EMX2-EMX1/2-DUCK HORN)
- ABS negro (BK1-BK2).

PT Buzinas eléctricas, únicas ou duplas, seja para montagem externo, com opção de cabo escondido, seja para montagem de encaixe. Unidade sonora de elevada potencia, cuidadosamente protegida e fabricada com materiais anticorrosivos. Disponíveis nas seguintes versões:

- cromadas, resistentes à salinidade (MT1-H – MT1-L – MT2-SK1/C-SM1C)
- ASA branco, resistentes aos raios UV (SK1-SM1)
- Latão envernizado (TCE)
- Aço inoxidável (EM1-EM2-EM1/2-EMX1-EMX2-EMX1/2-DUCK HORN)
- ABS negro (BK1-BK2).

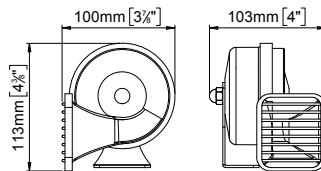
MT1-H

CHROME PLATED

HIGH TONE

12V
24V

CODICE PART NUMBER	VOLT	AMP.	dB (A) (1m)	Hz	IMBALLO PACKING	Pcs. x carton
132 000 12	12	5	114	490	Box	40
132 000 13	24	3,5	114	490	Box	40

H 113 x L 100 x W 103 mm
H 4 3/8" x L 3 7/8" x W 4"

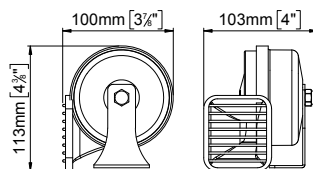
MT1-L

CHROME PLATED

LOW TONE

12V
24V

CODICE PART NUMBER	VOLT	AMP.	dB (A) (1m)	Hz	IMBALLO PACKING	Pcs. x carton
132 001 12	12	5	114	410	Box	40
132 001 13	24	3,5	114	410	Box	40

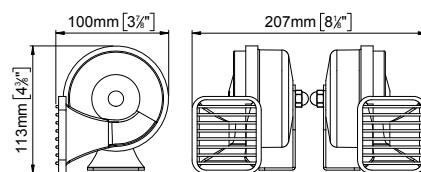
H 113 x L 100 x W 103 mm
H 4 3/8" x L 3 7/8" x W 4"

MT2

CHROME PLATED

TWO TUNED
SOUNDS12V
24V

CODICE PART NUMBER	VOLT	AMP.	dB (A) (1m)	Hz	IMBALLO PACKING	Pcs. x carton
132 020 12	12	10	116	410/490	Box	20
132 020 13	24	7	116	410/490	Box	20

H 113 x L 100 x W 207 mm
H 4 3/8" x L 3 7/8" x W 8 1/8"

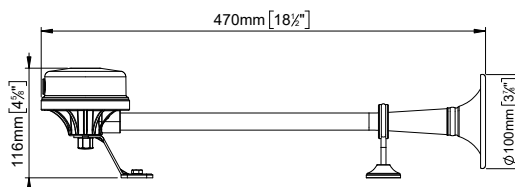
EM1

STAINLESS STEEL
TRUMPET

LOW TONE

NMMO
TYPE ACCEPTED12V
24V

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 041 12	12	470	118	320	5	Box	20
132 041 13	24	470	118	320	4	Box	20

H 116 x L 470 x W 100 mm
H 4 5/8" x L 18 1/2" x W 3 7/8"

ELECTRIC HORNS

EM2

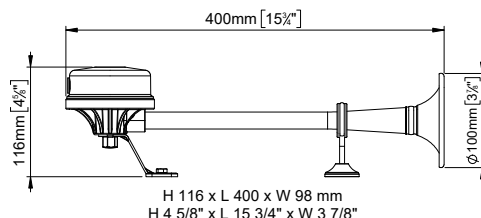
HIGH TONE



12V
24V

STAINLESS STEEL TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 040 12	12	400	118	370	5	Box	20
132 040 13	24	400	118	370	4	Box	20



EM1/2

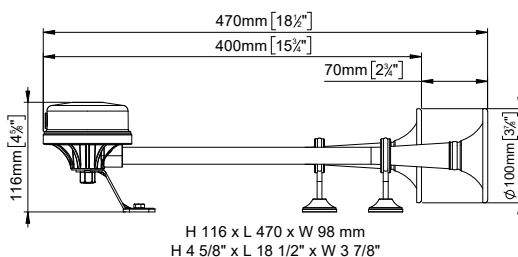
TWO TUNED
SOUNDS



12V
24V

STAINLESS STEEL TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 060 12	12	400/470	121	370/320	10	Box	6
132 060 13	24	400/470	121	370/320	8	Box	6



EMX1

LOW TONE

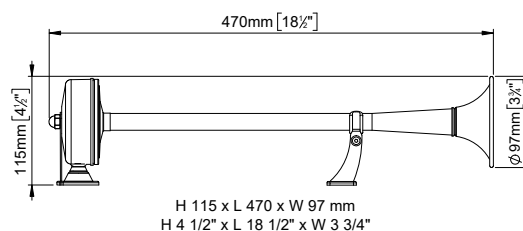


HIDDEN CABLE

12V
24V

COMPLETELY STAINLESS STEEL

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 043 22	12	470	119	340	6	Blister	20
132 043 23	24	470	119	340	3	Blister	20



EMX2

HIGH TONE

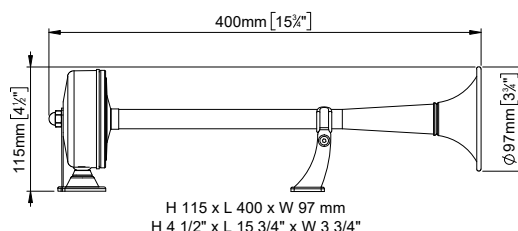


HIDDEN CABLE

12V
24V

COMPLETELY STAINLESS STEEL

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 042 22	12	400	119	370	6	Blister	20
132 042 23	24	400	119	370	3	Blister	20



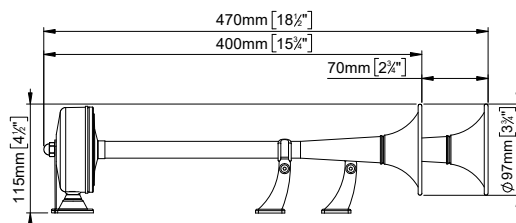
EMX1/2

TWO TUNED
SOUNDS

HIDDEN CABLE

12V
24VCOMPLETELY
STAINLESS STEEL

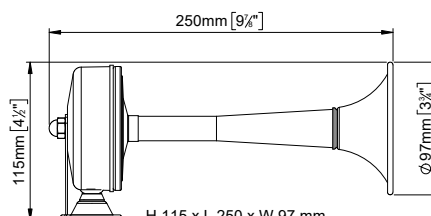
CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 061 22	12	400/470	122	370/340	12	Blister	6
132 061 23	24	400/470	122	370/340	6	Blister	6

H 115 x L 470 x W 97 mm
H 4 1/2" x L 18 1/2" x W 3 3/4"

DUCK

COMPLETELY
STAINLESS STEEL

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 140 12	12	250	114	570	5	Box	12

H 115 x L 250 x W 97 mm
H 4 1/2" x L 9 7/8" x W 3 3/4"

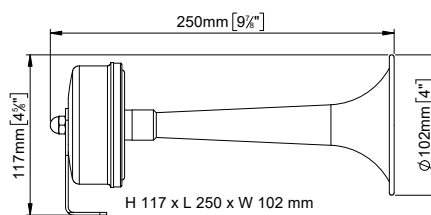
HIDDEN CABLE

12V

TCE

WHITE PAINTED
BRASS TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 120 12	12	250	114	350	5	Box	12
132 120 13	24	250	114	350	4	Box	12

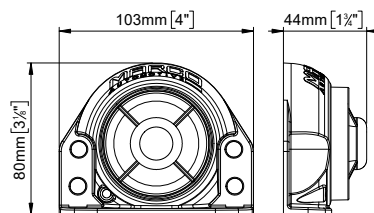
H 117 x L 250 x W 102 mm
H 4 5/8" x L 9 7/8" x W 4"12V
24V

BK1 BK2

IP67

INTERMITTENT SOUND ALARM
FOR SIGNALING ON BOARD6÷100V
9÷28V

CODICE PART NUMBER	VOLT	DIMENSIONI DIMENSIONS mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
104 120 15	6÷100	80 x 103 x 44	85/95	950/1850	0,1 - 0,3	Box	42
104 121 15	9÷28	80 x 103 x 44	105	1850	0,5	Box	42

80 x 103 x 44 mm
3 1/8" x 4" x 1 3/4"

ELECTRIC HORNS

SK1



UV RESISTANT

STAINLESS STEEL BRACKET

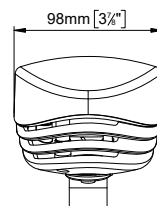
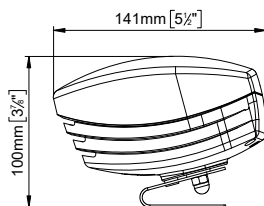
DRAINING HOLES

12V

WHITE ASA



CODICE PART NUMBER	VOLT	DIMENSIONI DIMENSIONS mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 081 22	12	100 x 141 x 98	108	400	5	Blister	12



H 100 x L 141 x W 98
H 3 7/8" x L 5 1/2" x W 3 7/8"

SK1/C



STAINLESS STEEL BRACKET

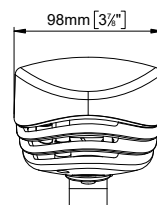
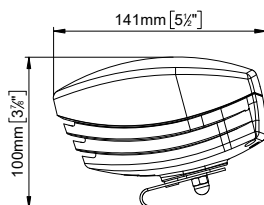
DRAINING HOLES

12V

CHROMED ASA



CODICE PART NUMBER	VOLT	DIMENSIONI DIMENSIONS mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 082 22	12	100 x 141 x 98	108	400	5	Blister	12



H 100 x L 141 x W 98
H 3 7/8" x L 5 1/2" x W 3 7/8"

SM1

BUILT-IN
QUICK FITTING



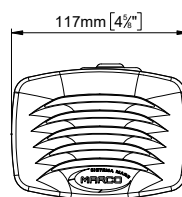
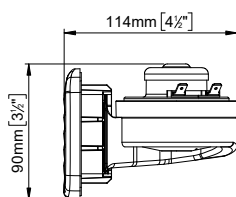
UV RESISTANT

12V

WHITE ASA



CODICE PART NUMBER	VOLT	DIMENSIONI DIMENSIONS mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 101 22	12	90 x 114 x 117	108	400	5	Blister	12



H 90 x L 114 x W 117
H 3 1/2" x L 4 1/2" x W 4 5/8"

SM1/C

BUILT-IN
QUICK FITTING

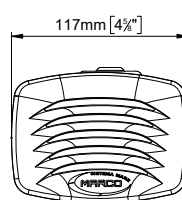
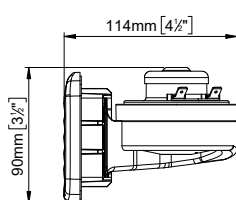


12V

CHROMED ASA



CODICE PART NUMBER	VOLT	DIMENSIONI DIMENSIONS mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 102 22	12	90 x 114 x 117	108	400	5	Blister	12



H 90 x L 114 x W 117
H 3 1/2" x L 4 1/2" x W 4 5/8"

SM1/B

BLACK ASA

smile

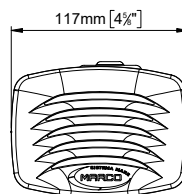
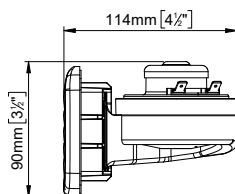
**BUILT-IN
QUICK FITTING**



NMMA
TYPE ACCEPTED

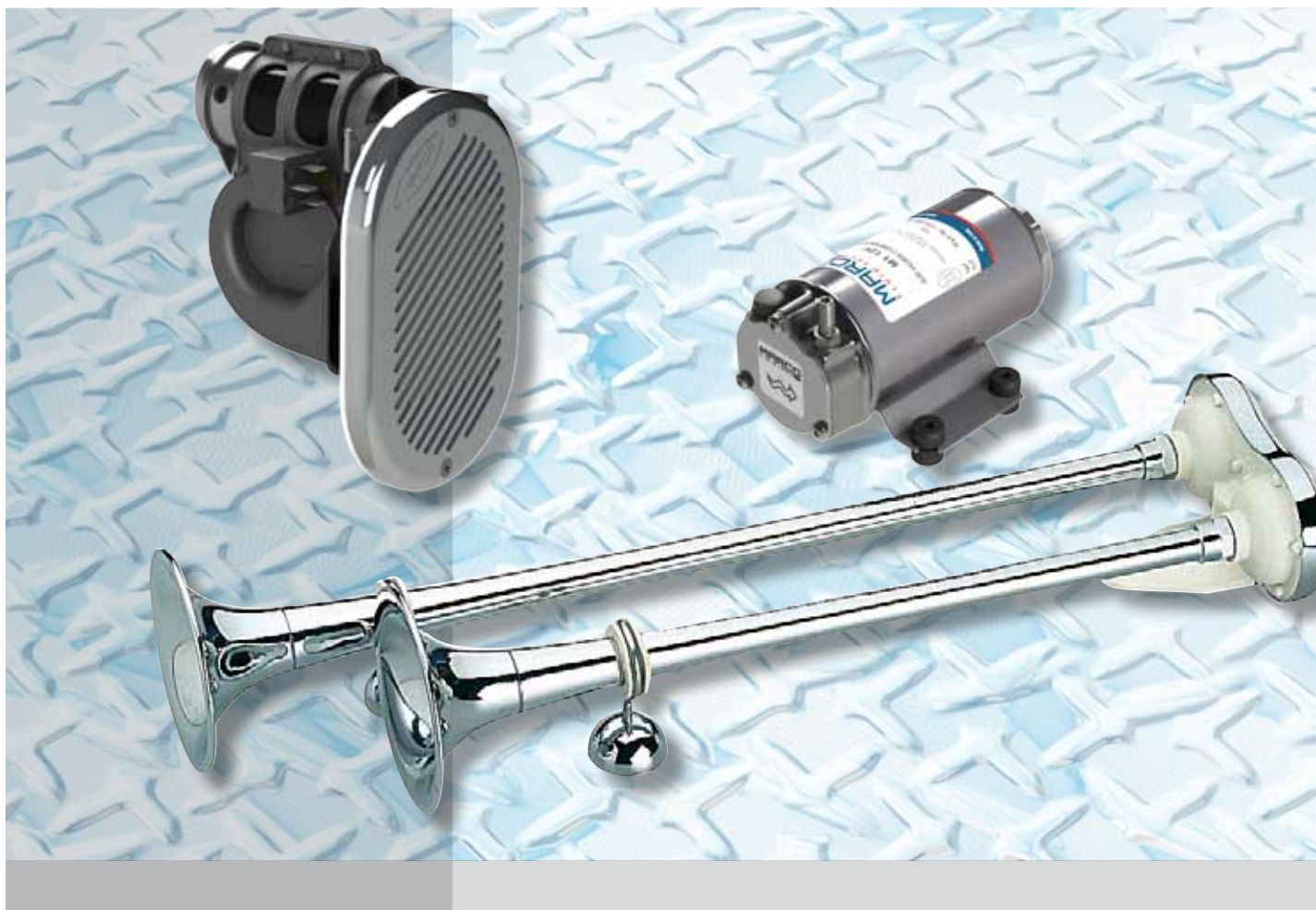
12V

CODICE PART NUMBER	VOLT	DIMENSIONI DIMENSIONS mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
132 103 22	12	90 x 114 x 117	108	400	5	Blister	12



H 90 x L 114 x W 117
H 3 1/2" x L 4 1/2" x W 4 5/8"

HORNS & WHISTLES



IT Trombe elettropneumatiche con eccezionale potenza sonora disponibili nelle versioni:

- singola (MA1C-MA1S-TC1-TC1/P);
- bitonale (RIM-N/ TT2-M);
- ad incasso con compressore integrato (HR1-HR1/C).

Cornetto disponibile in: - ABS bianco o cromato; - ottone cromato; - ottone verniciato bianco.

Le griglie per versione ad incasso sono in ASA bianco o cromato.

Complete di compressore rinforzato, kit di montaggio, relè.

DE Elektropneumatische Hörner mit sehr starkem Klang, in folgenden Versionen erhältlich:

- Einzelhorn (MA1C-MA1S-TC1-TC1/P);
- Zweitton-Horn (RIM-N/ TT2-M);
- Einbautyp mit integriertem Kompressor (HR1-HR1/C).

Trichter aus: - weißem oder verchromtem ABS; - verchromtem Messing; - weiß lackiertem Messing.

Die Schutzgitter für die Einbauversion sind aus weißem oder verchromtem ASA. Komplet mit verstärktem Kompressor, Montagekit und Relais.

FR Avertisseurs électropneumatiques avec un son très puissant, disponibles dans les versions suivantes :

- Seuls (MA1C-MA1S-TC1-TC1/P);
- Bitonal (RIM-N/ TT2-M);
- A' encastrer avec compresseur intégré (HR1-HR1/C);

Les grilles pour les versions à encastrer sont en ASA blanc ou chromé

Complètes avec compresseur, kit de montage, relais .

EN Electro-pneumatic horns with very powerful sound, available in the following versions:

- Single (MA1C-MA1S-TC1-TC1/P);
- Two-tone (RIM-N/ TT2-M);
- Built-in type with integrated compressor (HR1-HR1/C).

Trumpet in white or chromed ABS; - chromed brass ; - white-painted brass.

The grilles for the built-in types are in white or chromed ASA.

Complete with reinforced compressor, mounting kit, and relay.

ES Bocinas electro-neumáticas con sonido muy potente, disponibles en las siguientes versiones:

- Únicas (MA1C-MA1S-TC1-TC1/P);
- Bitonales (RIM-N/ TT2-M);
- Para empotrar, con compresor integrado (HR1-HR1/C).

Las rejillas para las versiones empotradas son de ASA blanco o cromado

Completas con compresor, kit de montaje, relé.

PT Buzinas electropneumáticas com somido muito potente, disponíveis nas seguintes versões:

- Únicas (MA1C-MA1S-TC1-TC1/P);
- Bitonales (RIM-N/ TT2-M);
- De encaixe, com compressor integrado (HR1-HR1/C).

As grelhas para as versões de encaixe são de ASA branco ou cromado.

Completas com compressor, kit de montagem, relé.

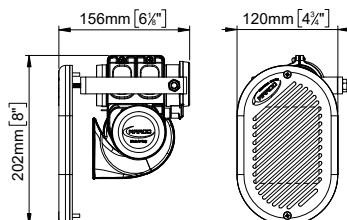
HR1

ASA GRILLE

HURRICANE



CODICE PART NUMBER	VOLT	dB (A) (1m)	Hz	AMP.	DIMENSIONI DIMENSIONS mm	IMBALLO PACKING	Pcs. x carton
134 080 12	12	120	300	18	202 x 156 x 120	Blister	12
134 080 13	24	120	300	9	202 x 156 x 120	Blister	12



H 202 x L 156 x W 120
H 8" x L 6 1/8" x W 4 3/4"

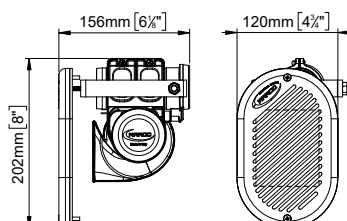
HR1/C

CHROMED GRILLE

HURRICANE



CODICE PART NUMBER	VOLT	dB (A) (1m)	Hz	AMP.	DIMENSIONI DIMENSIONS mm	IMBALLO PACKING	Pcs. x carton
134 081 12	12	120	300	18	202 x 156 x 120	Blister	12
134 081 13	24	120	300	9	202 x 156 x 120	Blister	12

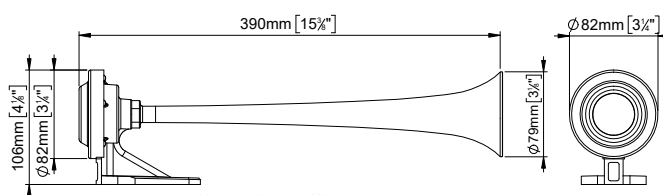


H 202 x L 156 x W 120
H 8" x L 6 1/8" x W 4 3/4"

MA1-C

CHROMED PLASTIC TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
134 000 12	12	390	114	326	18	Box	16
134 000 13	24	390	114	326	9	Box	16

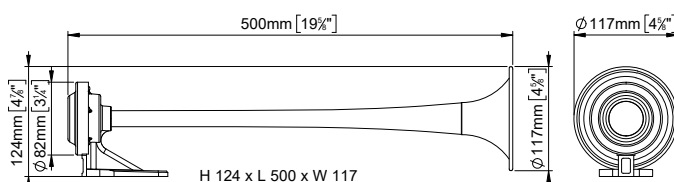


H 106 x L 390 x W 82
H 4 1/8" x L 15 3/8" x W 3 1/4"

MA1-S

CHROMED BRASS TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
134 001 12	12	500	117	228	18	Box	12
134 001 13	24	500	117	228	9	Box	12



H 124 x L 500 x W 117
H 4 7/8" x L 19 3/8" x W 4 5/8"

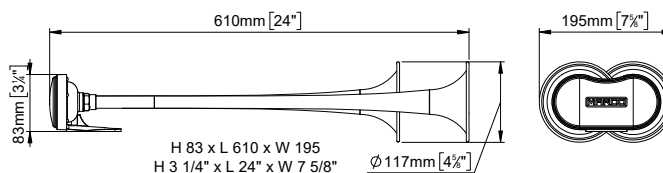
ELECTRIC AIR HORNS

RIM-N



CHROMED BRASS TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
134 020 12	12	610	111	177/218	26	Box	5
134 020 13	24	610	111	177/218	13	Box	5

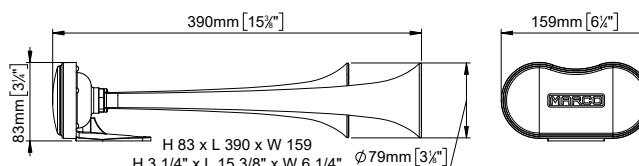


TT2-M



PLASTIC CHROMED HORNS

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
134 040 12	12	390	111	326/412	18	Box	12
134 040 13	24	390	111	326/412	9	Box	12

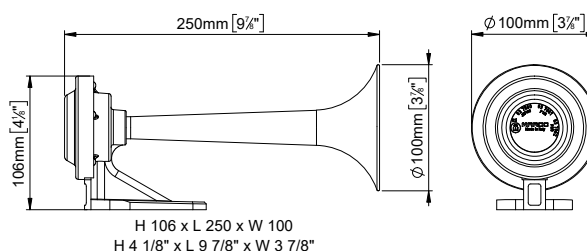


TC1



PAINTED BRASS TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
134 060 12	12	250	116	424	16	Box	24
134 060 13	24	250	116	424	8	Box	24

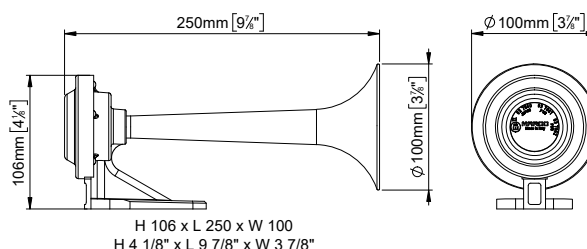


TC1/P



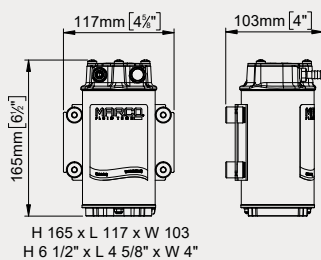
WHITE ABS TRUMPET

CODICE PART NUMBER	VOLT	LUNGHEZZA LENGTH mm	dB (A) (1m)	Hz	AMP.	IMBALLO PACKING	Pcs. x carton
134 061 12	12	250	116	420	16	Box	24
134 061 13	24	250	116	420	8	Box	24



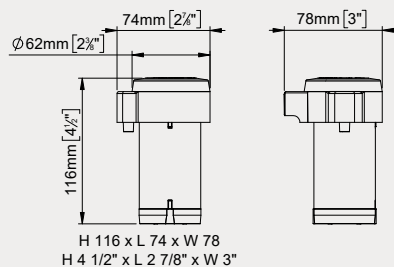
M1

FOR RIM-N

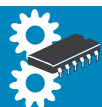


CODICE PART NUMBER	VOLT	PRESSIONE PRESSURE	MOTORE MOTOR	CORPO BODY	ROTORE ROTOR	ALBERO SHAFT	TUBO HOSE	DIMENSIONI DIMENSIONS mm	PESO WEIGHT
135 000 12	12	2 bar / 29 psi	180W	Alluminio Aluminium	Alluminio Aluminium	AISI 303	Ø 7 mm	165 x 117 x 103	2,4 kg
135 000 13	24	2 bar / 29 psi	180W	Alluminio Aluminium	Alluminio Aluminium	AISI 303	Ø 7 mm	165 x 117 x 103	2,4 kg

M2



CODICE PART NUMBER	VOLT	PRESSIONE PRESSURE	MOTORE MOTOR	CORPO BODY	ROTORE ROTOR	ALBERO SHAFT	ATTACCO CONNECTION	DIMENSIONI DIMENSIONS mm	PESO WEIGHT
113 100 02	12	1 bar / 14,5 psi	240W	Alluminio Aluminium	Acciaio Steel	C45	Ø 7 mm	116 x 74 x 78	0,5 kg
113 100 03	24	1 bar / 14,5 psi	264W	Alluminio Aluminium	Acciaio Steel	C45	Ø 7 mm	116 x 74 x 78	0,5 kg

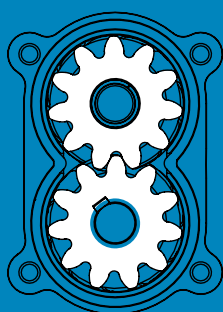


Electronic Pressure Pumps

UNIVERSAL VOLTAGE
12/24V



PTFE GEARS



SUITABLE FOR
FRESH & SALT WATER

IT Elettropompe autoadescanti ad ingranaggi elicoidali in PTFE, voltaggio universale 12V/24V, valvola di non ritorno e sensore di pressione elettronico. Gli ingranaggi in PTFE garantiscono pressione costante, cicli di lavoro prolungati, maggiore silenziosità e ottima resistenza ad agenti chimici. Corpo e connessioni in ottone nichelato, albero in acciaio inossidabile, tenute in FKM e O-ring in NBR. Disponibili nella versione con pannello di controllo elettronico per gestione a distanza della pompa.

DE Selbstansaugende, PTFE-Schrägzahnrad-Elektropumpen, 12V/24V Spannung, mit Rückschlagventil und elektronischem Drucksensor. Die PTFE-Zahnräder garantieren für einen konstanten Druck, für verlängerte Arbeitszyklen, Chemikalienresistenz und für verminderten Geräuschpegel. Gehäuse und Verbindungen aus vernickeltem Messing, Spindel aus rostfreiem Stahl, Dichtungen aus FKM und O-Ring aus NBR. Auch mit elektronischem Kontrollpaneel erhältlich.

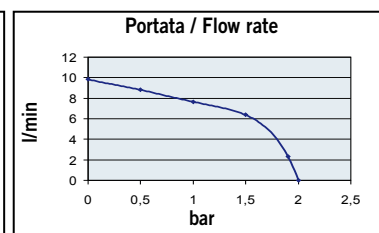
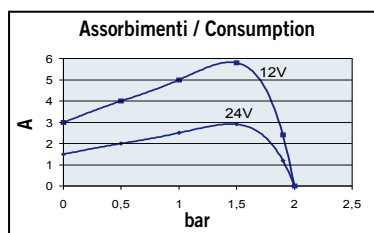
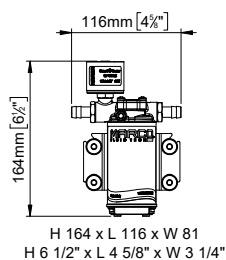
FR Pompes électriques auto amorçantes avec engrenages hélicoïdaux en PTFE, tension universelle 12V / 24V, clapet anti-retour et capteur de pression électronique. Les engrenages en PTFE garantissent une pression constante, long cycles de travail, moins de bruit et une excellente résistance aux produits chimiques. Corps et raccords en laiton nickelé, arbre en acier inoxydable. Joint en FKM et O-Ring en NBR. Disponibles en version avec panneau de contrôle électronique pour la gestion à distance de la pompe.

EN Self-priming electric pumps with helical PTFE gears, universal voltage 12V / 24V, check valve and electronic pressure sensor. The PTFE gears guarantee constant pressure, heavy-duty cycles, lower noise levels and excellent resistance to chemicals. Body and nickel-plated brass connections, stainless steel shaft. FKM seals and NBR O-rings. Also available with electronic control panel for remote control.

ES Electrobombas eléctricas auto-cebadas con engranajes helicoidales en PTFE, voltaje universal 12V/24V, válvula de retención y sensor de presión electrónico. Los engranajes de PTFE garantizan una presión constante, largos ciclos de trabajo, niveles de ruido reducidos y una excelente resistencia a los productos químicos. Cuerpo y conexiones en latón niquelado, eje de acero inoxidable. Sellos en FKM y O-ring en NBR. Disponibles en versión con panel de control electrónico para la gestión remota de la bomba.

PT Eletrobombas auto-aspirantes com engrenagens helicoidais em PTFE, tensão universal 12V / 24V, válvula de retenção e sensor de pressão eletrônico. As engrenagens de PTFE garantem uma pressão constante, longos ciclos de trabalho, baixos níveis de ruído e excelente resistência à produtos químicos. Corpo e ligações em latão niquelado, eixo em aço inox, selos em FKM e O-ring em NBR. Disponíveis na versão com painel de controle eletrônico para a gestão remota da bomba.

UP2/E



12/24V

PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
10 l/min 2.6 gpm	2 bar 29 psi

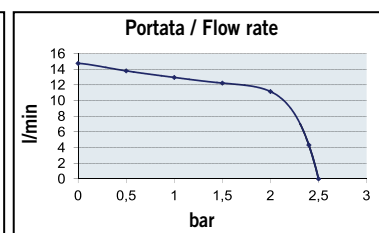
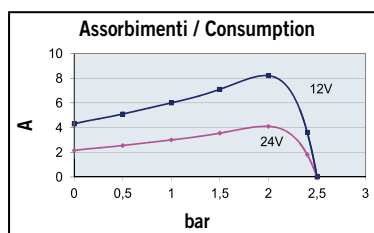
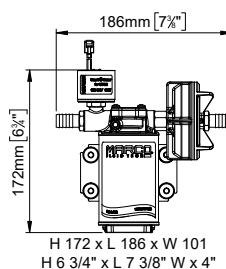
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 660 15	12/24	1,5	3A / 1,5A	90W	7,5A	12 mm	3/8" BSPP	1,3 kg

UP3/E



OPTIONAL

PCS Control Panel (page 37)



12/24V

PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
15 l/min 4 gpm	2,5 bar 36.3 psi

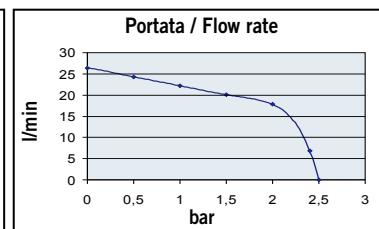
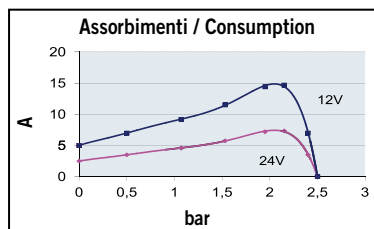
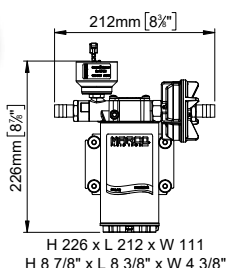
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 602 15	12/24	1,5	6A / 3A	150W	15A	13 mm	3/8" BSPP	2 kg

UP6/E



OPTIONAL

PCS Control Panel (page 37)

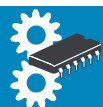


12/24V

PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
26 l/min 6.9 gpm	2,5 bar 36.3 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 622 15	12/24	1,5	10A / 5A	180W	20A	16 mm	1/2" BSPP	3,7 kg

WATER TRANSFER PUMPS



Electronic Pressure Pumps

UP12/E

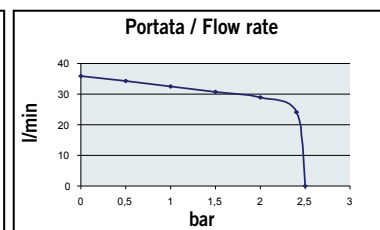
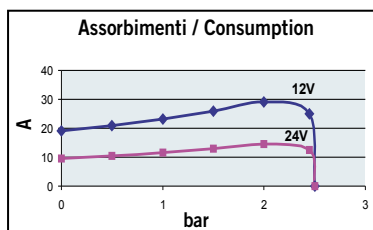
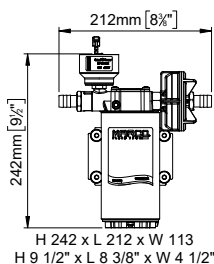


OPTIONAL

PCS Control Panel (page 37)



12/24V



PORTATA
FLOW RATE
max.

36 l/min
9.5 gpm

PRESSIONE
PRESSURE
max.

2,5 bar
36.3 psi

CODICE
PART NUMBER

164 681 15

VOLT

12/24

ADESCAM.
SELF-PRIM.
m

3

CONS.

14A / 7A

MOTORE
MOTOR

360W

FUSIBILE
FUSE

25A

TUBO
HOSE

16 mm

BOCCHIE
PORTS

1/2" BSPP

PESO
WEIGHT

4,9 kg

UP14/E

NEW

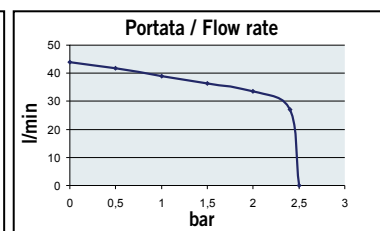
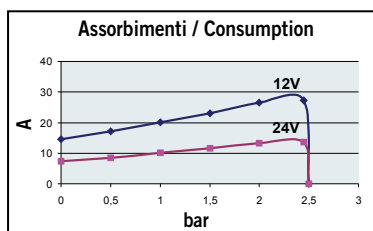
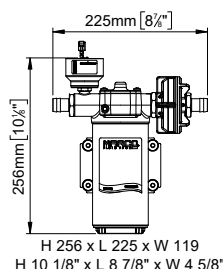


INCLUDED

PCS Control Panel (page 37)



12/24V



PORTATA
FLOW RATE
max.

46 l/min
12.2 gpm

PRESSIONE
PRESSURE
max.

2,5 bar
36.3 psi

CODICE
PART NUMBER

164 690 15

VOLT

12/24

ADESCAM.
SELF-PRIM.
m

3

CONS.

16A / 8A

MOTORE
MOTOR

400W

FUSIBILE
FUSE

30A

TUBO
HOSE

20 mm

BOCCHIE
PORTS

3/4" BSPP

PESO
WEIGHT

5,2 kg

UP6/E-DX

DUAL PUMPS

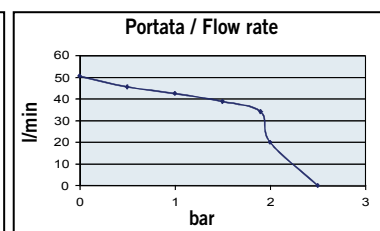
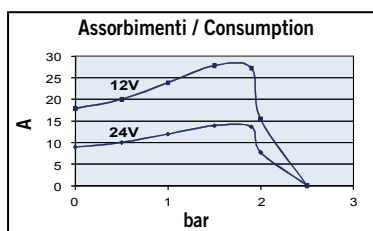
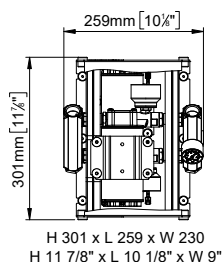


OPTIONAL

PCS Control Panel (page 37)



12/24V



PORTATA
FLOW RATE
max.

52 l/min
13.7 gpm

PRESSIONE
PRESSURE
max.

2,5 bar
36.3 psi

CODICE
PART NUMBER

164 624 15

VOLT

12/24

ADESCAM.
SELF-PRIM.
m

1,5

CONS.

18A / 9A

MOTORE
MOTOR

2 x 180W

FUSIBILE
FUSE

2 x 20A

BOCCHIE
PORTS

3/4" BSPP

PESO
WEIGHT

11,1 kg

UP66/E-DX

DUAL PUMPS

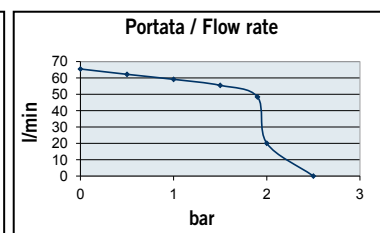
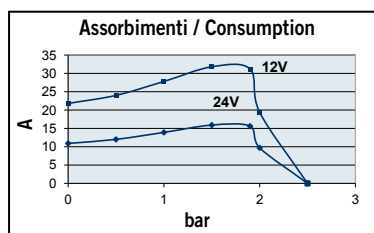
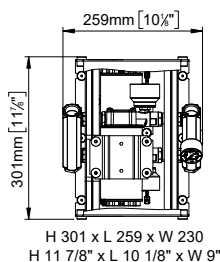


OPTIONAL

PCS Control Panel (page 37)



12/24V



PORTATA
FLOW RATE
max.
66 l/min
17.4 gpm

PRESSIONE
PRESSURE
max.
2,5 bar
36.3 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHIE PORTS	PESO WEIGHT
164 627 15	12/24	2	30A	1 x 180W 1 x 360W	20A + 25A	3/4" BSPP	13 kg

UP12/E-DX

DUAL PUMPS

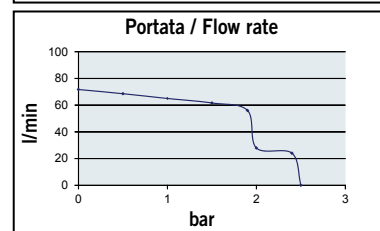
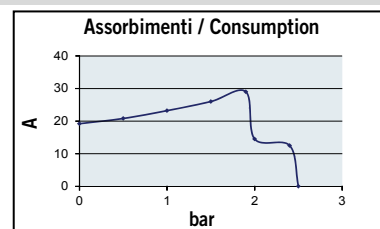
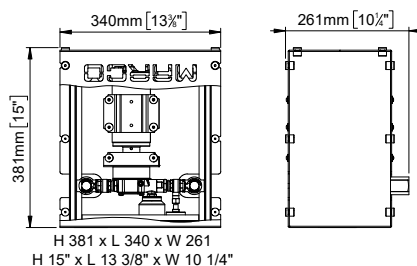


OPTIONAL

PCS Control Panel (page 37)



24V



PORTATA
FLOW RATE
max.
72 l/min
19 gpm

PRESSIONE
PRESSURE
max.
2,5 bar
36.3 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHIE PORTS	PESO WEIGHT
164 685 13	24	3	32A	2 x 360W	2 x 20A	1" BSPP	21,7 kg

UP14/E-DX

DUAL PUMPS

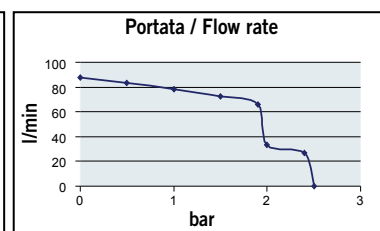
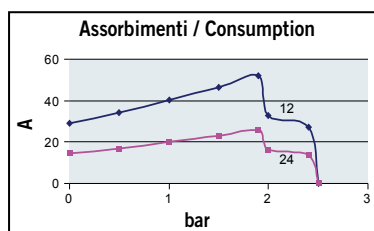
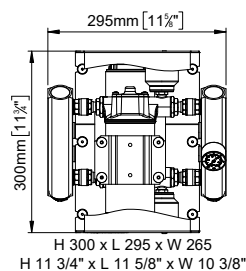


INCLUDED

PCS Control Panel (page 37)



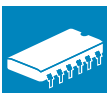
12/24V



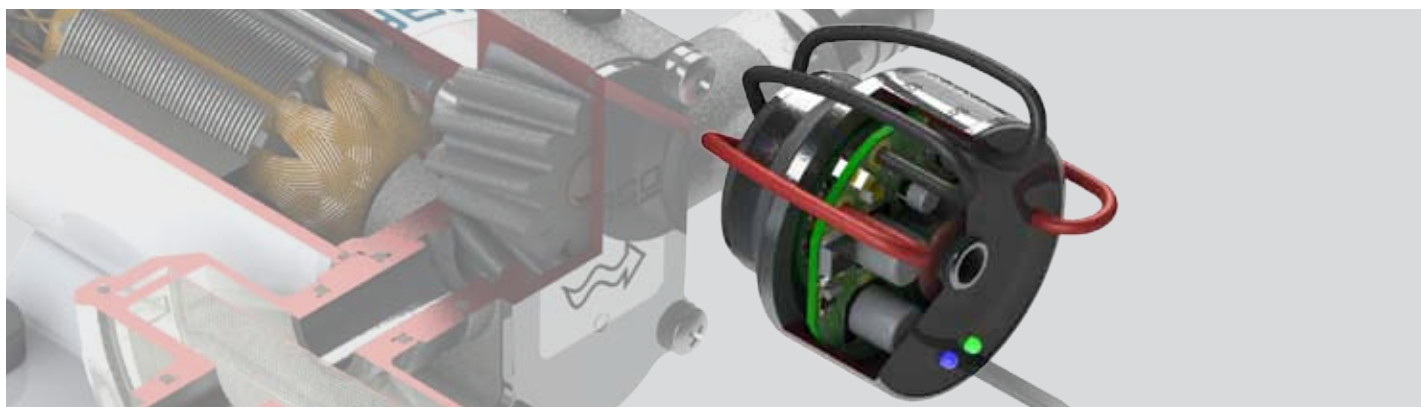
PORTATA
FLOW RATE
max.
92 l/min
24.3 gpm

PRESSIONE
PRESSURE
max.
2,5 bar
36.3 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHIE PORTS	PESO WEIGHT
164 691 15	12/24	3	32A / 16A	2 x 400W	2 x 30A	1" BSPP	17 kg



THE ELECTRONIC PRESSURE SENSOR



- IT** Il sensore di pressione elettronico regola la portata richiesta variando proporzionalmente i giri del motore e garantisce:
- Controllo costante di pressione, corrente e voltaggio
 - Protezione della pompa da cortocircuiti e sovratensioni
 - Arresto automatico in caso di fine liquido
 - Riduzione dei disturbi elettrici grazie all'accelerazione graduale del motore
 - Maggiore silenziosità
 - Ottimizzazione dei consumi di corrente
 - Minor usura dei componenti e maggior durata del sistema
 - Segnalazioni operative tramite LED luminosi

- EN** The electronic pressure sensor controls the requested flow rate by proportionally adapting the speed of the motor and guarantees:
- Constant control of pressure, voltage and electrical draw
 - Protection of the pump from short circuits and over tensions
 - Automatic stop in case of no liquid
 - Reduction of electrical interferences thanks to the gradual acceleration of the motor
 - Noise reduction during operation
 - Optimization of electrical draw
 - Reduced wear of components and increased life of the system
 - Operative functions signaled by luminous LEDs

- DE** Der elektronische Drucksensor regelt die Leistung anhand der Drehzahl des Motors und garantiert:
- Konstante Kontrolle von Druck, Strom und Spannung
 - Sichert die Pumpe gegen Kurzschlüssen und Überströmen
 - Automatische Stop-Funktion bei Flüssigkeitsmangel
 - Verminderung der elektrischen Störungen dank der graduellen Steigerung des Motors
 - Geräuschärmer
 - Optimierung des Stromverbrauchs
 - Reduzierung der mechanischen Verschleißteile und verlängerte Dauer des Systems
 - Betriebsfunktionen werden anhand von LED-Leuchten angezeigt

- FR** Le capteur de pression électronique contrôle le débit demandé en adaptant proportionnellement la vitesse du moteur et garantit:
- Contrôle constant de pression, tension et tirage électrique
 - Protection de la pompe contre les courts circuits et les surcharges
 - Arrêt automatique en cas de fin du liquide
 - Réduction des interférences électriques grâce à l'accélération progressive du moteur
 - Réduction du bruit pendant le fonctionnement
 - Optimisation du tirage électrique
 - Réduction de l'usure des composants et durée de vie accrue du système
 - Fonctions opérationnelles signalées par LEDs lumineuses

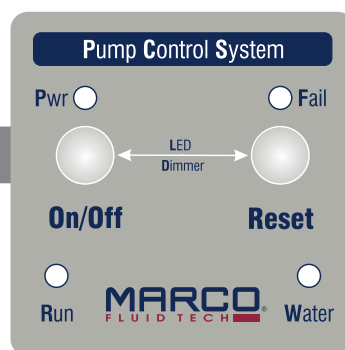
- ES** El sensor de presión electrónico controla el caudal requerido adaptando gradualmente la velocidad del motor y garantiza:
- Control constante de presión, corriente y voltaje
 - Protección de la bomba contra cortocircuitos y sobretensiones
 - Paro automático en caso de acabar el líquido
 - Reducción de los disturbios eléctricos gracias a la aceleración gradual del motor
 - Reducción del ruido durante el funcionamiento
 - Optimización del consumo eléctrico
 - Menor desgaste de los componentes y mayor duración de la vida del sistema
 - Condiciones operativas señaladas por LEDs luminosos

- PO** O sensor de pressão eletrônico controla o fluxo desejado adaptando gradualmente a velocidade do motor e garante:
- Controle constante de pressão, corrente e tensão
 - Proteção da bomba contra curtos-circuitos e sobretensões
 - Paragem automática em caso do líquido acabar
 - Redução das interferências elétricas graças à aceleração gradual do motor
 - Redução de ruído durante o funcionamento
 - Otimização do consumo de eletricidade
 - Desgaste reduzido dos componentes e maior duração do sistema
 - Condições de funcionamento indicadas pelos LEDs iluminados



PCS - Pump Control System

OPTIONAL



IT Il pannello di controllo PCS permette di monitorare a distanza il funzionamento della pompa ed interagire con essa.

Caratteristiche:

- Monitoraggio a distanza del funzionamento della pompa ed interazione con essa: verifica della presenza di liquido e reset in caso di malfunzionamento senza togliere l'alimentazione.
- Il LED "Run" segnala il funzionamento della pompa ed avvisa in caso di piccole perdite nell'impianto evitando danni al motore a causa del funzionamento prolungato a bassi giri.
- Arresto e riavvio della pompa con la semplice pressione di un tasto.
- Connessione rapida del pannello al cavo di 3m con attacco RJ11/6 integrato nel sensore della pompa.
- Possibilità di montaggio ad incasso con foro circolare di diametro 70mm o di montaggio esterno.
- Morsetti che permette di replicare i pulsanti e i LED presenti sul pannello su un circuito esterno: questo permette di gestire in modo personalizzato le funzionalità su un dispositivo progettato da terze parti.

DE Das PCS Kontroll- Paneel ermöglicht es, die elektronische Pumpe fern zu steuern und mit ihr zu interagieren.

Eigenschaften:

- Fernüberwachung des Pumpenlaufs und deren Fernsteuerung: kontrolliert das Vorhandensein von Flüssigkeit, bei Fehlbetrieb schaltet sich die Reset-Funktion ein, ohne alles ausschalten zu müssen.
- Das "Run" LED zeigt an, dass die Pumpe arbeitet und gibt eine Warnung an bei kleinen Wasserverlusten im System. Damit kann, bei längerem Betrieb mit niedrigen Umdrehungen, ein Motorschaden verhindert werden.
- Stoppen und Starten der Pumpe wird mit einem Knopfdruck betätigt.
- Schnellverbindung des Paneels an das 3m RJ11/6 Kabel, das in dem Pumpensensor integriert ist.
- Einbaumöglichkeit in rundem, 70mm- Durchmesser Loch oder externe Montage.
- Mit dem Verteiler kann man die Knöpfe und LEDs des Paneels auf einen externen Kreis wiedergeben: dieses ermöglicht eine individuelle Einstellung der Funktionen auf einer externen Vorrichtung, die von Dritten entworfen wurde.

FR Le panneau de contrôle PCS vous permet de surveiller à distance le fonctionnement de la pompe et d'interagir avec elle.

Les caractéristiques:

- Surveillance à distance du fonctionnement de la pompe et de l'interaction avec elle: vérification de la présence de liquide et réinitialisation en cas de dysfonctionnement sans débrancher l'appareil.
- Le LED "Run" indique que la pompe est en marche et donne l'alerte en cas de petites fuites dans le système, pour prévenir des dommages au moteur en raison d'un fonctionnement prolongé à faible vitesse.
- Arrêt et démarrage de la pompe avec une simple pression sur un bouton.
- Connexion rapide du panneau au câble de 3m avec terminal RJ11/6, intégré dans le capteur de la pompe.
- Le panneau peut être encastré dans un trou circulaire d'un diamètre de 70 mm ou monté à l'extérieur.
- Le bornier permet à l'utilisateur de reproduire les boutons et les LEDs du panneau sur un circuit externe favorisant ainsi une gestion personnalisée des fonctions grâce à un dispositif externe conçu par des tiers.

EN The PCS control panel allows you to remotely monitor the operation of the pump and interact with it.

Characteristics:

- Remote monitoring of the pump operation and interaction with it: checking of liquid presence and reset in case of malfunction without disconnecting the device.
- The "Run" LED indicates that the pump is working and alerts in case of small leaks in the system, preventing motor damage due to prolonged operation at low speed.
- Stop and Start of the pump with a simple push of a button.
- Quick connection of the panel to the 3m RJ11/6 terminal cable integrated in the sensor of the pump.
- The panel can be recessed in a circular hole of a 70mm diameter or externally mounted.
- The terminal block allows the user to replicate the buttons and leds of the panel on an external circuit thus favoring a personalized management of the functions through an external device designed by third parties.

ES El panel de control PCS permite controlar a distancia el funcionamiento de la bomba e interactuar con ella.

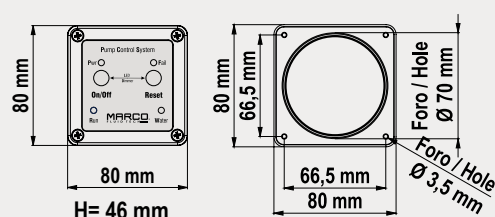
Características:

- Monitorización remota del funcionamiento de la bomba e interacción con ella: Comprobación de la presencia de líquido y reinicio en caso de avería sin necesidad de desconectar el dispositivo.
- El LED « Run » indica que de la bomba está funcionando y avisa en caso de pequeñas fugas en el sistema, para prevenir daños en el motor debido al funcionamiento prolongado a baja velocidad.
- Apagamiento e reinicio de la bomba con una simple pulsación de un botón.
- Conexión rápida del panel al cable de 3m con terminal RJ11 / 6, integrado en el sensor de la bomba.
- El panel puede ser empotrado dentro de un orificio circular de un diámetro de 70 mm o montado externamente.
- El bloque de terminales permite al usuario reproducir los botones y LEDs del panel en un circuito externo: esto permite una gestión personalizada de las funciones a través de un dispositivo externo diseñado por terceros.

PT O painel de controle PCS permite monitorar remotamente o funcionamento da bomba e interagir com a mesma.

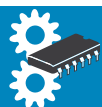
Características:

- Monitoramento remoto da operação da bomba e interação com a mesma: verificação da presença de líquido e reinício em caso de funcionamento defeituoso sem desligar o dispositivo.
- O LED "Run" indica que a bomba está funcionando e alerta em caso de pequenas fugas no sistema, para evitar danos no motor devido a um funcionamento prolongado a baixa velocidade.
- Paragem e arranque da bomba com uma simples pressão dum botão.
- Ligação rápida do painel ao cabo de 3m com terminal RJ11 / 6, integrado no sensor da bomba.
- O painel pode ser embutido num orifício circular com um diâmetro de 70 mm ou montado externamente.
- Um bloco de terminais permite replicar os botões e LEDs do painel num circuito externo: isto permite controlar individualmente as funções num dispositivo projetado por terceiros.



TIPO TYPE	CODICE PART NUMBER	VOLT	PROTEZIONE PROTECTION	DIMENSIONI DIMENSIONS mm	FORO HOLE mm	CONNESSIONE CONNECTION
PCS	165 203 15	12/24	IP65	80 x 80 x 46	Ø 70	RJ11

WATER TRANSFER PUMPS



12V/24V Electronic Pump Shower Kit

SP2

**COMPLETE
SHOWER KIT**



12/24V



PORTATA
FLOW RATE
max.

10 l/min
2.6 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

CODICE
PART NUMBER

164 900 15

VOLT

12/24

ADESCAM.
SELF-PRIM.
m

1,5

CONS.

3A / 1,5A

MOTORE
MOTOR

90W

FUSIBILE
FUSE

7,5A

TUBO
HOSE

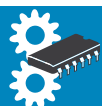
12 mm

BOCCHIE
PORTS

3/8" BSPP

PESO
WEIGHT

2,3 kg



12V/24V Electronic Pump Tank Kits

TK1/2

**TANK KIT
107 LITERS**



12/24V



PORTATA
FLOW RATE
max.

10 l/min
2.6 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

CODICE
PART NUMBER

164 910 15

VOLT

12/24

POMPA
PUMP

UP2/E

CAPACITA' SERBATOIO
TANK CAPACITY
l

107

DIMENSIONI
DIMENSIONS
mm

1054 x 290 x 390

FUSIBILE
FUSE

7,5A

BOCCHIE
PORTS

3/8" BSPP

TK2/2

**TANK KIT
67 LITERS**



12/24V



PORTATA
FLOW RATE
max.

10 l/min
2.6 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

CODICE
PART NUMBER

164 911 15

VOLT

12/24

POMPA
PUMP

UP2/E

CAPACITA' SERBATOIO
TANK CAPACITY
l

67

DIMENSIONI
DIMENSIONS
mm

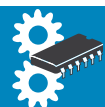
654 x 290 x 390

FUSIBILE
FUSE

7,5A

BOCCHIE
PORTS

3/8" BSPP



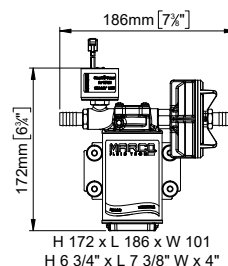
12V/24V Electronic Deck Washing Pumps

DP3/E

WASH DOWN KIT



12/24V



Spare parts and accessories

DQC



Page 71

PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
14 l/min 3.7 gpm	3 bar 43.5 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHE PORTS	PESO WEIGHT
164 801 15	12/24	1,5	10A	150W	15A	13 mm	3/8" BSPP	4,6 kg

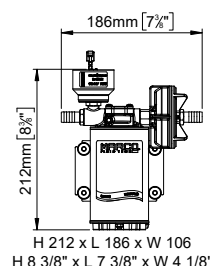
DP9/E

HIGH PRESSURE

WASH DOWN KIT



12/24V



Spare parts and accessories

DQC



Page 71

PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
12 l/min 3.2 gpm	4,5 bar 65.3 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHE PORTS	PESO WEIGHT
164 821 15	12/24	1,5	12A	180W	15A	13 mm	3/8" BSPP	4,6 kg

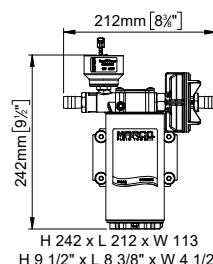
DP12/E

HIGH PRESSURE

WASH DOWN KIT



12/24V



Spare parts and accessories

DQC



Page 71

PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
15 l/min 4 gpm	5 bar 72.5 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHE PORTS	PESO WEIGHT
164 841 15	12/24	3	24A	360W	25A	13 mm	3/8" BSPP	5,5 kg

Watch the video



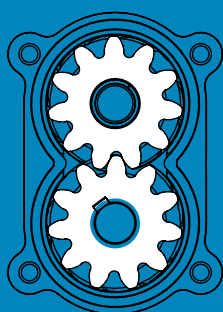


PTFE Gear Pumps

**HIGH
SPEED**



PTFE GEARS



**SUITABLE FOR
FRESH & SALT WATER**



IT Elettropompe autoadescanti ad ingranaggi elicoidali in PTFE per travaso acqua e liquidi a bassa viscosità. Gli ingranaggi in PTFE garantiscono pressione costante, cicli di lavoro prolungati, maggiore silenziosità e ottima resistenza ad agenti chimici. Corpo in ottone nichelato, albero in acciaio inossidabile e tenuta in FKM se non diversamente specificato. Disponibili in versioni con filtro in linea, valvola di non ritorno.

DE Selbstansaugende Elektropumpen mit PTFE-Schrägzahnrädern. Die PTFE-Zahnräder garantieren für einen konstanten Druck, für verlängerte Arbeitszyklen, Chemikalienresistenz und für verminderten Geräuschpegel. Gehäuse aus vernickeltem Messing, Spindel aus rostfreiem Stahl, Dichtung aus FKM, falls nicht anders angegeben. Modelle lieferbar mit In-Line-Filter, Rückschlagventil.

FR Pompes électriques auto amorçantes avec des engrenages hélicoïdaux de PTFE pour le transfert de l'eau et des liquides à faible viscosité. Les engrenages en PTFE garantissent une pression constante, long cycles de travail, moins de bruit et une excellente résistance aux produits chimiques. Corps en laiton nickelé, arbre en acier inoxydable et joint en FKM, sauf indication contraire. Disponibles dans les versions avec filtre en ligne, clapet anti-retour.

EN Self priming electric pumps with helical PTFE gears for the transfer of water and liquids with low viscosity. The PTFE gears guarantee constant pressure, heavy-duty cycles, lower noise levels and excellent resistance to chemicals. Nickel-plated brass body, stainless steel shaft and FKM seal unless otherwise specified. Available in versions with in-line filter, integrated check valve.

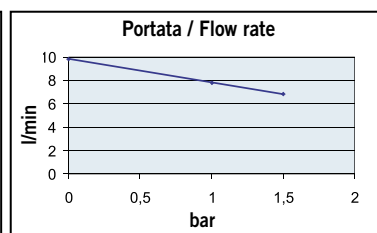
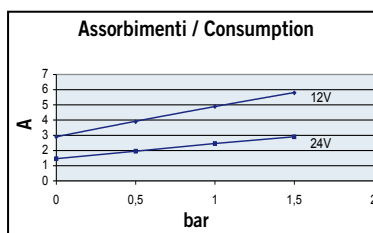
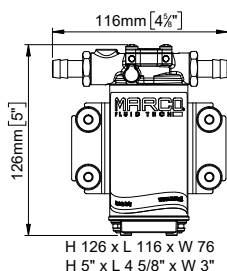
ES Bombas eléctricas auto-cebadas con engranajes helicoidales en PTFE para la transferencia de agua y líquidos de baja viscosidad. Los engranajes de PTFE garantizan una presión constante, largos ciclos de trabajo, niveles de ruido reducidos y una excelente resistencia a los productos químicos. Cuerpo en latón niquelado, eje de acero inoxidable y junta de FKM si no diferentemente especificado. Disponible en versiones con filtro en línea, válvula de retención.

PT Bombas com engrenagens helicoidais em PTFE para a trasfega de água e líquidos de baixa viscosidade. As engrenagens de PTFE garantem uma pressão constante, longos ciclos de trabalho, baixos níveis de ruído e excelente resistência aos produtos químicos. Corpo em latão niquelado, eixo em aço inox e junta em FKM salvo indicação diferente. Disponíveis em versões com filtro em linha, válvula anti-retorno.

UP2-P



12V
24V



PORTATA
FLOW RATE
max.
10 l/min
2.6 gpm

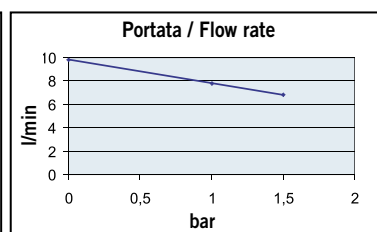
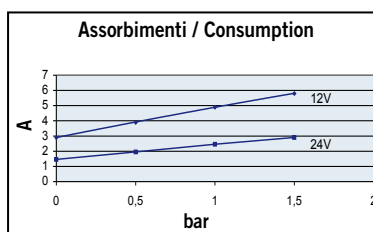
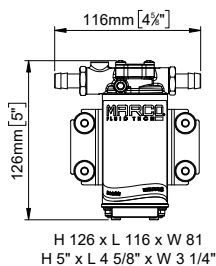
PRESSIONE
PRESSURE
max.
1,5 bar
21.8 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 202 12	12	1,5	3A	90W	5A	12 mm	3/8" BSPP	1,2 kg
164 202 13	24	1,5	1,5A	90W	3A	12 mm	3/8" BSPP	1,2 kg

UP2-PV



12V
24V



PORTATA
FLOW RATE
max.
10 l/min
2.6 gpm

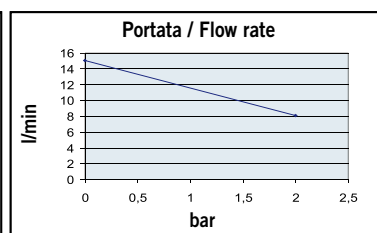
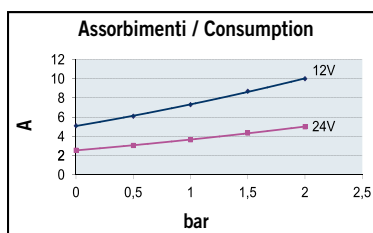
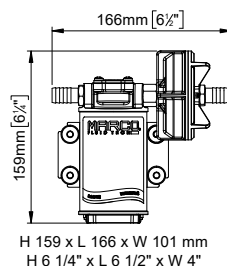
PRESSIONE
PRESSURE
max.
1,5 bar
21.8 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 204 12	12	1,5	3A	90W	5A	12 mm	3/8" BSPP	1,2 kg
164 204 13	24	1,5	1,5A	90W	3A	12 mm	3/8" BSPP	1,2 kg

UP3-P



12V
24V



PORTATA
FLOW RATE
max.
15 l/min
4 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

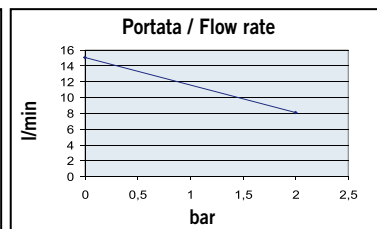
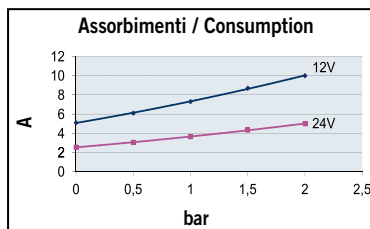
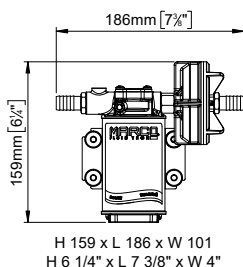
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 002 12	12	1,5	6A	120W	10A	13 mm	3/8" BSPP	1,6 kg
164 002 13	24	1,5	3A	120W	5A	13 mm	3/8" BSPP	1,6 kg

WATER TRANSFER PUMPS



PTFE Gear Pumps

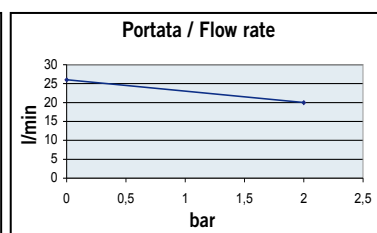
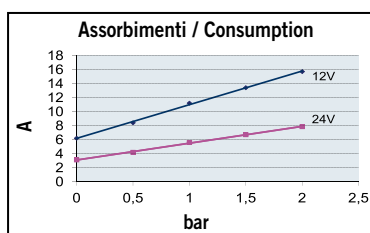
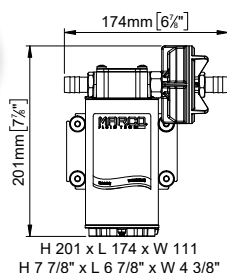
UP3-PV



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
15 l/min 4 gpm	2 bar 29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 004 12	12	1,5	6A	120W	10A	13 mm	3/8" BSPP	1,6 kg
164 004 13	24	1,5	3A	120W	5A	13 mm	3/8" BSPP	1,6 kg

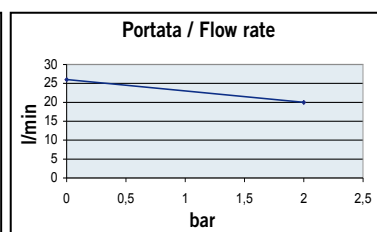
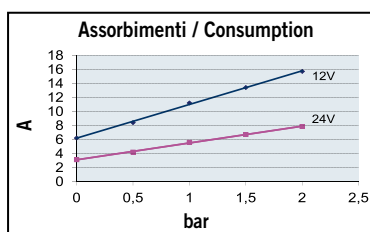
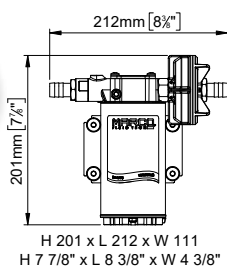
UP6-P



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
26 l/min 6.9 gpm	2 bar 29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 065 12	12	1,5	10A	180W	15A	16 mm	1/2" BSPP	3,1 kg
164 065 13	24	1,5	5A	180W	7,5A	16 mm	1/2" BSPP	3,1 kg

UP6-PV



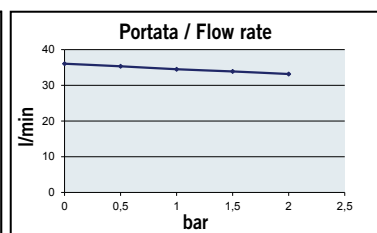
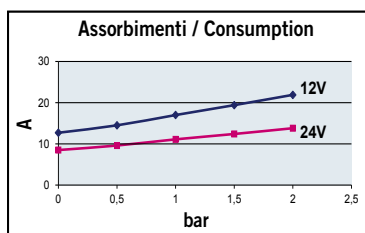
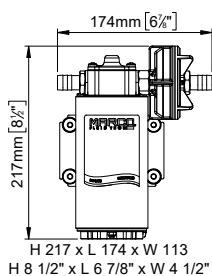
PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
26 l/min 6.9 gpm	2 bar 29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 063 12	12	1,5	10A	180W	15A	16 mm	1/2" BSPP	3,4 kg
164 063 13	24	1,5	5A	180W	7,5A	16 mm	1/2" BSPP	3,4 kg

UP12-P



12V
24V



PORTATA
FLOW RATE
max.

36 l/min
9.5 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHE
PORTS

PESO
WEIGHT

164 302 12

12

3

14A

360W

20A

16 mm

1/2" BSPP

4,3 kg

164 302 13

24

3

8A

360W

15A

16 mm

1/2" BSPP

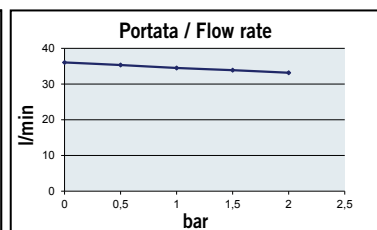
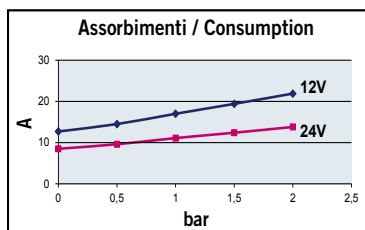
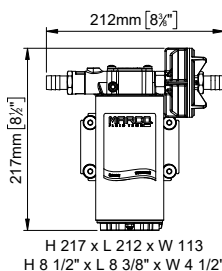
4,3 kg

UP12-PV



INTEGRATED
CHECK VALVE

12V
24V



PORTATA
FLOW RATE
max.

36 l/min
9.5 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHE
PORTS

PESO
WEIGHT

164 304 12

12

3

14A

360W

20A

16 mm

1/2" BSPP

4,3 kg

164 304 13

24

3

8A

360W

15A

16 mm

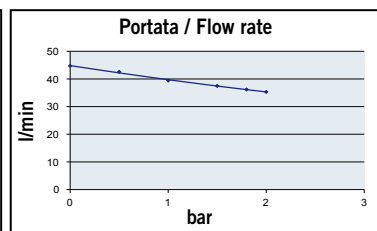
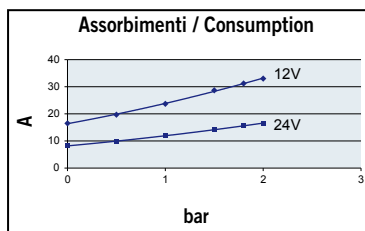
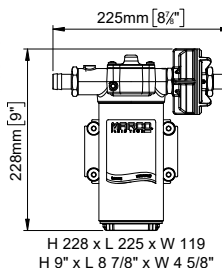
1/2" BSPP

4,3 kg

UP14-P



12V
24V



PORTATA
FLOW RATE
max.

46 l/min
12.2 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHE
PORTS

PESO
WEIGHT

164 502 12

12

3

16A

400W

30A

20 mm

3/4" BSPP

5 kg

164 502 13

24

3

8A

400W

20A

20 mm

3/4" BSPP

5 kg

WATER TRANSFER PUMPS



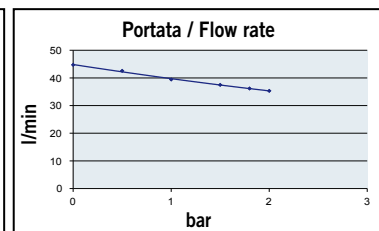
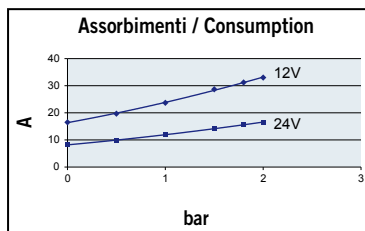
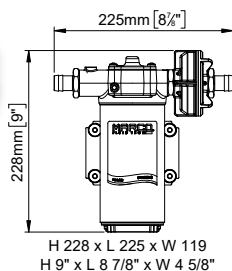
PTFE Gear Pumps

UP14-PV

**INTEGRATED
CHECK VALVE**



**12V
24V**



PORTATA
FLOW RATE
max.

**46 l/min
12.2 gpm**

PRESSIONE
PRESSURE
max.

**2 bar
29 psi**

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHIE
PORTS

PESO
WEIGHT

164 504 12

12

3

16A

400W

30A

20 mm

3/4" BSPP

5 kg

164 504 13

24

3

8A

400W

20A

20 mm

3/4" BSPP

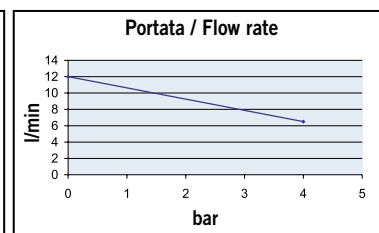
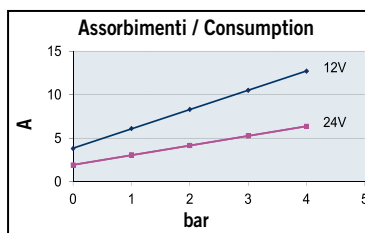
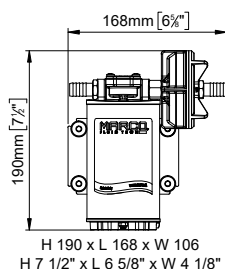
5 kg

UP9-P

HIGH PRESSURE



**12V
24V**



PORTATA
FLOW RATE
max.

**12 l/min
3.2 gpm**

PRESSIONE
PRESSURE
max.

**4 bar
58 psi**

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHIE
PORTS

PESO
WEIGHT

164 102 12

12

1,5

5A

180W

15A

13 mm

3/8" BSPP

2,7 kg

164 102 13

24

1,5

3A

180W

7,5A

13 mm

3/8" BSPP

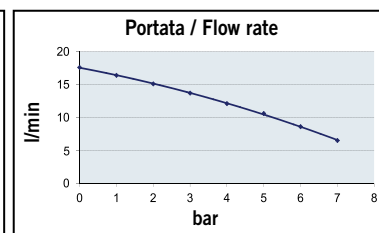
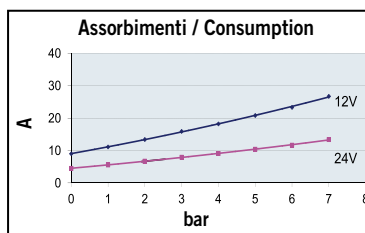
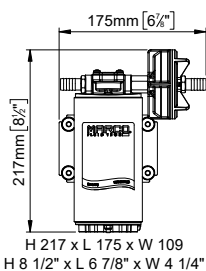
2,7 kg

UP10-P

HIGH PRESSURE



**12V
24V**



PORTATA
FLOW RATE
max.

**18 l/min
4.8 gpm**

PRESSIONE
PRESSURE
max.

**7 bar
101.5 psi**

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHIE
PORTS

PESO
WEIGHT

164 402 12

12

3

11A

360W

25A

13 mm

3/8" BSPP

3,8 kg

164 402 13

24

3

5A

360W

20A

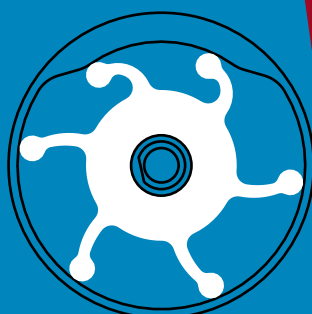
13 mm

3/8" BSPP

3,8 kg



Impeller Pumps



REVERSIBLE

**ISO 8849
ISO 8846**

IT Elettropompe autoadescanti con girante flessibile in gomma. La girante in gomma garantisce alta portata e permette il passaggio di piccole impurità contenute nelle acque grigie. Disponibili con portate da 28 l/min a 45 l/min e in versioni con interruttore o deviatore integrati. Dotate di portaspazzole interno con filtro antisturbo EMI, calotta impermeabile e passacavo stagno. Corpo in ottone nichelato, albero in acciaio inossidabile. Tenute in FKM e O-ring in NBR. ISO 8849 e ISO 8846.

DE Selbstansaugende Elektropumpen mit flexiblem Schaufelrad aus Nitrilgummi. Das Schaufelrad aus Gummi garantiert für eine hohe Leistung und erlaubt das Vorbeifließen von kleinen Unreinheiten, die in Grauwasser vorhanden sind. Jetzt verfügbar mit Förderleistung 28l/min und 45l/min. Erhältlich entweder mit integriertem Ein- und Aus-Schalter oder 3-Positionen-Schalter. Wird mit internem Bürstenhalter mit EMI-Filter, wasserdichtem Deckel und Kabeldurchgang geliefert. Gehäuse aus vernickeltem Messing, Spindel aus rostfreiem Stahl. Dichtungen aus FKM und O-Ring aus NBR. ISO 8849 und ISO 8846.

FR Pompes électriques auto-amorçantes avec rotor flexible vulcanisé. Le rotor assure un débit élevé et permet le passage de petites impuretés dans les eaux usées. Disponibles avec capacités de 28 l / min jusqu'à 45 l / min et en versions avec interrupteur ou déviateur intégrés. Corps en laiton nickelé, arbre en acier inoxydable, joint en FKM et O-Ring en NBR. Le port balais se trouve à l'intérieur, protégé par une calotte avec galoche, joint et filtre EMI. ISO 8846 ET ISO 8849.

EN Self-priming electric pumps with rubber impeller. The rubber impeller guarantees a high flow rate and allows the passage of small impurities in wastewaters. Available with capacities from 28l/min up to 45 l/min and in versions with integrated on-off switch or flow reverser switch. Nickel-plated brass body and stainless steel shaft, FKM seals and NBR O-rings. Fitted with waterproof cable guide and internal brush holder with EMI filter. ISO 8846 and ISO 8849.

ES Electrobombas auto-cebadas con impulsor vulcanizado. El impulsor asegura un caudal elevado y permite el paso de pequeñas impurezas en el agua residual. Disponibles con capacidades desde 28 l/min hasta a 45 l/min y en versiones con interruptor o desviador de flujo integrados. Cuerpo en latón niquelado, eje en acero inoxidable. Sellos en FKM y O-ring and NBR. Equipadas con pasa-cable impermeable y porta-escobillas interno con filtro EMI. ISO 8846 e ISO 8849.

PT Eletrobombas autoaspirantes com impulsor de borracha. O impulsor garante um fluxo elevado e a passagem de pequenas impurezas contidas na água de resíduos. Agora disponíveis em 3 dimensões com capacidades de 28 l/min até 45 l/min e em versões com interruptor on-off ou desviador de fluxo integrados. Corpo em latão niquelado, eixo em aço inox. Selos em FKM y O-ring em NBR. Porta-escovas interno com filtro EMI, tampa impermeável e passa fios hermético. ISO 8849 e ISO 8846.

WATER TRANSFER PUMPS

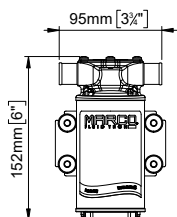


Impeller Pumps 12V and 24V - DC

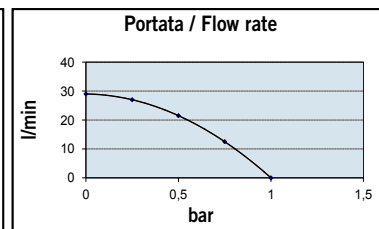
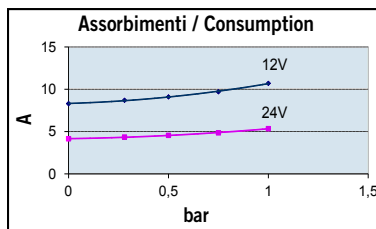
UP1-J



12V
24V



H 152 x L 95 x W 82
H 6" x L 3 3/4" x W 3 1/4"



PORTATA
FLOW RATE
max.
28 l/min
7.4 gpm

PRESSIONE
PRESSURE
max.
1 bar
14.5 psi

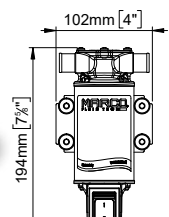
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
162 004 12	12	1,5	8A	150W	10A	20 mm	3/8" BSPP	1,8 kg
162 004 13	24	1,5	4A	150W	7,5A	20 mm	3/8" BSPP	1,8 kg

UP1-JS

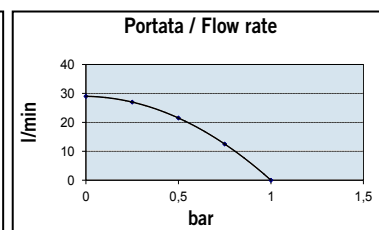
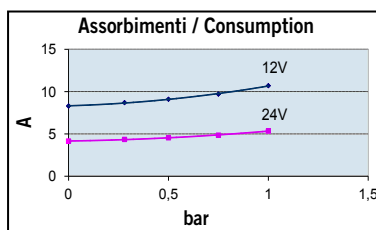
On/Off switch



12V
24V



H 194 x L 102 x W 82
H 7 5/8" x L 4" x W 3 1/4"



PORTATA
FLOW RATE
max.
28 l/min
7.4 gpm

PRESSIONE
PRESSURE
max.
1 bar
14.5 psi

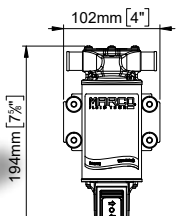
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
162 010 12	12	1,5	8A	150W	10A	20 mm	3/8" BSPP	1,8 kg
162 010 13	24	1,5	4A	150W	7,5A	20 mm	3/8" BSPP	1,8 kg

UP1-JR

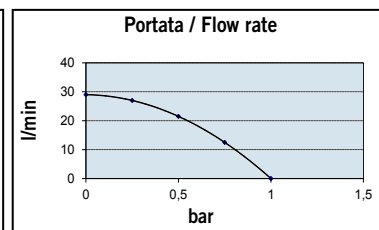
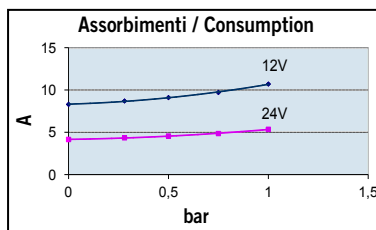
On/Off 3 positions
reversing switch



12V
24V



H 194 x L 102 x W 82
H 7 5/8" x L 4" x W 3 1/4"



PORTATA
FLOW RATE
max.
28 l/min
7.4 gpm

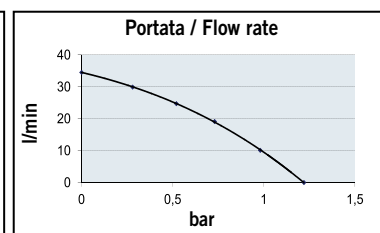
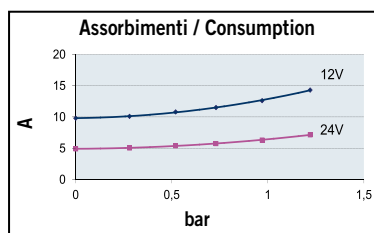
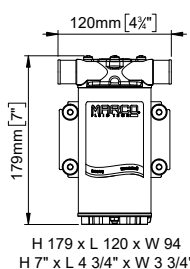
PRESSIONE
PRESSURE
max.
1 bar
14.5 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
162 011 12	12	1,5	8A	150W	10A	20 mm	3/8" BSPP	1,8 kg
162 011 13	24	1,5	4A	150W	7,5A	20 mm	3/8" BSPP	1,8 kg

UP1



12V
24V



PORTATA
FLOW RATE
max.

35 l/min
9.2 gpm

PRESSIONE
PRESSURE
max.

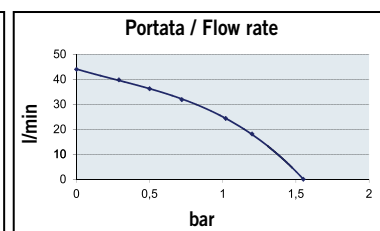
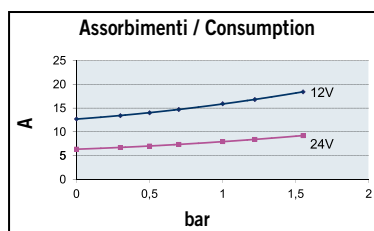
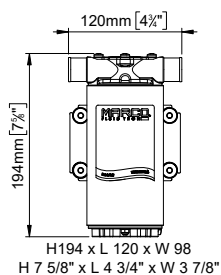
1,2 bar
17.4 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
162 002 12	12	1,5	10A	180W	20A	25 mm	1/2" BSPP	2,9 kg
162 002 13	24	1,5	5A	180W	15A	25 mm	1/2" BSPP	2,9 kg

UP1-M



12V
24V



PORTATA
FLOW RATE
max.

45 l/min
11.9 gpm

PRESSIONE
PRESSURE
max.

1,5 bar
21.8 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
162 006 12	12	1,5	14A	360W	20A	25 mm	1/2" BSPP	4,1 kg
162 006 13	24	1,5	7A	360W	15A	25 mm	1/2" BSPP	4,1 kg

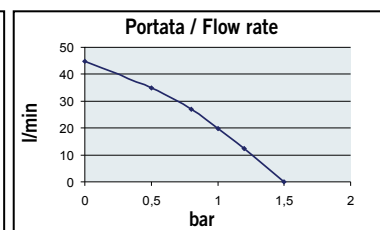
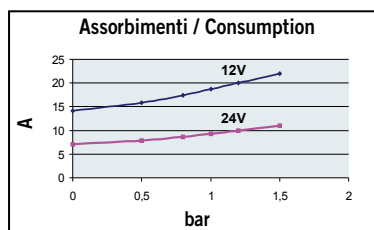
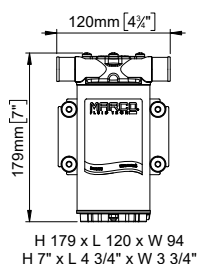
UP1-B

NEW

IDEAL FOR BALLAST APPLICATION



12V
24V



PORTATA
FLOW RATE
max.

45 l/min
11.9 gpm

PRESSIONE
PRESSURE
max.

1,5 bar
21.8 psi

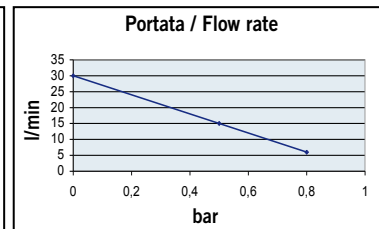
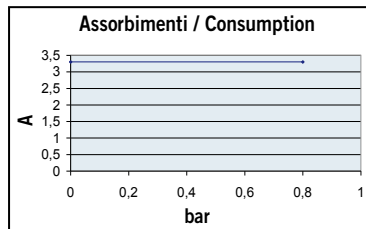
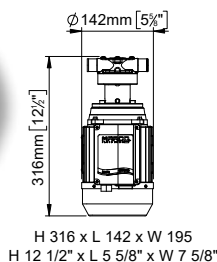
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
162 003 12	12	1,5	14A	180W	20A	25 mm	1/2" BSPP	2,9 kg
162 003 13	24	1,5	7A	180W	15A	25 mm	1/2" BSPP	2,9 kg

WATER TRANSFER PUMPS



Impeller Pumps 220V and 110V - AC

UP1/AC



220V
110V

PORTATA
FLOW RATE
max.

PRESSIONE
PRESSURE
max.

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHE
PORTS

PESO
WEIGHT

220V	30 l/min 7.9 gpm	1 bar 14.5 psi
110V	36 l/min 9.5 gpm	1 bar 14.5 psi

162 001 1C	220	1,5	3,3A	550W	4A	25 mm	1/2" BSPP	7,3 kg
162 001 1B	110	1,5	7A	550W	8A	25 mm	1/2" BSPP	7,3 kg

110V VERSION: M.O.Q. 20 PCS

IMP1



Part No. 163 000 00

IT Girante in speciale gomma nitrilica. Ricambio originale per UP1, UP1/N, UP1/M e UP1/AC. Dimensioni 22 x Ø 51,5 mm - foro Ø 8 mm.

EN Impeller of special nitril rubber. Original spare part for UP1, UP1/N, UP1/M and UP1/AC. Dimensions: 22 x Ø 51.5 mm - bore Ø 8 mm.

DE Impeller aus speziellen Nitril Gummi. Original Ersatzteil für UP1, UP1/N, UP1/M und UP1/AC. Abmessungen: 22 x Ø 51,5 mm - Achse 8 mm.

ES Impulsor flexible de recambio para UP1, UP1/N, UP1/M y UP1/AC. Medidas: 22 x Ø 51,5 mm - diámetro del eje 8 mm.

FR Rotor flexible de caoutchouc spéciale nityrique. Rechange original pour UP1, UP1/N, UP1/M et UP1/AC. Dimensions 22 x Ø 51.5mm - trou Ø 8mm.

PT Rotor flexível de recambio para UP1, UP1/N, UP1/M e UP1/AC. Medidas: 22 x Ø 51,5 mm - diâmetro do eixo 8 mm.

IMP2



Part No. 163 001 00

IT Girante in speciale gomma nitrilica. Ricambio originale per UP1/J. Dimensioni 22 x Ø 40,5 mm - foro Ø 8 mm.

EN Impeller of special nitril rubber. Original spare part for UP1/J. Dimensions: 22 x Ø 40.5 mm - bore Ø 8 mm.

DE Impeller aus speziellen Nitril Gummi. Original Ersatzteil für UP1/J. Abmessungen: 22 x Ø 40,5 mm - Achse 8 mm.

ES Impulsor flexible de recambio para UP1/J. Medidas: 22 x Ø 40,5 mm - diámetro del eje 8 mm.

FR Rotor flexible de caoutchouc spéciale nityrique. Rechange original pour UP1/J. Dimensions 22 x Ø 40.5 mm - trou Ø 8mm.

PT Rotor flexível de recambio para UP1/J. Medidas: 22 x Ø 40,5 mm - diâmetro do eixo 8 mm.

IMP2/V



Part No. 163 002 00

IT Girante in FKM per UP1/J. Dimensioni 22 x Ø 40,5 mm - foro Ø 8 mm.

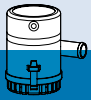
EN Impeller in FKM. Spare part for UP1/J. Dimensions: 22 x Ø 40.5 mm - bore Ø 8 mm.

DE Impeller aus FKM. Ersatzteil für UP1/J. Abmessungen: 22 x Ø 40,5 mm - Achse 8 mm.

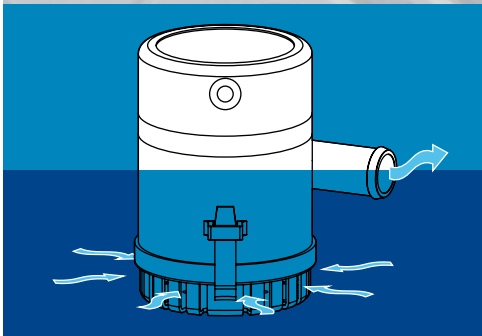
ES Impulsor en FKM. Recambio para UP1/J. Medidas: 22 x Ø 40,5 mm - diámetro del eje 8 mm.

FR Rotor de FKM. Rechange pour UP1/J. Dimensions 22 x Ø 40,5 mm - trou Ø 8mm.

PT Rotor em FKM. Recambio para UP1/J. Medidas: 22 x Ø 40,5 mm - diâmetro do eixo 8 mm.



Submersible Bilge Pumps



ISO 8849
ISO 8846

IT Elettropompe ad immersione per svuotamento ad alta portata e bassa prevalenza. Involucro in robusto ABS antiurto, resistente alla corrosione ed alla elettrolisi.

DE Elektrische Tauchpumpe für Entleerung mit hoher Förderleistung und niedriger Förderhöhe. Das Gehäuse ist aus robustem Antistoß-ABS, beständig gegen Korrosion und Elektrolyse.

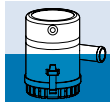
FR Pompes immergées pour opérations de vidange. Haut débit et basse pression. Corps de robuste ABS antichoc, résistant à la corrosion et à l'électrolyse.

EN Submersible pumps, especially fit for emptying operations. High flow and low head. Compact design with ABS housing, corrosion and electrolysis resistant.

ES Electrobombas sumergibles para operaciones de vaciamiento. Alta capacidad y baja prevalencia. Cuerpo en robusto ABS resistente a la corrosión y a la electrólisis.

PT Bombas submersíveis para operações de esvaziamento. Alta capacidade e baixa pressão. Carcaça em ABS reforçado, resistente à corrosão e eletrólise.

WATER TRANSFER PUMPS



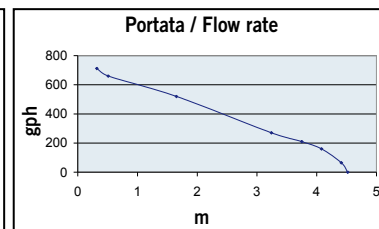
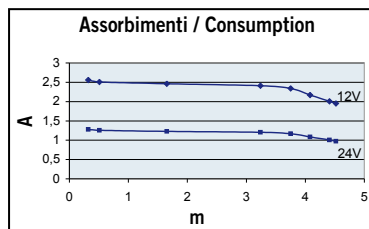
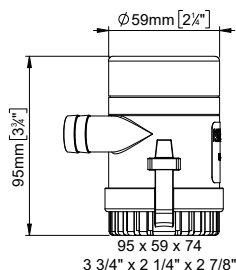
Submersible Bilge Pumps

UP500

ISO 8849
ISO 8846



12V
24V



PORTATA
FLOW RATE
max.

32 l/min
500 gph

PRESSIONE
PRESSURE
max.

0,4 bar
5.8 psi

CODICE
PART NUMBER

VOLT

PREVALENZA
LIFT

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

PESO
WEIGHT

160 100 12

12

4 m

2,5A

30W

5A

19 mm

0,5 kg

160 100 13

24

4 m

1,2A

30W

3A

19 mm

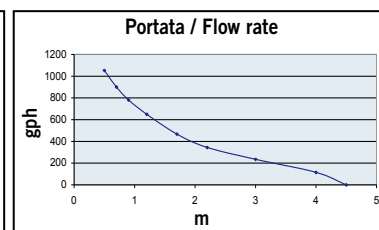
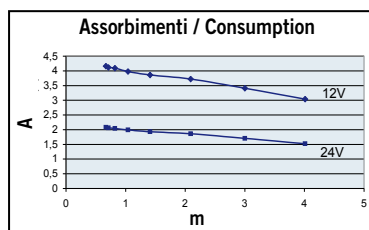
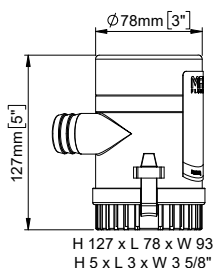
0,5 kg

UP1000

ISO 8849
ISO 8846



12V
24V



PORTATA
FLOW RATE
max.

63 l/min
1000 gph

PRESSIONE
PRESSURE
max.

0,4 bar
5.8 psi

CODICE
PART NUMBER

VOLT

PREVALENZA
LIFT

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

PESO
WEIGHT

160 120 12

12

4 m

4A

50W

10A

30 mm

1 kg

160 120 13

24

4 m

2A

50W

5A

30 mm

1 kg

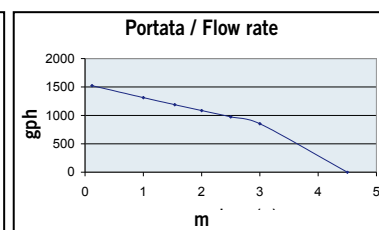
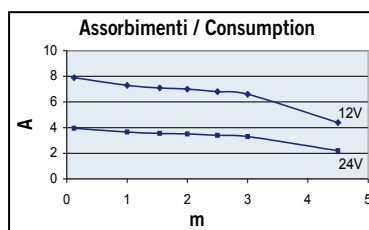
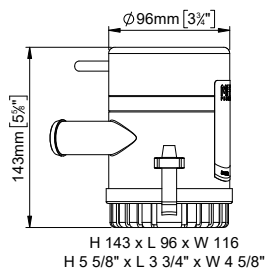
UP1500

ISO 8849
ISO 8846

HEAVY DUTY



12V
24V



PORTATA
FLOW RATE
max.

95 l/min
1500 gpm

PRESSIONE
PRESSURE
max.

0,4 bar
5.8 psi

CODICE
PART NUMBER

VOLT

PREVALENZA
LIFT

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

PESO
WEIGHT

160 140 12

12

4 m

10A

120W

20A

30 mm

1,5 kg

160 140 13

24

4 m

5A

120W

10A

30 mm

1,5 kg

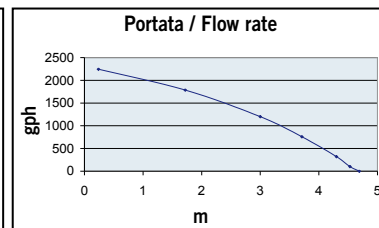
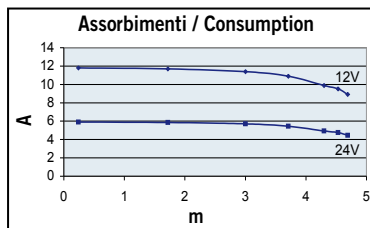
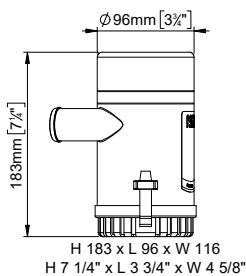
UP2000

ISO 8849
ISO 8846

HEAVY DUTY



12V
24V



PORTATA
FLOW RATE
max.
126 l/min
2000 gph

PRESSIONE
PRESSURE
max.
0,4 bar
5.8 psi

CODICE PART NUMBER	VOLT	PREVALENZA LIFT	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	PESO WEIGHT
160 160 12	12	4 m	12A	150W	25A	32 mm	2 kg
160 160 13	24	4 m	6A	150W	15A	32 mm	2 kg

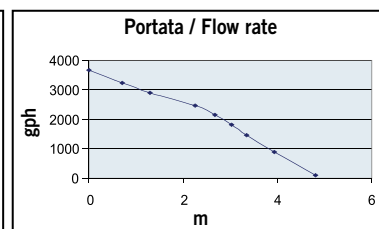
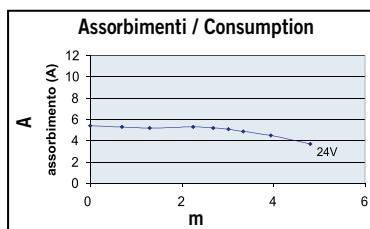
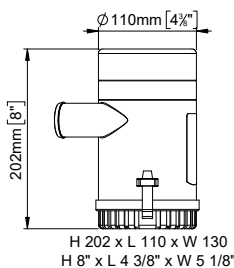
UP3700

ISO 8849
ISO 8846

HEAVY DUTY



24V

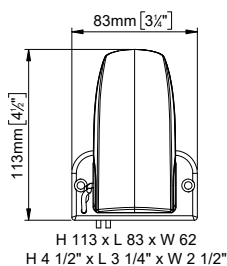


PORTATA
FLOW RATE
max.
233 l/min
3700 gph

PRESSIONE
PRESSURE
max.
0,5 bar
7.3 psi

CODICE PART NUMBER	VOLT	PREVALENZA LIFT	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	PESO WEIGHT
160 180 13	24	5 m	6A	200W	10A	38 mm	3,2 kg

AS2



IT Interruttore automatico per controllo pompe ad immersione.

DE Automatischer Schalter zur Überwachung der Tauchpumpen.

FR Contacteur automatique pour pompes immergées.

EN Automatic float switch for submersible pumps.

ES Interruptor automático para controlar bombas sumergibles.

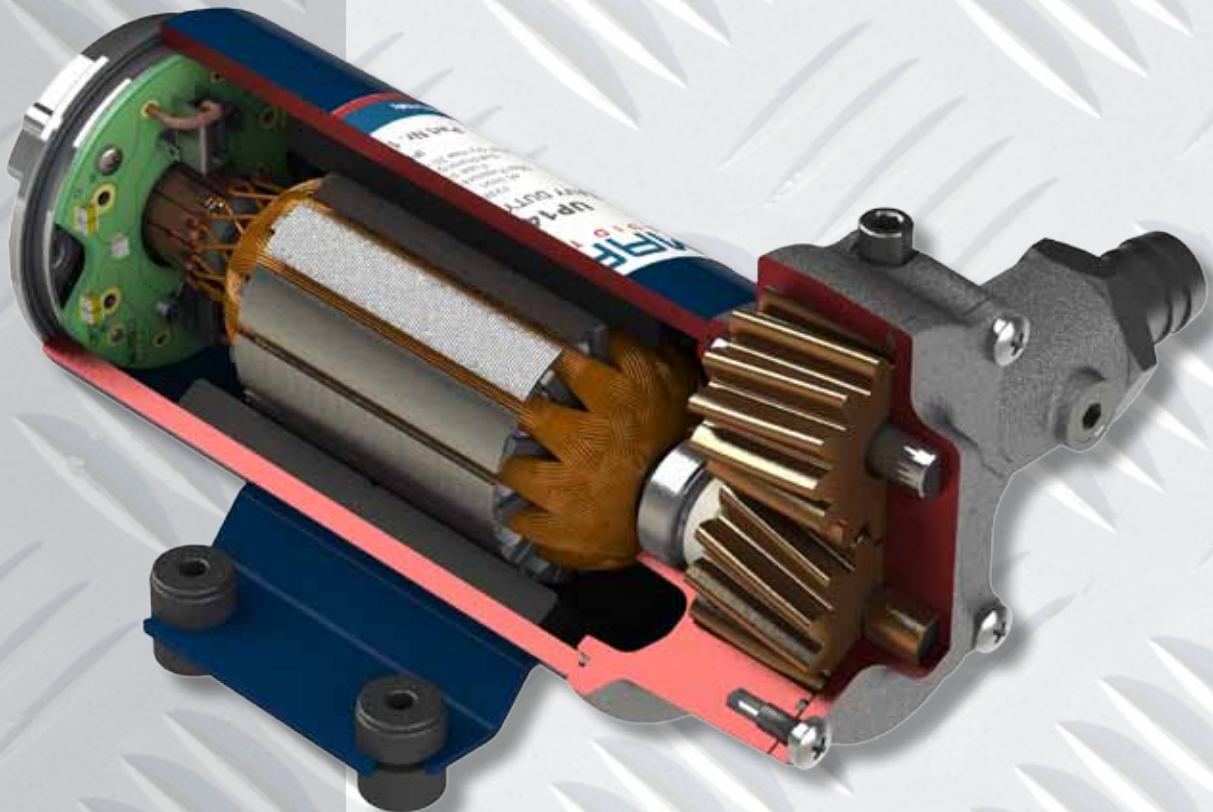
PT Interruptor automático para controlar bombas submergíveis.

CODICE PART NUMBER	AMP.	OFF/ON	CAVO WIRE	DIMENSIONI DIMENSIONS mm
161 002 20	max. 10	25/55 mm	850 mm	113 x 83 x 62

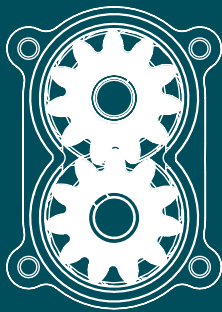


Bronze Gear Pumps

HIGH
SPEED



BRONZE GEARS



REVERSIBLE

IT Elettropompe autoadescanti di dimensioni compatte con ingranaggi in bronzo per travaso diesel. Gli ingranaggi elicoidali in bronzo garantiscono pressione costante, cicli di lavoro prolungati, maggiore silenziosità e possono operare anche in mancanza di liquido. Corpo in ottone nichelato, albero in acciaio inossidabile. Tenute in FKM e O-ring in NBR. Disponibili in versioni dotate di: carter con maniglia, interruttore o deviatore integrati e controllo elettronico.

DE Kompakte, selbstansaugende Elektropumpe mit Bronzeshnradern zum Umfüllen von Diesel. Die Bronze- Schrägshnradern garantieren einen konstanten Druck, verlängerte Arbeitszyklen, sind geräuschärmer und können auch ohne Flüssigkeit arbeiten. Gehäuse aus vernickeltem Messing, Spindel aus rostfreiem Stahl. Dichtungen aus FKM und O-Ring aus NBR. Erhältlich in den Modellen mit Tragetasche, integriertem Schalter oder Wechselschalter und elektronischer Kontrolle.

FR Pompes électriques auto-amorçantes de dimensions réduites avec engrenages en bronze pour transvasement de diesel. Les engrenages hélicoïdaux en bronze assurent une pression constante, des cycles de travail longs, moins de bruit et peuvent également fonctionner en l'absence de liquide. Corps de laiton nickelé, arbre en acier inoxydable, joint en FKM et O-Ring en NBR. Disponibles en versions avec boîtier muni de poignée, avec interrupteur ou déviateur intégrés et avec contrôle électronique.

EN Self-priming electric pumps of compact footprint with bronze gears for diesel transfer. Helical bronze gears guarantee constant pressure, heavy duty cycles, less noise and can operate in the absence of liquid. Body in nickel-plated brass and shaft in stainless steel. FKM seals and NBR O-rings. Available in versions with portable case, integrated on-off switch or flow reverser switch and electronic control.

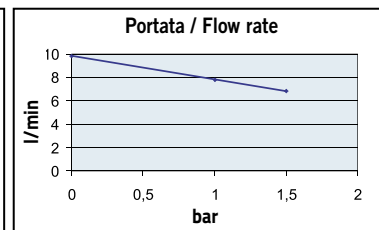
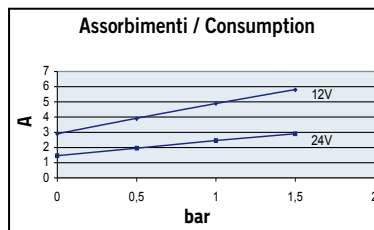
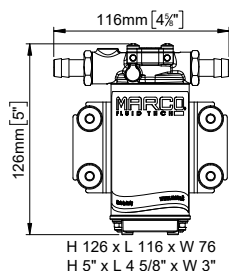
ES Electrobombas auto cebadas de pequeñas dimensiones con engranajes en bronce para transvase de diésel. Los engranajes helicoidales de bronce garantizan presión constante, largos ciclos de trabajo, menos ruido y pueden operar en ausencia de líquido. Cuerpo en latón niquelado, eje en acero inoxidable. Sellos de FKM y O-ring de NBR. Disponibles en versiones con Kit portable, interruptor o desviador de flujo integrados y control electrónico.

PT Eletrobombas autoaspirantes de pequenas dimensões com engrenagens em bronze para trasfega de diesel. As engrenagens helicoidais de bronze garantem uma pressão constante, longos ciclos de trabalho, menos ruído e também podem funcionar sem líquido. Corpo em latão niquelado, eixo em aço inox. Selos de FKM e O-ring de NBR. Disponíveis em versões com kit portátil, interruptor on-off ou desviador de fluxo integrados e controle eletrônico.

UP2



12V
24V



PORTATA
FLOW RATE
max.
10 l/min
2.6 gpm

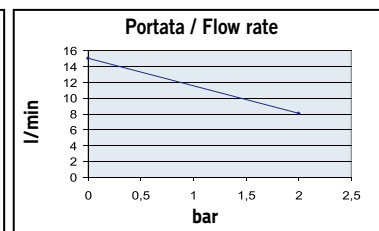
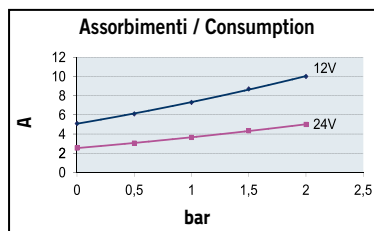
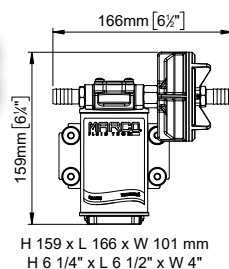
PRESSIONE
PRESSURE
max.
1,5 bar
21.8 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 200 12	12	1,5	3A	90W	5A	12 mm	3/8" BSPP	1,2 kg
164 200 13	24	1,5	1,5A	90W	3A	12 mm	3/8" BSPP	1,2 kg

UP3



12V
24V



PORTATA
FLOW RATE
max.
15 l/min
4 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 000 12	12	1,5	6A	120W	10A	13 mm	3/8" BSPP	1,4 kg
164 000 13	24	1,5	3A	120W	5A	13 mm	3/8" BSPP	1,4 kg

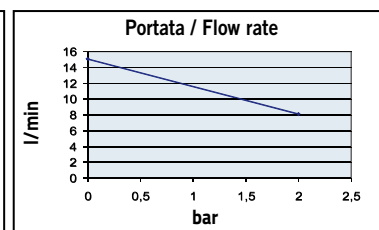
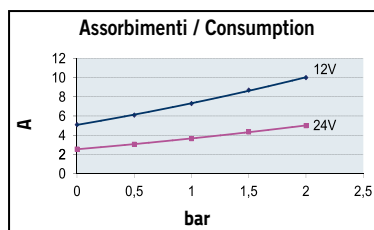
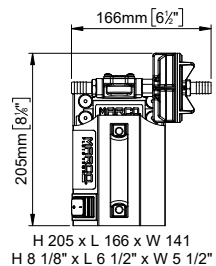
UP3-CK

On/Off switch



12V
24V

PORTABLE KIT WITH
ON-OFF SWITCH



PORTATA
FLOW RATE
max.
15 l/min
4 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 006 12	12	1,5	6A	120W	10A	13 mm	3/8" BSPP	2,8 kg
164 006 13	24	1,5	3A	120W	5A	13 mm	3/8" BSPP	2,8 kg

DIESEL TRANSFER PUMPS



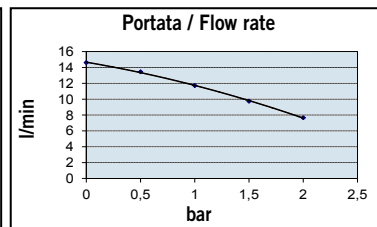
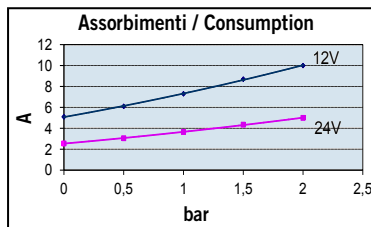
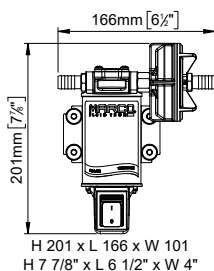
Bronze Gear Pumps

UP3-S

On/Off switch



12V
24V



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
15 l/min 4 gpm	2 bar 29 psi

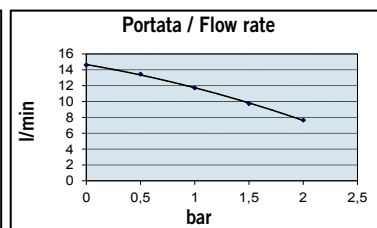
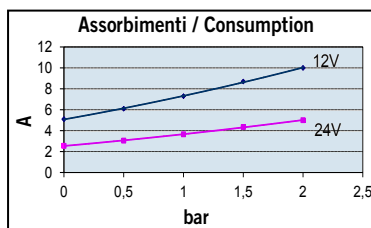
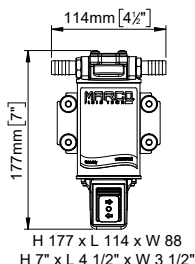
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 007 12	12	1,5	6A	120W	10A	13 mm	3/8" BSPP	1,8 kg
164 007 13	24	1,5	3A	120W	5A	13 mm	3/8" BSPP	1,8 kg

UP3-R

On/Off 3 positions
reversing switch



12V
24V



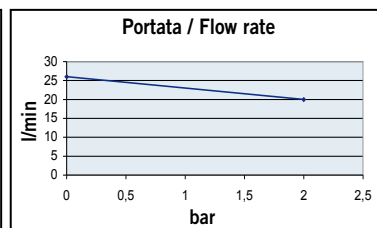
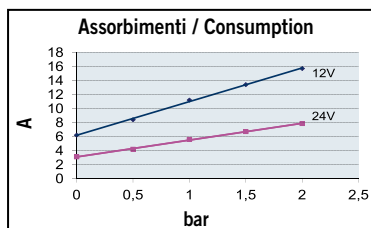
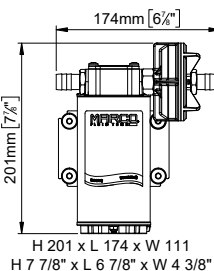
PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
15 l/min 4 gpm	2 bar 29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 008 12	12	1,5	6A	120W	10A	13 mm	3/8" BSPP	1,8 kg
164 008 13	24	1,5	3A	120W	5A	13 mm	3/8" BSPP	1,8 kg

UP6



12V
24V



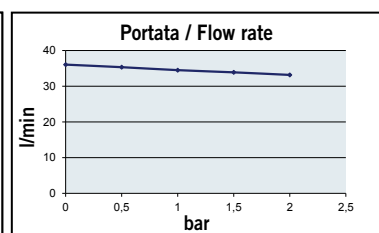
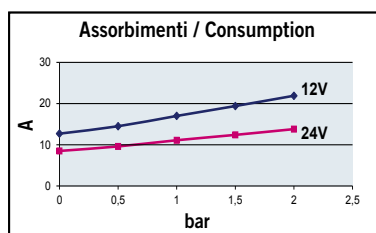
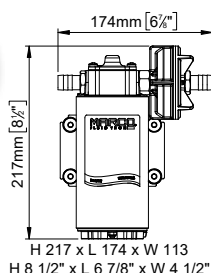
PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
26 l/min 6.9 gpm	2 bar 29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 060 12	12	2	10A	180W	15A	16 mm	1/2" BSPP	3,2 kg
164 060 13	24	2	5A	180W	7,5A	16 mm	1/2" BSPP	3,2 kg

UP12



12V
24V



PORTATA
FLOW RATE
max.
36 l/min
9.5 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 300 12	12	4	14A	360W	20A	16 mm	1/2" BSPP	4,5 kg
164 300 13	24	4	8A	360W	15A	16 mm	1/2" BSPP	4,5 kg

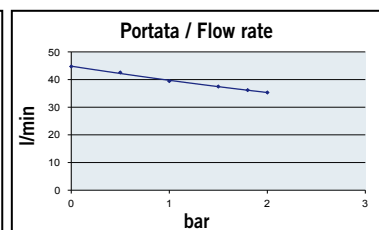
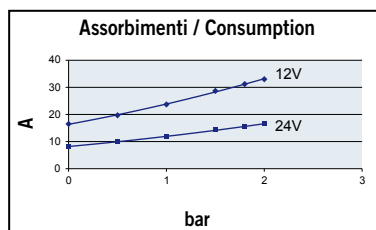
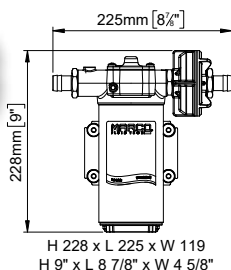
UP14

NEW

HIGH FLOW RATE



12V
24V



PORTATA
FLOW RATE
max.
46 l/min
12.2 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

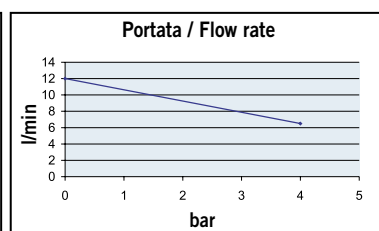
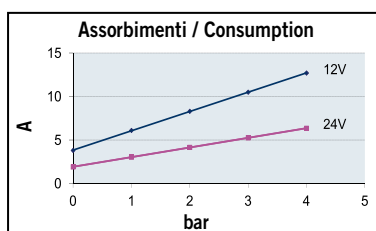
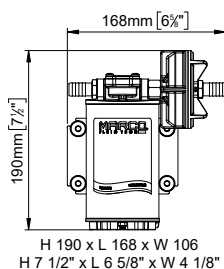
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 500 12	12	4	16A	400W	30A	20 mm	3/4" BSPP	5,3 kg
164 500 13	24	4	8A	400W	20A	20 mm	3/4" BSPP	5,3 kg

UP9

HIGH PRESSURE



12V
24V



PORTATA
FLOW RATE
max.
12 l/min
3.2 gpm

PRESSIONE
PRESSURE
max.
4 bar
58 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 100 12	12	1,5	5A	180W	15A	13 mm	3/8" BSPP	2,7 kg
164 100 13	24	1,5	3A	180W	7,5A	13 mm	3/8" BSPP	2,7 kg

DIESEL TRANSFER PUMPS



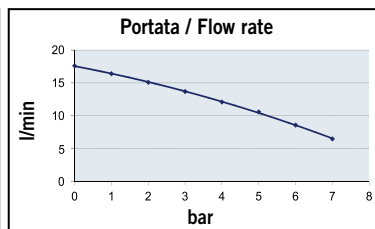
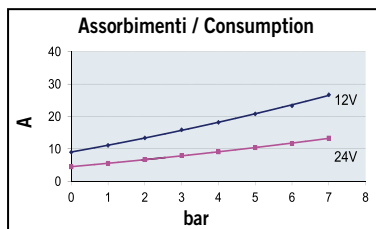
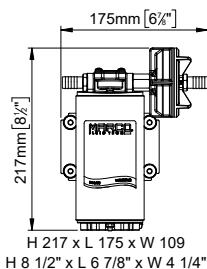
Bronze Gear Pumps

UP10

HIGH PRESSURE



12V
24V



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.	CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
18 l/min 4.8 gpm	7 bar 101.5 psi	164 400 12	12	3	11A	360W	25A	13 mm	3/8" BSPP	3,8 kg
		164 400 13	24	3	5A	360W	20A	13 mm	3/8" BSPP	3,8 kg

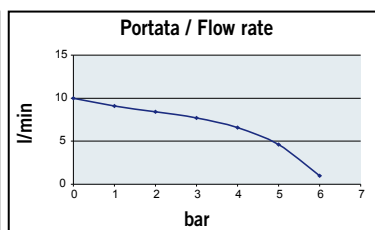
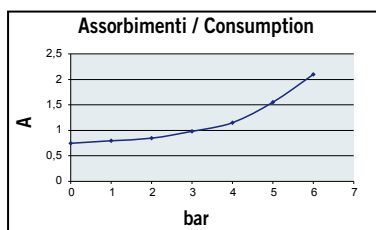
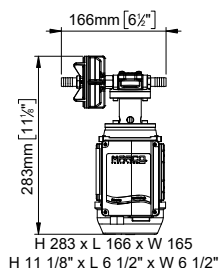


220V and 110V - AC

UP3/AC



220V
110V



	PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.	CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
220V	10 l/min 2.6 gpm	6 bar 87 psi	164 001 1C	220	1,5	0,8A	150W	2A	13 mm	3/8" BSPP	4,6 kg
110V	12 l/min 3.2 gpm	6 bar 87 psi	164 001 1B	110	1,5	1,9A	150W	4A	13 mm	3/8" BSPP	4,6 kg

110V VERSION: M.O.Q. 20 PCS



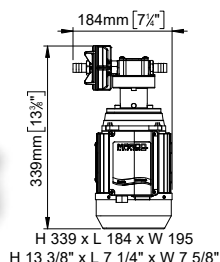
PTFE Gear Pumps

UP6/AC

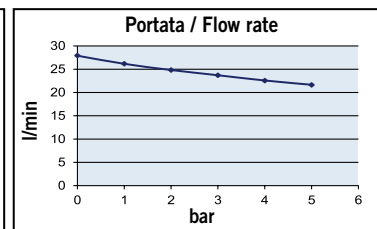
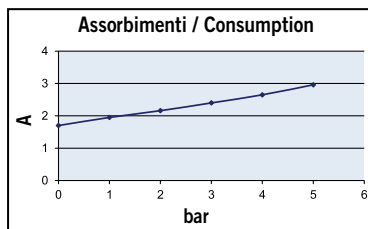
PTFE GEARS



220V
110V



H 339 x L 184 x W 195
H 13 3/8" x L 7 1/4" x W 7 5/8"



	PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.	CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
220V	28 l/min 7.4 gpm	5 bar 72.5 psi	164 061 1C	220	1,5	1,7A	550W	3A	16 mm	1/2" BSPP	7,6 kg
110V	34 l/min 9 gpm	5 bar 72.5 psi	164 061 1B	110	1,5	3,8A	550W	5A	16 mm	1/2" BSPP	7,6 kg

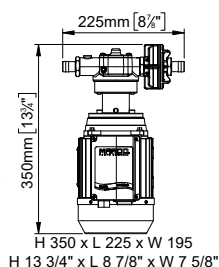
110V VERSION: M.O.Q. 20 PCS

UP14/AC

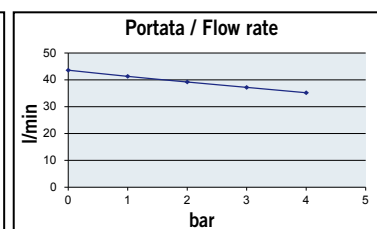
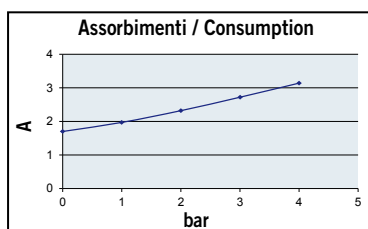
PTFE GEARS



220V
110V



H 350 x L 225 x W 195
H 13 3/4" x L 8 7/8" x W 7 5/8"



	PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.	CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
220V	44 l/min 11.6 gpm	4 bar 58 psi	164 540 1C	220	3	1,7A	550W	3A	20 mm	3/4" BSPP	8,1 kg
110V	52,5 l/min 13.9 gpm	4 bar 58 psi	164 540 1B	110	3	3,8A	550W	5A	20 mm	3/4" BSPP	8,1 kg

110V VERSION: M.O.Q. 20 PCS

DIESEL PUMPS

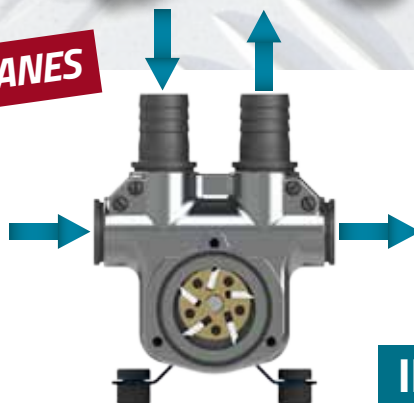
DIESEL TRANSFER PUMPS



Vane Pumps

**CONTINUOUS
DUTY CYCLES**

SLIDING VANES



INTEGRATED BY-PASS

IT Elettropompe autoadescanti a palette, complete di valvola by-pass integrata. Le palette garantiscono alta portata e cicli di lavoro prolungati. Corpo in alluminio con doppia possibilità di connessione per portagomma. Rotore e palette in resina. Albero in acciaio inossidabile. Tenute in FKM e O-ring in NBR. Calotta motore con filtro EMI. Disponibile anche dotata di carter con maniglia per facile trasporto, interruttore on-off e pinze per batteria.

DE Selbstansaugende, Elektro- Schaufelpumpen mit integriertem Bypass-Ventil. Die Schaufeln garantieren für eine erhöhte Leistung und für verlängerte Arbeitszyklen. Aluminiumkörper mit zweifacher Verbindungsmöglichkeit für Schlauchhalter. Rotor und Schaufeln sind aus Harz, Spindel aus rostfreiem Stahl, Dichtungen aus FKM und O-Ring aus NBR. Motordeckel mit EMI-Filter. Auch mit Halterung und Griff für einfachen Transport erhältlich, mit Ein- und Aus- Schalter und Batterieklemmen.

FR Pompes électriques auto-amorçantes à palettes complètes de vanne by-pass intégrée. Les palettes assurent un grand débit et des cycles de travail longs. Corps en aluminium avec double option de connexion pour raccords. Rotor et palettes en résine. Arbre en acier inoxydable, joint en FKM et O-Ring en NBR. Calotte moteur équipée avec filtre EMI. Disponibles aussi avec boîtier muni de poignée pour un transport facile, interrupteur On/Off et pinces pour batterie.

EN Self-priming electric vane pumps with integrated by-pass valve. Vanes guarantee high flow rate and heavy-duty cycles. Aluminum body, two connection options. Rotor and vanes made of resin. Stainless steel shaft. FKM seals and NBR O-rings. Brush holder with EMI filter. Available also with case and handle for easy transport, On/Off switch and battery clips.

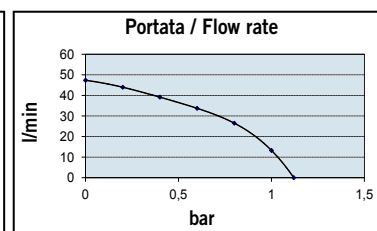
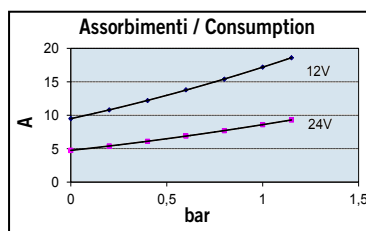
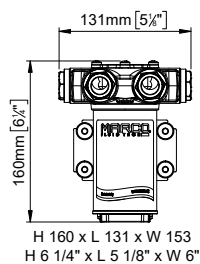
ES Electrobombas auto cebadas de paletas con válvula bypass integrada. Las paletas garantizan un caudal grande y largos ciclos de trabajo. Cuerpo en aluminio con doble posibilidad de conexión. Rotor y paletas de resina. Eje en acero inoxidable, sellos de FKM y O-ring de NBR. Tapa del motor con filtro EMI. Disponibles también con cárter y manija para fácil transporte, interruptor On/Off y pinzas para batería.

PT Eletrobombas autoapirantes de palhetas, completas de válvula by-pass integrada. As palhetas garantem um fluxo muito grande e longos ciclos de trabalho. Corpo em alumínio com dupla possibilidade de ligação. Rotor e palhetas em resina. Eixo em aço inox. Selos de FKM e O-ring de NBR. Calota motor com filtro EMI. Disponíveis também com cârter e empunhadura para fácil transporte, interruptor On/Off e pinças de alimentação.

VP45-N



12V
24V



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
45 l/min 11.9 gpm	1,2 bar 17.4 psi

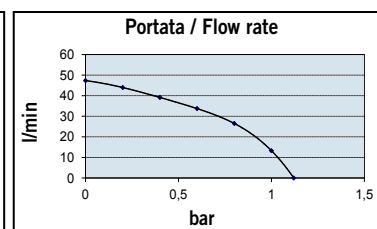
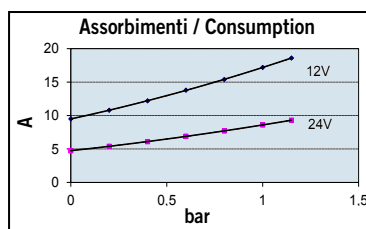
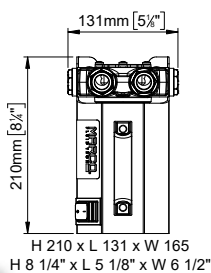
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
166 026 12	12	1,5	8A	150W	20A	25 mm	3/4" BSPP	2 kg
166 026 13	24	1,5	4A	150W	10A	25 mm	3/4" BSPP	2 kg

VP45

On/Off switch



12V
24V



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
45 l/min 11.9 gpm	1,2 bar 17.4 psi

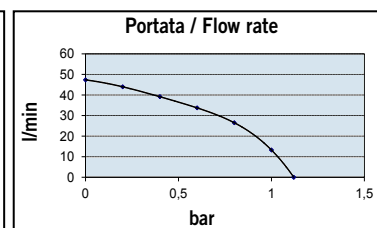
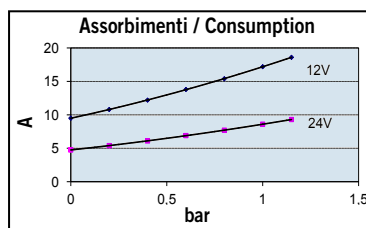
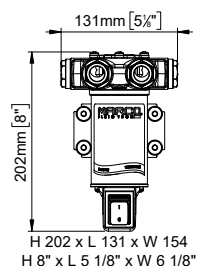
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
166 020 12	12	1,5	8A	150W	20A	25 mm	3/4" BSPP	3,3 kg
166 020 13	24	1,5	4A	150W	10A	25 mm	3/4" BSPP	3,3 kg

VP45-S

On/Off switch



12V
24V



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.
45 l/min 11.9 gpm	1,2 bar 17.4 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
166 028 12	12	1,5	8A	150W	20A	25 mm	3/4" BSPP	2,2 kg
166 028 13	24	1,5	4A	150W	10A	25 mm	3/4" BSPP	2,2 kg

DIESEL TRANSFER PUMPS



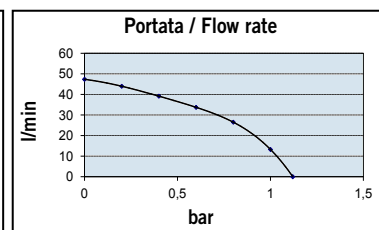
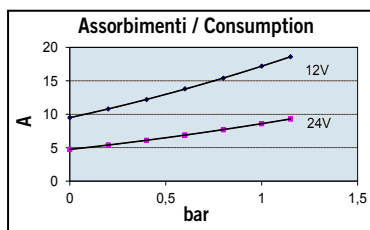
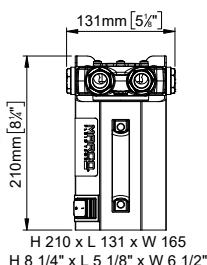
Vane Pumps

VP45-K

On/Off switch



COMPLETE KIT
FOR REFUELING



PORTATA
FLOW RATE
max.

45 l/min
11.9 gpm

PRESSIONE
PRESSURE
max.

1,2 bar
17.4 psi

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHE
PORTS

PESO
WEIGHT

166 024 12

12

1,5

8A

150W

20A

25 mm

3/4" BSPP

6,3 kg

166 024 13

24

1,5

4A

150W

10A

25 mm

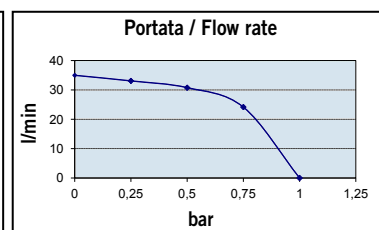
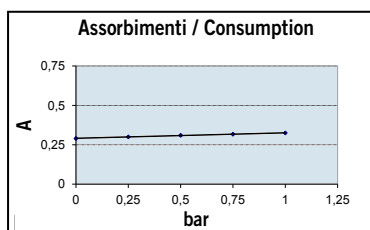
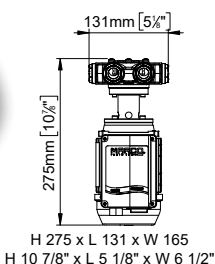
3/4" BSPP

6,3 kg



220V - AC

VP45/AC



220V

PORTATA
FLOW RATE
max.

35 l/min
9.2 gpm

PRESSIONE
PRESSURE
max.

1 bar
14.5 psi

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHE
PORTS

PESO
WEIGHT

166 030 1C

220

1,5

0,8A

150W

1,25A

25 mm

3/4" BSPP

4,7 kg

Adjustable Speed Electronic Pressure Pumps



HIGH SPEED
setting for DIESEL



LOW SPEED
setting for OIL



with SCS
Speed
Control
System

Discover the complete range!

**DISCOVER NOW
ON OUR PUMP
CATALOGUE**



MARCO
FLUID TECH

DIESEL PUMPS

10 l/min



UP2/E-BR

15 l/min



UP3/E-BR

26 l/min



UP6/E-BR

12 l/min



UP9/E-BR

18 l/min



UP10/E-BR

26 l/min



UP12/E-LOBR

36 l/min



UP12/E-BR

46 l/min



UP14/E-BR

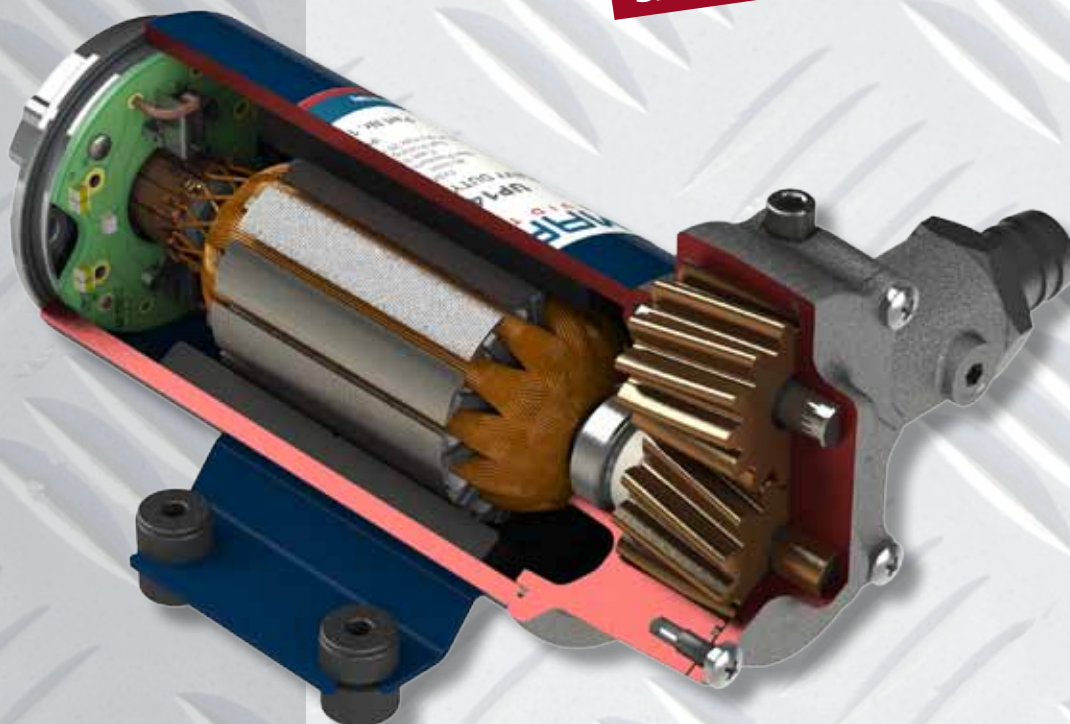
44 l/min



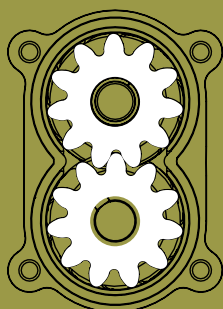
UP12/E-DX-LOBR



Bronze Gear Pumps

LOW
SPEED

BRONZE GEARS



REVERSIBLE

IT Elettropompe ad ingranaggi in bronzo per travaso di oli lubrificanti o di liquidi viscosi. Gli ingranaggi elicoidali in bronzo garantiscono pressione costante, cicli di lavoro prolungati, maggiore silenziosità e possono operare anche in mancanza di liquido. Corpo in ottone nichelato, albero in acciaio inossidabile. Tenute in FKM e O-ring in NBR. Disponibili in versioni con interruttore o deviatore integrati, kit con interruttore cavi e pinze per batteria e kit con controllo elettronico.

DE Selbstansaugende, kleine Elektropumpen mit Bronzeshnradern, zum Umfüllen von Ölen oder dickflüssigen Flüssigkeiten. Die Bronze- Schräg Zahnräder garantieren konstanten Druck, verlängerte Arbeitszyklen, sind geräuschloser und können auch ohne Flüssigkeit arbeiten. Gehäuse aus vernickeltem Messing, Spindel aus rostfreiem Stahl. Dichtungen aus FKM, O-Ringe aus NBR. Erhältlich entweder mit integriertem Ein- und Aus-Schalter oder 3-Positionen- Schalter, oder Kit mit Schalter, Kabel und Batterieanschlüssen, oder Kit mit elektronischer Kontrolle.

FR Pompes électriques auto-amorçantes avec engrenages en bronze pour transvasement d'huiles lubrifiantes et de liquides visqueux. Les engrenages hélicoïdaux en bronze assurent une pression constante, des cycles de travail longs, moins de bruit et peuvent également fonctionner en l'absence de liquide. Corps en laiton nickelé et arbre en acier inoxydable. Joint en FKM et O-Ring en NBR. Disponibles en versions avec interrupteur ou déviateur intégrés, kit avec interrupteur et pinces pour batterie, et kit avec contrôle électronique.

EN Self-priming electric pumps with bronze gears to transfer lubricating oils and viscous liquids. Helical bronze gears guarantee constant pressure, heavy duty cycles, less noise and can operate in the absence of liquid. Nickel-plated brass body and stainless steel shaft. FKM seals and NBR O-rings. Available in versions with integrated on-off switch or flow reverser switch, kit with on-off switch and battery clips, and kit with electronic control.

ES Electrobombas auto cebadas con engranajes en bronce para transvase aceites lubricantes o líquidos viscosos. Los engranajes helicoidales de bronce garantizan presión constante, largos ciclos de trabajo, menos ruido y pueden operar en ausencia de líquido. Cuerpo en latón niquelado, eje en acero inoxidable. Sellos en FKM y O-ring and NBR. Disponibles en versiones con interruptor o desviador de flujo integrados, Kit con interruptor y pinzas para batería y Kit con control electrónico.

PT Eletrobombas autoaspirantes com engrenagens em bronze para trasfega de óleos lubrificantes e líquidos viscosos. As engrenagens helicoidais de bronze garantem uma pressão constante, longos ciclos de trabalho, menos ruído e também podem funcionar, sem líquido. Corpo em latão niquelado, eixo em aço inox. Selos de FKM e O-ring de NBR. Disponíveis em versões com interruptor on-off ou desviador de fluxo integrados, kit com interruptor e pinças de bateria, e kit com controle eletrônico.

Spare parts and accessories

OK1

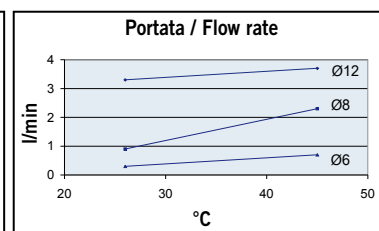
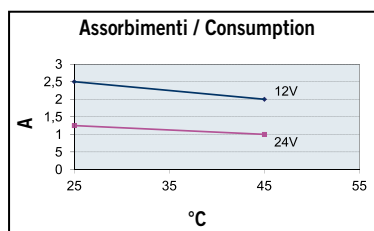
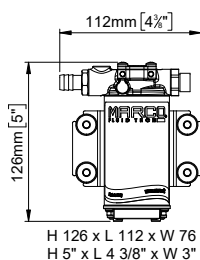
Page 65



UP2/OIL



12V
24V



PORTATA*
FLOW RATE*
max.

**200 l/h
52.8 gph**

PRESSIONE
PRESSURE
max.

**1,5 bar
21.8 psi**

* OIL SAE 30 AT 25°C

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHIE
PORTS

PESO
WEIGHT

164 220 12

12

1

2,5A

90W

3A

12 mm

3/8" BSPP

1,2 kg

164 220 13

24

1

1,3A

90W

1,5A

12 mm

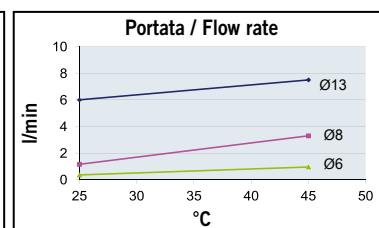
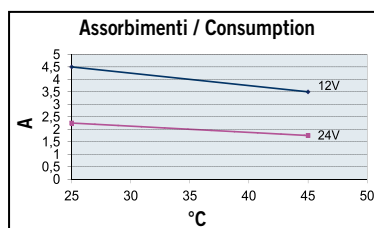
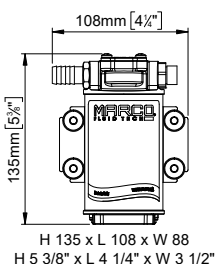
3/8" BSPP

1,2 kg

UP3/OIL



12V
24V



PORTATA*
FLOW RATE*
max.

**330 l/h
87.2 gph**

PRESSIONE
PRESSURE
max.

**2 bar
29 psi**

* OIL SAE 30 AT 25°C

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHIE
PORTS

PESO
WEIGHT

164 020 12

12

1

5A

90W

7,5A

13 mm

3/8" BSPP

1,4 kg

164 020 13

24

1

3A

90W

4A

13 mm

3/8" BSPP

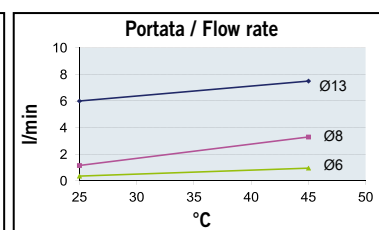
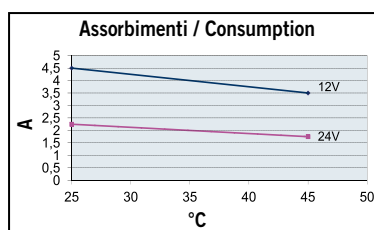
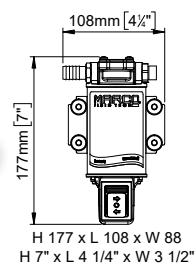
1,4 kg

UP3/OIL-R

On/Off 3 positions
reversing switch



12V
24V



PORTATA*
FLOW RATE*
max.

**330 l/h
87.2 gph**

PRESSIONE
PRESSURE
max.

**2 bar
29 psi**

* OIL SAE 30 AT 25°C

CODICE
PART NUMBER

VOLT

ADESCAM.
SELF-PRIM.
m

CONS.

MOTORE
MOTOR

FUSIBILE
FUSE

TUBO
HOSE

BOCCHIE
PORTS

PESO
WEIGHT

164 022 12

12

1

5A

90W

7,5A

13 mm

3/8" BSPP

1,8 kg

164 022 13

24

1

3A

90W

4A

13 mm

3/8" BSPP

1,8 kg

OIL TRANSFER PUMPS



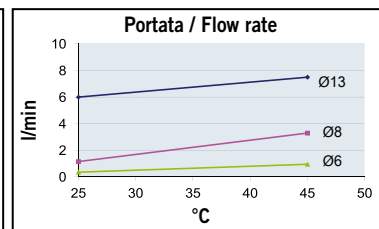
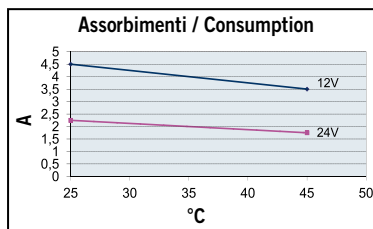
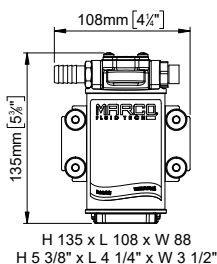
Bronze Gear Pumps

OCK1

COMPLETE KIT WITH
BATTERY CLIPS



12V
24V



PORTATA*
FLOW RATE*
max.

PRESSIONE
PRESSURE
max.

330 l/h
87.2 gph

2 bar
29 psi

* OIL SAE 30 AT 25°C

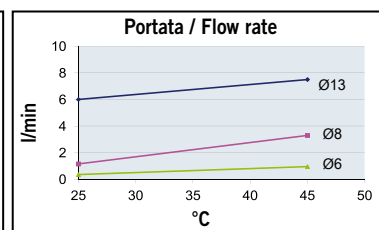
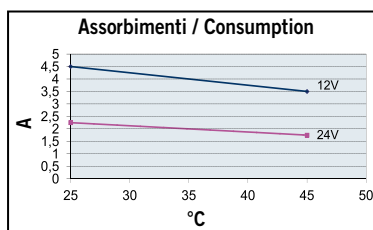
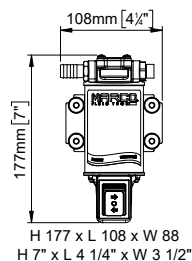
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 930 12	12	1	6A	90W	10A	13 mm	3/8" BSPP	1,7 kg
164 930 13	24	1	3A	90W	5A	13 mm	3/8" BSPP	1,7 kg

OCK1-R

On/Off 3 positions
reversing switch



12V
24V



PORTATA*
FLOW RATE*
max.

PRESSIONE
PRESSURE
max.

330 l/h
87.2 gph

2 bar
29 psi

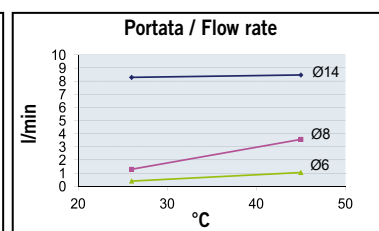
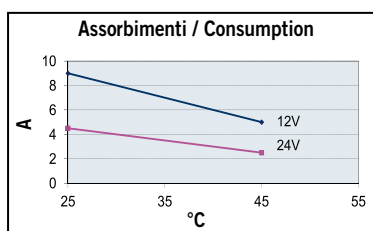
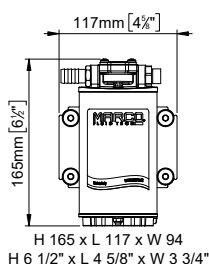
* OIL SAE 30 AT 25°C

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 932 12	12	1	5A	90W	10A	13 mm	3/8" BSPP	1,4 kg
164 932 13	24	1	3A	90W	5A	13 mm	3/8" BSPP	1,4 kg

UP6/OIL



12V
24V



PORTATA*
FLOW RATE*
max.

PRESSIONE
PRESSURE
max.

480 l/h
126.8 gph

4 bar
58 psi

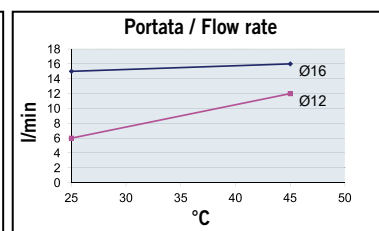
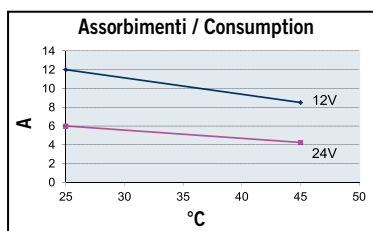
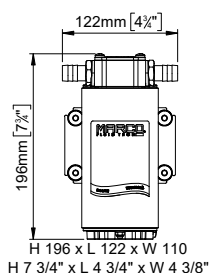
* OIL SAE 30 AT 25°C

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 080 12	12	1,5	7A	120W	10A	13 mm	3/8" BSPP	2,5 kg
164 080 13	24	1,5	4A	120W	7,5A	13 mm	3/8" BSPP	2,5 kg

UP12/OIL



12V
24V



PORTATA*
FLOW RATE*
max.

900 l/h
238 gph

PRESSIONE
PRESSURE
max.

3 bar
43.5 psi

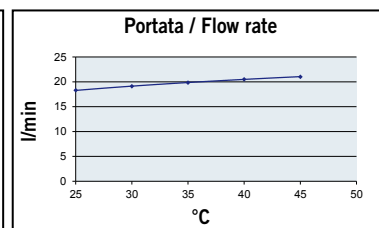
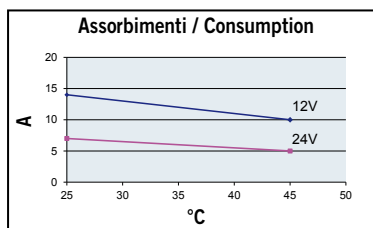
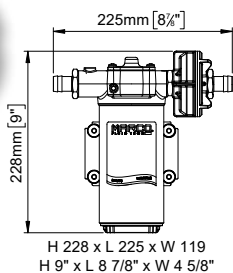
* OIL SAE 30 AT 25°C

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 320 12	12	2	11A	180W	15A	16 mm	1/2" BSPP	4,5 kg
164 320 13	24	2	6A	180W	7,5A	16 mm	1/2" BSPP	4,5 kg

UP14/OIL



12V
24V



PORTATA*
FLOW RATE*
max.

1100 l/h
290 gph

PRESSIONE
PRESSURE
max.

2 bar
29 psi

* OIL SAE 30 AT 25°C

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHIE PORTS	PESO WEIGHT
164 520 12	12	2	14A	260W	20A	20 mm	3/4" BSPP	5,3 kg
164 520 13	24	2	7A	260W	15A	20 mm	3/4" BSPP	5,3 kg

OK1



Part No. 165 020 00

- IT** Kit tubi Ø 8 mm e 6 mm esterno per pompe travaso olio.
- DE** Schlauchkit Ø 8 mm und 6 mm für Ölpumpen.
- FR** Kit de tuyaux Ø 8 mm et 6 mm ext. pour transvasement d'huiles.

- EN** Tube kit of 8 mm and 6 mm ext. Ø for oil pumps.
- ES** Kit tubos Ø 8 mm y 6 mm ext. para bombas de transvase aceites.
- PT** Kit de tubos Ø 8 mm y 6 mm ext. para bombas de trasfega óleos.

OIL TRANSFER PUMPS



12/24V Electronic Oil Change Kits

BRONZE GEARS

IT Pompe e sistemi reversibili con controllo elettronico per operazioni di travaso e cambio olio. Il controllo elettronico regola la velocità del motore della pompa in base alla viscosità/temperatura dell'olio e aumenta il numero di giri nella fase di adescamento per maggiore rapidità dell'operazione. Il sistema va in blocco automatico in caso di fine liquido, cortocircuito e dopo 30 minuti di operatività.

DE Pumpen und reversible Systeme mit elektronischer Kontrolle zum Umfüllen und Wechsel von Öl. Automatische Geschwindigkeitsregulierung des Motors je nach Dickflüssigkeit/Temperatur des Öles. Um die Ansaughphase zu verkürzen, wird die Drehzahl erhöht. Das System wird automatisch blockiert bei Fehlen der Flüssigkeit, bei Kurzschluss und nach 30 Minuten Arbeitszeit.

FR Pompes et systèmes réversibles avec contrôle électronique pour vidanger et changer l'huile. Le contrôle électronique règle la vitesse du moteur selon la viscosité/température de l'huile et de plus augmente le numéro de tours-moteur dans la phase d'amorçage pour une rapidité opérative. Le système est bloqué automatiquement en cas de réservoir vide, court-circuit et après 30 min. de fonctionnement.

EN Reversible electronic pumps and systems for oil fill and drain operations. The electronic control adjusts the speed of the motor according to oil viscosity/temperature and increases its speed during priming for faster operations. The system automatically shuts off in case of empty tank, short circuit and after 30 minutes of operation.

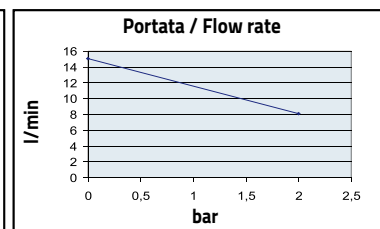
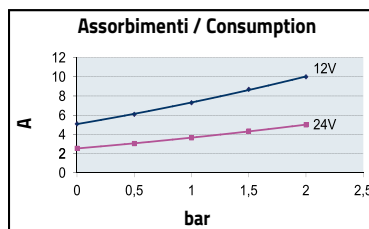
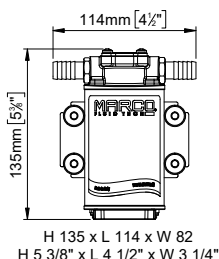
ES Bombas y sistemas reversibles con control electrónico para el vaciado/llenado de aceite. El control electrónico adapta la velocidad del motor a la viscosidad/temperatura del aceite. También aumenta la velocidad de la bomba en fase de cebadura para mejorar la velocidad de las operaciones. El sistema se para automáticamente en caso de tanque vacío, cortocircuito y después de 30 minutos de trabajo.

PT Bombas e sistemas reversíveis com controle eletrônico para o rápido esvaziamento e enchimento do óleo. O controle eletrônico regula a velocidade do motor conforme a viscosidade/temperatura do óleo, além disso aumenta o número das voltas na fase de aspiração para uma maior velocidade operativa. O sistema entra em bloqueio automático no caso do líquido acabar ou de curto-circuito, e depois de 30 min. de trabalho.

UP3-RK

REVERSIBLE

AVAILABLE WITH
1 OR 2 VALVES



12/24V

PORTATA
FLOW RATE
max.

15 l/min
4 gpm

PRESSIONE
PRESSURE
max.

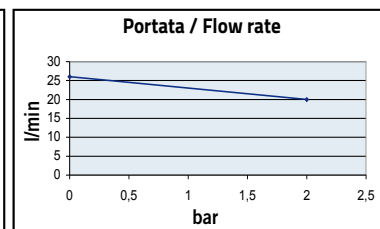
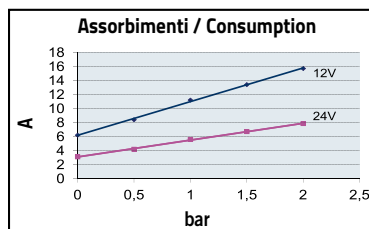
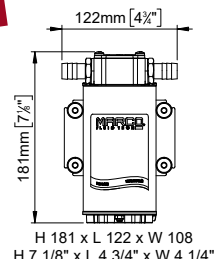
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHE PORTS	PESO WEIGHT
164 005 15	12/24	1,5	6A / 3A	120W	10A	13 mm	3/8" BSPP	2,1 kg

UP6-RK

REVERSIBLE

AVAILABLE WITH
1 OR 2 VALVES



12/24V

PORTATA
FLOW RATE
max.

26 l/min
6.9 gpm

PRESSIONE
PRESSURE
max.

2 bar
29 psi

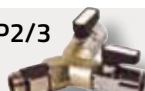
CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHE PORTS	PESO WEIGHT
164 064 15	12/24	2	10A / 5A	180W	10A	16 mm	1/2" BSPP	3,6 kg

Spare parts and accessories
Page 68

OCP1/3



OCP2/3



OCP1/6



OCP2/6



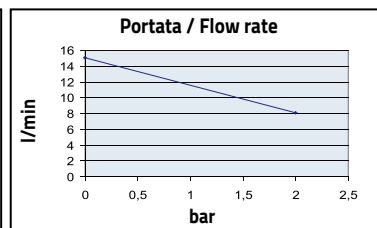
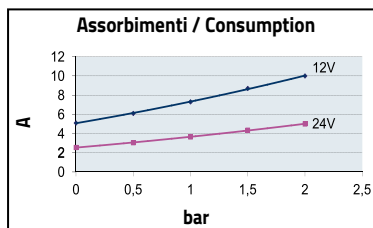
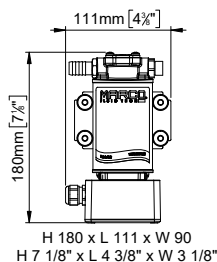
OCK1-E

REVERSIBLE

COMPLETE KIT WITH
BATTERY CLIPS



12/24V



PORTATA
FLOW RATE
max.
15 l/min
4 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	TUBO HOSE	BOCCHE PORTS	PESO WEIGHT
164 931 15	12/24	1	6A / 3A	120W	7,5A	13 mm	3/8" BSPP	2,4 kg

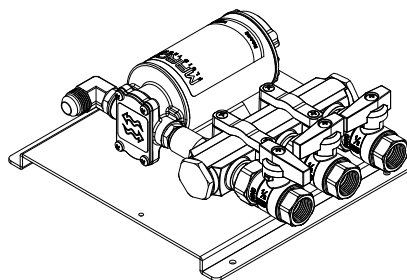
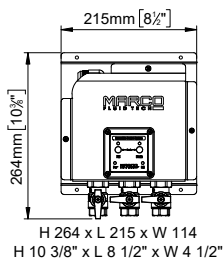
OCS3/E

REVERSIBLE

3 VALVES



12/24V



PORTATA
FLOW RATE
max.
10 l/min
2.6 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHE PORTS	PESO WEIGHT
164 924 15	12/24	1,5	4A / 2A	120W	10A	1/2" BSPP	4,4 kg

OCS5/E

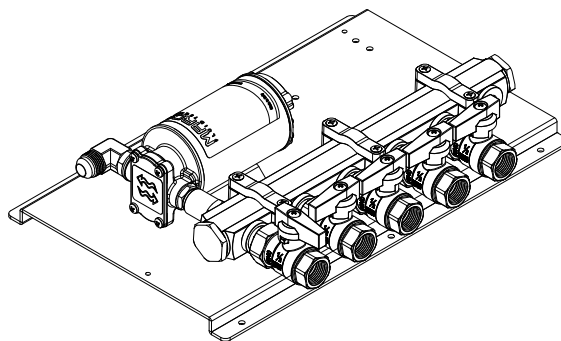
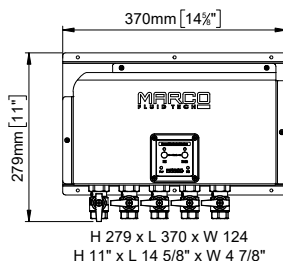
REVERSIBLE

NEW

5 VALVES



12/24V



PORTATA
FLOW RATE
max.
10 l/min
2.6 gpm

PRESSIONE
PRESSURE
max.
2 bar
29 psi

CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHE PORTS	PESO WEIGHT
164 925 15	12/24	1,5	4A / 2A	120W	10A	1/2" BSPP	6,5 kg

OIL TRANSFER PUMPS

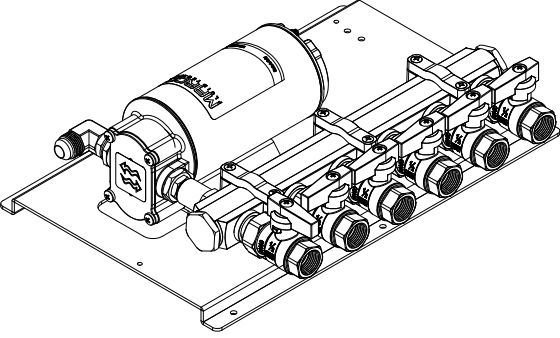
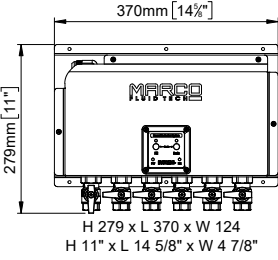
OCS6/E

6 VALVES



12/24V

REVERSIBLE



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.	CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHIE PORTS	PESO WEIGHT
15 l/min 4 gpm	2 bar 29 psi	164 926 15	12/24	1,5	5A / 2,5A	180W	10A	1/2" BSPP	8 kg

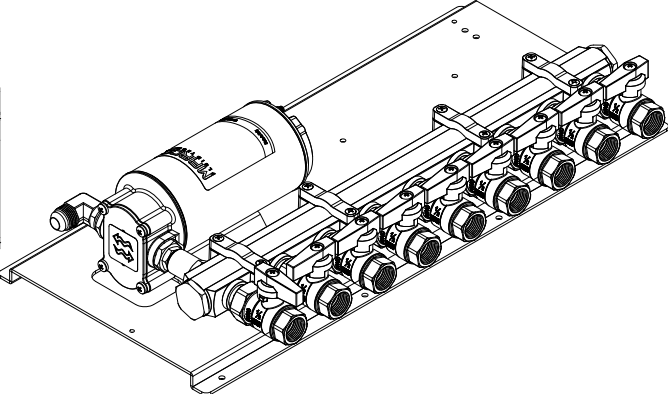
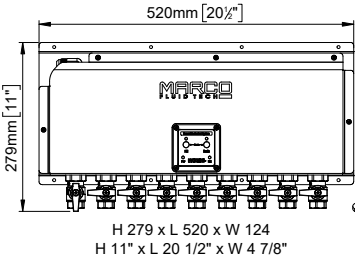
OCS9/E

9 VALVES



12/24V
100-240V

REVERSIBLE



PORTATA FLOW RATE max.	PRESSIONE PRESSURE max.	CODICE PART NUMBER	VOLT	ADESCAM. SELF-PRIM. m	CONS.	MOTORE MOTOR	FUSIBILE FUSE	BOCCHIE PORTS	PESO WEIGHT
15 l/min 4 gpm	2 bar 29 psi	164 928 15	12/24	1,5	5A / 2,5A	180W	10A	1/2" BSPP	10 kg
		164 928 1H	100-240	1,5	0,3A	180W	1A	1/2" BSPP	10,8 kg

OCP1/3

3/8" valve



OCP2/3

Two 3/8" valves



OCP1/6

1/2" valve



OCP2/6

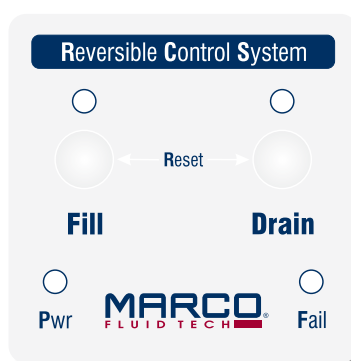
Two 1/2" valves



TIPO TYPE	CODICE PART NUMBER	DESCRIZIONE DESCRIPTION	BOCCHIE PORTS
OCP1/3	165 030 00	1 valve tap for UP3-RK	3/8" BSPP
OCP2/3	165 031 00	2 valves tap for UP3-RK	3/8" BSPP
OCP1/6	165 032 00	1 valve tap for UP6-RK	1/2" BSPP
OCP2/6	165 033 00	2 valves tap for UP6-RK	1/2" BSPP

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RCS - Reversible Control System



IT Il pannello di controllo RCS, integrato nelle pompe e nei sistemi di travaso e cambio olio, permette di monitorare il funzionamento della pompa ed interagire con essa. Caratteristiche:

- Reversibilità della direzione del flusso che permette due modalità operative: DRAIN per l'aspirazione e FILL per il riempimento.
- Regolazione automatica della velocità del motore in base alla viscosità e alla temperatura del liquido.
- Arresto e riavvio della pompa con la semplice pressione di un tasto.
- Reset istantaneo tramite la pressione simultanea dei due tasti operativi (DRAIN e FILL).
- Arresto automatico dopo 30 secondi in caso di olio troppo viscoso o rubinetto chiuso.
- Arresto automatico dopo 90 secondi dal termine del travaso, quando la pompa è vuota.
- Arresto automatico dopo 30 minuti di funzionamento senza interruzioni (opzione disattivabile direttamente dal pannello).
- Segnalazioni operative tramite LED luminosi.
- Possibilità di impostazione "High Speed" per travaso diesel.

DE Das RCS-Kontrollpaneel, das in den Pumpen und in den Umfüll- und Ölwechselsystemen integriert ist, ermöglicht die Kontrolle der Pumpentätigkeit, sowie eine Interaktion. Eigenschaften:

- Flüssigkeit kann in zwei Richtungen fließen: DRAIN-Modus beim Absaugen und FILL-Modus beim Einfüllen
- automatische Geschwindigkeitsregelung des Motors je nach Zähflüssigkeitsgrad und Temperatur
- Stoppen und Starten der Pumpe wird mit einem Knopfdruck betätigt
- unmittelbares Resetieren erfolgt mit simultanem Drücken der beiden Tasten DRAIN und FILL
- bei allzu zähflüssigem Öl oder bei geschlossenem Hahn erfolgt ein automatischer Stop nach 30 Sekunden
- automatischer Stop nach 90 Sekunden, wenn nach dem Umfüllen die Pumpe leer ist
- automatischer Stop nach 30 Minuten ununterbrochener Arbeit (kann man, wenn unerwünscht, direkt am Panel ausschalten)
- LED-Anzeige bei leerem Behälter
- "High speed" Einstellungsmöglichkeit für Dieselumfüllung

FR Le panneau de contrôle RCS, intégré dans les pompes à huile et les systèmes de changement d'huile vous permet de surveiller à distance le fonctionnement de la pompe et d'interagir avec elle. Caractéristiques:

- Réversibilité du sens d'écoulement, ce qui permet deux modes de fonctionnement : DRAIN pour l'aspiration et FILL pour le remplissage.
- Régulation automatique de la vitesse du moteur en fonction de la viscosité et de la température du liquide.
- Arrêt et démarrage de la pompe avec une simple pression sur un bouton.
- Réinitialisation immédiate en appuyant sur les boutons DRAIN et FILL à la fois.
- Arrêt automatique au bout de 30 secondes en présence d'huile avec une viscosité excessive ou robinet fermé.
- Arrêt automatique au bout de 90 secondes de la fin de l'opération lorsque la pompe est vide.
- Arrêt automatique au bout de 30 minutes de fonctionnement continu (cette option peut être désactivée directement depuis le panneau).
- Les opérations sont signalées par des LEDs lumineuses.
- Possibilité de réglage "High Speed" pour le transvasement de diesel.

EN The RCS control panel integrated in the oil pumps and oil change systems allows you to remotely monitor the operation of the pump and interact with it. Features:

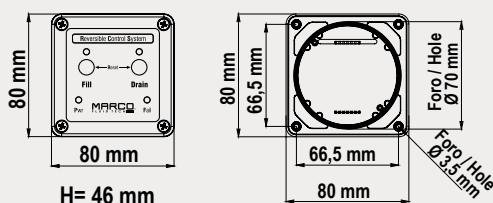
- The reversibility of flow direction allows for two operative modes: DRAIN for aspiration and FILL for filling.
- Automatic regulation of the motor speed according to viscosity and temperature of the liquid.
- Stop and Start of the pump with a simple push of a button.
- Immediate reset by pressing the DRAIN and FILL buttons at the same time.
- Automatic stop after 30 seconds in presence of oil with excessive viscosity or closed tap.
- Automatic stop after 90 seconds from the end of the operation when the pump is empty.
- Automatic stop after 30 minutes of continuous operation (this option can be deactivated directly from the panel).
- Operations are signaled by luminous LEDs.
- Possibility of "High Speed" setting for diesel transfer.

ES El panel de control RCS integrado en las bombas de aceite y en los sistemas de cambio de aceite permite controlar a distancia el funcionamiento de la bomba e interactuar con ella. Características:

- Reversibilidad de la dirección del flujo a través de dos modos operativos: DRAIN para aspiración y FILL para llenado.
- Regulación automática de la velocidad del motor de acuerdo con la viscosidad y la temperatura del líquido.
- Apagamiento e reinicio de la bomba con una simple pulsación de un botón.
- Reajuste inmediato pulsando el drenaje y llene botones DRAIN y FILL al mismo tiempo.
- Parada automática después de 30 segundos en presencia de aceite con una viscosidad excesiva o grifo cerrado.
- Parada automática después de 90 segundos desde el final de la operación cuando la bomba está vacía.
- Parada automática después de 30 minutos de funcionamiento continuo (esta opción se puede desactivar directamente desde el panel).
- Las operaciones se indican mediante LEDs luminosos.
- Posibilidad de ajuste al modo "High Speed" para transvase de diésel.

PT O painel de controle RCS integrado nas bombas de óleo e nos sistemas de mudança de óleo permite monitorar remotamente o funcionamento da bomba e interagir com a mesma. Características:

- Dois modos operativos: DRAIN para aspiração e FILL para enchimento, com possibilidade de inversão do sentido de fluxo.
- Regulação automática da velocidade do motor conforme a viscosidade e a temperatura do líquido.
- Paragem e arranque da bomba com uma simples pressão dum botão.
- Redefinição imediata pressionando os botões DRAIN e FILL ao mesmo tempo.
- Paragem automática depois de 30 segundos em presença de óleo com viscosidade excessiva ou torneira fechada.
- Paragem automática depois de 90 segundos a partir do final da operação, quando a bomba está vazia.
- Paragem automática depois de 30 minutos de operação contínua (esta opção pode ser desativada diretamente no painel).
- As operações são sinalizadas por LEDs luminosos.
- Possibilidade de definir o modo "High Speed" para trasfega de diesel.



TIPO TYPE	CODICE PART NUMBER	VOLT	DESCRIZIONE DESCRIPTION	PROTEZIONE PROTECTION	DIMENSIONI DIMENSIONS mm	FORO HOLE mm
RCS	165 201 15	12/24	for UP3-RK	IP67	80 x 80 x 46	Ø 70
	165 202 15	12/24	for UP6-RK	IP67	80 x 80 x 46	Ø 70

PUMP ACCESSORIES

STAINLESS STEEL ACCUMULATOR TANKS

ATX1



STAINLESS STEEL

ATX2



TIPO TYPE	CODICE PART NUMBER	FINITURA	CAPACITÀ CAPACITY litri / liters	PRESSIONE PRESSURE		DIMENSIONI DIMENSIONS	BOCCA CONNECT
				std	max		
ATX1	165 080 10	acciaio inox stainless steel	0,5	1 bar 14.5 psi	10 bar 145 psi	Ø95x202	3/8" BPS
ATX2	165 081 10	acciaio inox stainless steel	2	1 bar 14.5 psi	10 bar 145 psi	Ø138x274	1/2" BPS

WHITE PAINTED ACCUMULATOR TANKS

AT1



WHITE PAINTED

AT2



TIPO TYPE	CODICE PART NUMBER	FINITURA	CAPACITÀ CAPACITY litri / liters	PRESSIONE PRESSURE		DIMENSIONI DIMENSIONS	BOCCA CONNECT
				std	max		
AT1	165 082 10	verniciato bianco white painted	2	1,3 bar 18.9 psi	10 bar 145 psi	Ø125x239	3/8" BPS
AT2	165 083 10	verniciato bianco white painted	5	1,3 bar 18.9 psi	8 bar 116 psi	Ø165x306	1/2" BPS

IN-LINE FILTERS



TIPO TYPE	CODICE PART NUMBER	RACCORDI CONNECTIONS	TUBO TUBE	MATERIALE MATERIAL	GRIGLIA NET
IS14	165 000 10	3/8" BSP	Ø14 mm interno Ø14 mm inner hose	PA6	0,5x0,5
IS16	165 001 10	1/2" BSP	Ø16 mm interno Ø16 mm inner hose	PA6	0,5x0,5
IS20	165 004 10	3/4" BSP	Ø20 mm interno Ø20 mm inner hose	PA6	0,5x0,5

- IT** Filtro in linea in nylon trasparente con parte filtrante in acciaio inox AISI 304. Chiusura a scatto per una facile ispezione e pulizia.
- EN** In-line filter made of transparent nylon with AISI 304 stainless steel net. Snap-on locking for easy inspection and cleaning.
- DE** Angeschlossener Filter aus durchsichtigem Nylon mit Filternetz aus Edelstahl AISI 304. Druckverschluss für eine einfache Reinigung.
- ES** Filtro en línea de nylon transparente con rejilla de acero inoxidable AISI 304. Gran facilidad de desmontaje para su limpieza.
- FR** Filtre en ligne de nylon transparent avec grille filtrante en acier inoxydable AISI 304. Déclenchement rapide pour faciliter l'inspection et le nettoyage.
- PT** O filtro em linha de nylon transparente com rede de aço inoxidável AISI 304. Grande facilidade de desmontagem para a limpeza.

QUICK CONNECTION FOR WASHING PUMPS



TIPO TYPE	CODICE PART NUMBER	DIMENSIONI DIMENSIONS mm	CONNESSIONI CONNECTION	FORO HOLE
DQC	165 100 00	90x84x55	int. Ø 12.5 ÷ 15,5	Ø78

- IT** Connessione rapida per pompa di lavaggio, inserita in un contenitore bianco ad incasso con coperchio e guarnizione di tenuta. Estremamente semplice da installare e adatta per operazioni rapide di lavaggio grazie alla connessione a scatto per il tubo a spirale della pistola.
- EN** Quick connection for washing pump, integrated in a built-in white container with cover and gasket. Particularly easy to install and suitable for fast washing operations thanks to the quick-click connector for the gun coil hose.
- DE** Schnellverbindung für Spülungspumpe, in einem weißen Behälter mit Deckel eingelassen und mit Dichtung. Außerst einfach zu montieren und geeignet für schnelle Spülungen, dank einer Druckverbindung für die Spirale der Spritzpistole.
- ES** Conexión rápida para bomba de lavado, insertada en un contenedor blanco empotrable con tapa y empaquetadura hermética. Extremamente fácil de instalar y apta para operaciones rápidas de lavado, gracias a la conexión a clic para la espiral de la pistola.
- FR** Connexion rapide pour pompe de lavage insérée dans une boîte blanche à encastrer avec couvercle et joint. Le montage est très facile et l'utilisation est pour des opérations rapides de lavage grâce à la connection à déclenchement pour le tuyau à spirale du pistolet.
- PT** Ligação rápida para bomba de lavagem, inserida num recipiente branco de encaixe com tampa e borracha de estanque. Extremamente fácil de instalar e apta para operações rápidas de lavagem, graças à ligação rápida para a espiral da pistola.

Solenoid Valves

EV-M312



IT Elettrovalvole di intercettazione carburante per imbarcazioni entrobordo, conformi alle prescrizioni RINA. Corredate di uno speciale dispositivo per lo sblocco manuale della valvola che garantisce il passaggio del carburante anche in caso di guasto all'impianto elettrico. Complete di raccordi a bicono per tubi di vario diametro. Corpo in ottone e staffa in acciaio verniciato.

DE Elektroventile für Boote mit eingebautem Motor, gemäß den Richtlinien vom RINA. Mit Möglichkeit manuell den Durchfluss von Diesel auch bei Ausfall von Elektrizität zu garantieren. Mit Verbindungen für verschiedene Schlauchdurchmesser. Ventil aus Messing und Haltebügel aus vernickeltem Stahl.

FR Valves électriques coupe-carburant pour bateaux entre-bord en conformité aux prescriptions RINA. Equipées d'un dispositif spécial pour le déblocage manuel de la valve qui garantit le passage du carburant même dans le cas d'avarie de l'installation électrique. Complètes de raccords bicones pour tuyaux de diamètres divers. Corps en laiton chromé et étrier en acier verni.

EN Fuel cut-off solenoid valves for inboard engine boats, which meet RINA regulations, incorporating a hand release knob to open the valve manually in case of electrical failure, complete with ogive pipe fittings for tubing of various diameters. Brass body and painted steel fixing bracket.

ES Electroválvulas de cierre carburante para embarcaciones "inboard", construidas según las normas RINA. Provistas de un dispositivo especial para el desbloqueo manual de la válvula en caso de daños a la instalación eléctrica. Provistas de conexiones para tubos de varios diámetros. Cuerpo en latón y soporte de fijación en acero pintado.

PT Electroválvulas de corte de carburante para embarcações "inboard", fabricadas de acordo com as regras do RINA. Equipadas com dispositivo especial para desbloquear manualmente a válvula, em caso de danos à instalação elétrica. Equipadas com ligações para tubos de vários diâmetros. Corpo em latão e suporte de fixação em aço pintado.

TIPO TYPE	CODICE PART NUMBER	VOLT	AMP.	PASSAGGIO HOLE Ø mm	BOCCHE PORTS	RACCORDI CONNECTIONS Ø mm	BAR max.	PORTATA FLOW RATE max.	Pcs. x carton
EV-M312	140 040 12	12	1	12	1/2"	12	3	69 l/min	20
	140 040 13	24	0,55	12	1/2"	12	3	69 l/min	20

EV-MA



IT Elettrovalvola per impiego acqua su imbarcazioni. Bocche da 1/4". Pressione max. 5 bar. Corpo in ottone, canotto interno in acciaio inox. Applicazioni: sistema impianto tergicristalli, sistema di erogazione acqua per imbarcazioni.

DE Elektroventil für Boote. Mündungen 1/4" und max. Druck von 5 bar. Gehäuse aus Messing und interne Führungshülse aus rostfreiem Stahl. Besonders für Scheibenwischersysteme, Wassersysteme auf Boote usw. geeignet.

DE Valve électrique pour utilisation avec systèmes d'eau sur les bateaux. Orifices de 1/4". Pression max. 5 bar. Corps en laiton et coulisseau interne en acier inoxydable. Applications: pour systèmes de essuie-glace, pour systèmes de distribution d'eau sur les bateaux.

EN Electric valve for fresh water on boats. 1/4" ports. Maximum pressure 5 Bar. Brass body, stainless steel internal sleeve. Main applications: wiper systems and water distribution on boats.

ES Electroválvula para empleo de agua en embarcaciones. Bocas de 1/4". Presión max. 5 bar. Cuerpo en latón, guía interna en acero inox. Aplicaciones: sistema limpiaparabrisas, sistema de distribución agua en embarcaciones.

PT Electroválvula para emprego de água em embarcações. Entradas de 1/4". Pressão max. 5 bar. Corpo em latão, guia interna em aço inox. Aplicações: sistema limpa-vidros, sistema de distribuição água em embarcações.

TIPO TYPE	CODICE PART NUMBER	VOLT	AMP.	PASSAGGIO HOLE Ø mm	BOCCHE PORTS	BAR max.	PORTATA FLOW RATE max.	Pcs. x carton
EV-MA	140 200 12	12	1	4,5	1/4"	5	21 l/min	24
	140 200 13	24	0,55	4,5	1/4"	5	21 l/min	24



Radio Controlled Search Lights

FM2



CODICE PART NUMBER	VOLT	LAMPADA BULB	AMP.	PROTEZIONE PROTECTION	Cd (p)	DIMENSIONI DIMENSIONS mm
170 020 12	12	H1 100W	7,5	IP55	130.000	Ø135xh250
170 020 13	24	H1 100W	3,8	IP55	130.000	Ø135xh250

FM3



CODICE PART NUMBER	VOLT	LAMPADA BULB	AMP.	PROTEZIONE PROTECTION	Cd (p)	DIMENSIONI DIMENSIONS mm
170 040 12	12	H1 100W	7,5	IP55	130.000	Ø165xh194
170 040 13	24	H1 100W	3,8	IP55	130.000	Ø165xh194

WARRANTY

Garanzia

- 1) Il periodo di garanzia è di 2 anni dalla data d'acquisto come risulta dalla relativa fattura.
- 2) Nel caso la fattura non fosse disponibile, il periodo di garanzia di 2 anni sarà calcolato dalla data di fabbricazione.
- 3) La garanzia decade e s'intende nulla in caso d'utilizzazione non corretta o nel caso venissero ignorate le istruzioni contenute nei manuali.
- 4) La garanzia copre solamente i difetti di fabbricazione.
- 5) La garanzia non copre i costi connessi di installazione e smontaggio.
- 6) I costi di trasporto sono rimborsabili solo nel caso in cui la garanzia sia stata debitamente riconosciuta e accettata da Marco S.p.A. Il rimborso sarà limitato ai costi di spedizione dal magazzino di Marco S.p.A. alla sede del cliente.
- 7) Nessuna nota di credito o reso saranno effettuati prima di un test eseguito dal controllo di qualità di Marco S.p.A. che dichiari difettoso il prodotto.

La società MARCO non accetterà nessun reso senza previa accettazione e accordo dell'ufficio commerciale.

Garantie

- 1) Die Garantie von 2 Jahren beginnt mit dem Einkaufsdatum d.h. Datum unserer Rechnung an den Kunden.
- 2) Für den Fall, dass die Rechnung nicht vorliegt beginnt die Garantie von 2 Jahren ab unserem Produktionsdatum.
- 3) Die Garantie verfällt bei nicht korrektem Einsatz des Produktes, oder bei Ignorierung der Gebrauchsanweisungen.
- 4) Die Garantie wird nur für Produktionsfehler akzeptiert
- 5) Die Garantie beinhaltet nicht die Kosten für Installation oder Abmontierungen
- 6) Die Transportkosten werden von der Firma MARCO S.p.A. nur in dem Fall getragen, wo der Garantiefall akzeptiert wurde. Diese Kosten beinhalten den Transport ab dem Werk der Firma MARCO bis zum Firmensitz des Kunden.
- 7) Es wird keine Gutschrift erstellt und kein Austausch gestattet bis die erfolgten Tests der Qualitätskontrolle von der MARCO S.p.A. einen effektiven Produktionsfehler bewiesen haben.

Die Firma MARCO akzeptiert keine Rücksendungen ohne vorherige Absprache mit dem Verkaufsbüro.

Garantie

- 1) La période de garantie est de 2 ans de la date d'achat qui est indiquée sur la facture correspondante.
- 2) Le cas où la facture ne soit pas disponible la période de garantie de 2 ans sera calculée de la date de fabrication.
- 3) La garantie déchoit et est considérée annulée en cas d'utilisation incorrecte ou en cas les instructions contenues dans le manuel d'instructions soient ignorées.
- 4) La garantie couvre seulement les défauts de fabrication.
- 5) La garantie ne couvre pas les coûts liés à l'installation et démontage.
- 6) Les frais de transport sont remboursables seulement le cas où la garantie est dument reconnue et acceptée par MARCO S.p.A. Ces coûts seront limités aux frais d'expédition entre le magasin de Marco S.p.A. et l'adresse du client.
- 7) Aucune note de crédit ou de remplacement sera émise avant que le produit réclamé soit examiné par le Département de Contrôle de Qualité de MARCO S.p.A. qui est le seul qui peut déclarer défectueux le produit.

La maison MARCO n'acceptera pas aucun retour de marchandise sans préalable accord et acceptation du bureau commerciale.

Warranty

- 1) The Warranty period is 2 years from date of purchase on production of the appropriate sales invoice.
- 2) Should the original sales invoice not be available, then the 2 year warranty period will be valid from date of production.
- 3) The Warranty becomes null and void in the case of incorrect utilization or disregard of the instructions contained within manuals.
- 4) The Warranty only covers original production defects.
- 5) The Warranty does not cover any related installation costs involved.
- 6) Transport costs are refundable only in the case where warranty has been duly recognized and accepted by Marco Spa. These costs will be limited to the actual shipment costs between Marco Spa warehouse and the client's delivery address.
- 7) No credit notes or replacement items will be issued prior to the receipt and proper testing of any Marco goods that are deemed faulty.

The company MARCO will not accept any returned goods without prior agreement and approval of the sales department.

Garantía

- 1) El periodo de garantía es de 2 años de la fecha de compra, como resulta en la factura relativa.
- 2) En el caso que la factura no sea disponible, el periodo de garantía de 2 años será calculado de la fecha de producción.
- 3) La garantía vence y se considera nula en caso de uso incorrecto o en caso sean desatendidas las instrucciones contenidas en los manuales.
- 4) La garantía cubre solamente los defectos de fabricación.
- 5) La garantía no cubre los costes envueltos de instalación y desmontaje.
- 6) Los costes de transporte son reembolsables sólo en el caso que la garantía haya sido reconocida y aceptada por Marco S.p.A. Estos costes serán limitados al los costes de envío desde el almacén de Marco S.p.A. y la sede del cliente.
- 7) Ninguna nota de crédito o devolución será hecha antes de un test realizado por el controle de calidad de Marco S.p.A que declare el producto defectuoso.

La firma MARCO no podrá aceptar devoluciones de mercadería sin previo acuerdo y aprobación del departamento comercial.

Garantia

- 1) O período de garantia é de 2 anos da data de compra, como indicado na factura relativa.
- 2) Caso a factura não esteja disponível, o período de garantia de 2 anos será calculado a partir da data de fabrico.
- 3) A garantia caduca e é considerada nula no caso de incorrecta utilização ou no caso em que sejam ignoradas as instruções contidas nos manuais.
- 4) A garantia cobre só os defeitos de fabricação.
- 5) A garantia não cobre custos de instalação e/ou desmontagem.
- 6) Os custos de transporte são reembolsáveis só no caso em que a garantia seja reconhecida e aceite pela Marco S.p.A. O reembolso será limitado aos custos de envio desde o armazém da Marco S.p.A. até à sede do cliente.
- 7) Nenhuma nota de crédito ou devolução será feita antes dum teste efectuado pelo controle de qualidade da Marco S.p.A, que declare o produto defeituoso.

A firma MARCO não poderá aceitar devoluções de mercadoria sem prévio acordo e aprovação pelo departamento comercial.

RETURN PROCEDURE

PROCEDURA RESI

Prima di restituire un prodotto alla MARCO s.p.a. contattare l'assistenza clienti per ricevere un numero di autorizzazione. Questo numero va riportato sull'esterno del pacco di spedizione. Inserire nel pacco una nota con la spiegazione del motivo della restituzione e indicare anche il numero di autorizzazione, il vostro nome, indirizzo e numero di telefono.

RÜCKGABEVERFAHREN

Vor jeder Rücksendung eines Produktes an Marco s.p.a. bitten wir Sie uns anzurufen, damit wir Ihnen eine genehmigte Vorgangsnummer zuteilen. Diese Vorgangsnummer muss auf der Außenseite des Versand-Pakets lesbar sein. Legen Sie eine Fehlerbeschreibung in das Paket mit einer erneuten Nennung der Vorgangsnummer. Fügen Sie Ihren Namen, Anschrift und Telefonnummer bei.

PROCÉDURE DE RETOUR

Avant de renvoyer un produit à la maison MARCO S.P.A. il faut contacter notre service d'assistance aux clients pour avoir le numéro d'autorisation au retour. Ce numéro devra être mentionné à l'extérieur du colis d'expédition. En même temps insérer dans le colis une note expliquant la raison du retour et indiquant le numéro d'autorisation, Votre nom, adresse et numéro de téléphone.

RETURN PROCEDURE

Prior to returning any product to MARCO s.p.a. call customer service for an authorization number. This number must be written on the outside of the shipping package. Place a note inside the package explaining the reason of the return and reporting the authorization number. Include your name, address and phone number.

PROCEDURA DE DEVOLUCIONES

Antes de devolver un producto a la MARCO s.p.a., contactar el servicio clientes para recibir un numero de autorización. Este numero tiene que ser escrito al exterior del paquete de expedición. Insertar en el paquete una nota con la explicación del motivo de la devolución, indicando también el numero de autorización, su nombre, dirección y numero de teléfono.

PROCESSO DE DEVOLUÇÕES

Antes de devolver um produto à MARCO s.p.a., contactar o serviço clientes para receber um numero de autorização. Este numero tem que ser escrito no exterior do pacote de expedição. Inserir no pacote uma nota com a explicação do motivo da devolução, indicando também o numero de autorização, seu nome, endereço e numero de telefone.

ISO 9001



In oltre quarant'anni di attività produttiva abbiamo sempre perseguito e mantenuto l'obiettivo qualità. Siamo determinati a costruire qualità dentro ogni cosa che facciamo. Vogliamo dare performance sempre migliori nei giusti tempi. Con una costante attenzione ai bisogni delle persone del nostro settore e coinvolgendo i nostri operatori in un'azione motivata e partecipe proponiamo prodotti, soluzioni e servizi innovativi mirando a superare le loro stesse aspettative. La nostra strategia aziendale si sviluppa attraverso un processo informativo sempre più controllato. Il nostro compito è quello di essere un partner affidabile per i nostri interlocutori, contribuire sempre più al loro successo attraverso la nostra organizzazione. La loro fiducia costituisce il nostro motivo ed è allo stesso tempo obiettivo di esistenza nel mercato internazionale.

In mehr als 40 Jahre langen Aktivität, haben wir immer darauf bestanden, daß in der Produktion vor allem die Qualität an erster Stelle kam. Wir wollen, daß alles was wir herstellen, qualitativ am besten ist; wir wollen immer bessere Arbeitsvorgänge in optimalen Zeitspannen anbieten können. Wir versuchen, den Anforderungen unserer Kunden entgegenzukommen, indem wir unsere Mitarbeiter mit einer motivierten Tätigkeit an der Produktion teilnehmen lassen, so daß neue Produkte, immer bessere Problemlösungen und Dienste angeboten werden, die selbst die Kundenanfrage überschreiten. Unsere Betriebsstrategie entwickelt sich anhand eines immer besser kontrollierten Informationsverfahren. Unsere Aufgabe ist es, ein zuverlässiger Partner für unsere Kunden zu sein, und dank unserer Organisation zu ihrem Erfolg beitragen zu können. Das Vertrauen unserer Kunden ist das Leitmotiv unserer Firma und gleichzeitig der Zweck, um überhaupt auf dem internationalen Markt aufzutreten.

Dans plus de 40 ans nous avons toujours poursuivi et maintenu l'objectif qualité. Nous sommes déterminés à construire qualité à l'intérieur de toute chose que nous faisons. Nous voulons donner performances de plus en plus meilleures dans les plus justes temps. Avec une constante attention aux besoins des personnes de notre secteur et impliquant nos opérateurs dans une action motivée et participée, nous proposons des produits, des solutions, et des services innovants en visant à dépasser leurs mêmes attentes. La stratégie de notre Maison se développe par un processus informatif de plus en plus contrôlé. Notre rôle est celui d'être un partenaire efficace et fidèle pour tous nos interlocuteurs et contribuer de plus en plus à leur succès à travers notre organisation. Leur confiance constitue notre but et en même temps l'objectif d'existence dans le marché international.

We have constantly strived for, and maintained the quality objective in over 40 years of our manufacturing activity. We are determined to build quality into everything we make. We wish to constantly improve performance within adequate time parameters. Keeping in mind the needs of those who operate in our market sector, together with a coordinated and motivated action plan involving all our partners, we wish to offer innovative products, solutions and services while at the same time striving to exceed their expectations. Our company strategy is to evolve through a well controlled and informed business process. We aim to be a reliable partner to all our customers and to contribute increasingly to their success through our organization. Their trust constitutes our motive and at the same time our objective for existence in the international market.

En más de cuarenta años de actividad productiva hemos siempre perseguido y mantenido el objetivo calidad y estamos aún más decididos en "construir" calidad en cualquier cosa que vamos hacer. Queremos dar prestaciones siempre mejores en los tiempos adecuados. Con una atención constante a las necesidades de las personas de nuestro sector y envolviendo nuestros operadores en una acción motivada y participe, proponemos productos, soluciones y servicios innovadores, aspirando a superar sus mismas expectativas. Nuestra estrategia empresarial se desarrolla por medio de un proceso informativo muy avanzado y controlado. Nos proponemos ser un partner fiable para nuestros interlocutores y contribuir siempre más a su éxito por medio de nuestra organización. Su confianza constituye nuestro motivo y al mismo tiempo objetivo de existencia en el mercado internacional.

Em mais de quarenta anos de actividade produtiva sempre seguimos e mantivemos o objectivo da qualidade e estamos cada vez mais decididos a "construir" qualidade em qualquer coisa que façamos. Queremos dar sempre a melhor performance na hora certa. Com uma atenção constante nas necessidades das pessoas no nosso sector, e envolvendo os nossos colaboradores numa acção motivada e participante, propomos produtos, soluções e serviços inovadores, aspirando ultrapassar as suas expectativas. A nossa estratégia empresarial desenvolve-se por meio dum processo informativo muito avançado e controlado. Ambicionamos ser um parceiro fiável para nossos interlocutores e contribuir cada vez mais para o seu êxito por intermédio da nossa organização. A sua confiança constitui o nosso motivo e ao mesmo tempo o objectivo da nossa existência no mercado internacional.

ISO 14001



Alla base della vita c'è il rispetto di essa. Trattare le risorse della natura con responsabilità è diventato un motivo dominante per chi, come noi, vuole offrire un futuro all'ambiente. La qualità della vita di tutti i giorni è il presupposto per l'esistenza di un futuro affrontabile. Materiali riciclabili, prodotti a ridotto consumo di energia, procedimenti produttivi ecologici, operatori formati e informati contribuiscono a salvaguardare passo dopo passo l'ambiente come risultato di una scelta attenta e consapevole.

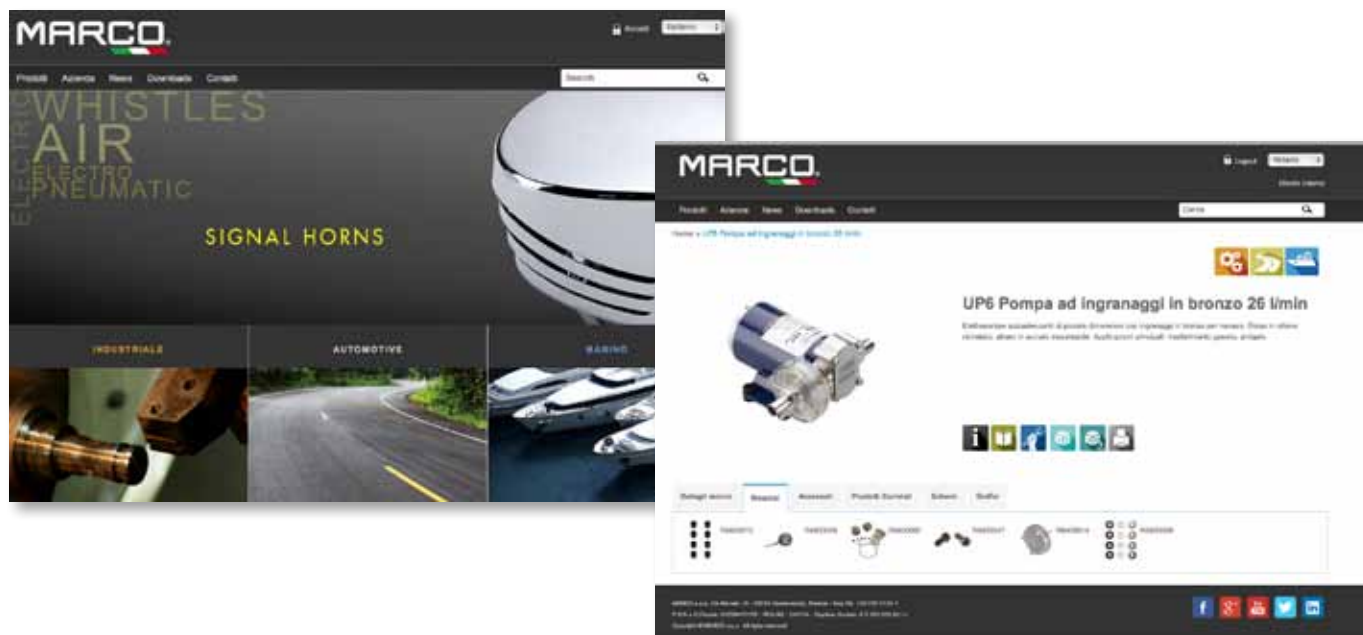
Ausgangspunkt des Lebens ist der Respekt für dasselbe. Die natürlichen Reichtümer müssen verantwortungsbewußt benutzt werden; das ist das Leitmotiv für all diejenigen, die, wie wir, der Umwelt eine Zukunft bieten wollen. Die Qualität des Alltags ist die Voraussetzung für eine akzeptable Zukunft. Material zur Wiederverwertung, Produkte, die ein Minimum an Energie verbrauchen, ökologische Produktionsverfahren, sowie ausgebildetes und höchstinformiertes Personal tragen dazu bei, Schritt für Schritt die Umwelt zu respektieren und sie mit verantwortungsbewußten Wahlen zu retten.

À la base de la vie il y a le respect. Traiter les ressources de la nature avec responsabilité est devenu un motif dominant pour qui, comme nous, veut offrir un futur à l'environnement. La qualité de la vie de tous les jours est le fondement de l'existence d'un futur abordable. Matériels recyclés, produits à consommation d'énergie réduite, procédés de production écologiques, opérateurs formés et informés contribuent, pas à pas, à sauvegarder l'environnement comme résultat d'un choix de conscience.

Respect for life remains at the essence of life itself. Managing nature's resources with responsibility has become a dominant motive for those who, like us, wish to contribute to the future of the environment. Everyday quality of life is a basic requirement for the existence of a promising future. Recyclable materials, reduced energy consumption products, ecological production processes, well-trained and informed workers, all contribute to protecting the environment, step by step, as a result of responsible and accurate choices made all along.

El respeto a la vida es la esencia de la vida misma. Tratar los recursos de la naturaleza con cuidado se ha hecho un motivo dominante para quien, como nosotros, quiere garantizar un futuro al ambiente. La calidad de la vida cotidiana es la premisa para la existencia de un futuro posible. Materiales reciclables, productos a bajo consumo de energía, procesos productivos ecológicos, operadores formados e informados contribuyen a salvaguardar paso a paso el medio ambiente como logro de una elección atenta y consciente.

O respeito pela vida é a essência da própria vida. Tratar os recursos da natureza com responsabilidade tornou-se num motivo dominante para quem, como nós, quer garantir um futuro ao ambiente. A qualidade da vida diária é a premissa para a existência dum futuro promissor. Materiais recicláveis, produtos de baixo consumo de energia, processos produtivos ecológicos, operadores formados e informados contribuem para salvaguardar passo a passo o meio ambiente, como resultado duma escolha atenta e consciente.



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SUONI	SOUNDS
RICAMBI	SPARE PARTS
CATALOGHI E SCHEDE TECNICHE	CATALOGUES AND TECHNICAL DATA SHEETS
RENDERING 3D	3D RENDERING
PDF STAMPABILI DI OGNI PRODOTTO	PRINTABLE PDF FOR EACH PRODUCT
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www.venetamarina.com



MATE GROUP e MATE USA sono i brand italiani che nascono dalla collaborazione storica tra MARCO e TESSILMARE e si propone come protagonista nel contesto mondiale del settore nautico.

L'esperienza internazionale delle due case italiane di produzione è il riferimento per il progetto che vede impegnato MATE GROUP in un ambizioso percorso distributivo.

MATE GROUP si è strutturato per rispondere con creatività agli stimoli e alle richieste contemporanee del mercato globale individuando scenari che integrino con equilibrio le soluzioni tecnologiche e gli strumenti di comunicazione informatici.

La ricerca di un elevato contenuto di servizio proietta MATE GROUP a fianco del suo interlocutore come partner adeguato e interprete competente delle differenti culture di mercato.

MATE GROUP and MATE USA are the brands resulted from the cooperation between MARCO and TESSILMARE and aims at achieving a leading role in the worldwide marine sector.

The international experience of both Italian manufacturers is the foundation on which MATE GROUP will be building its ambitious distribution plan.

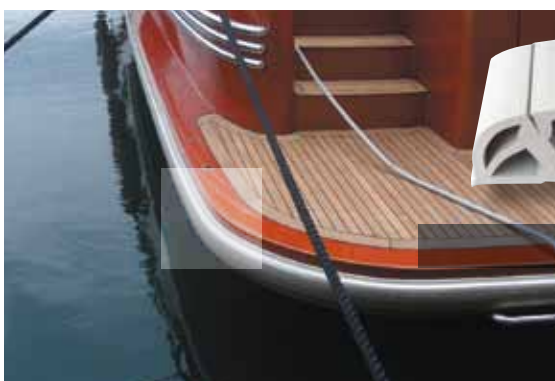
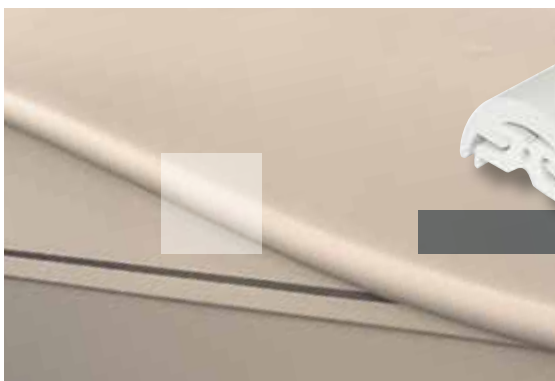
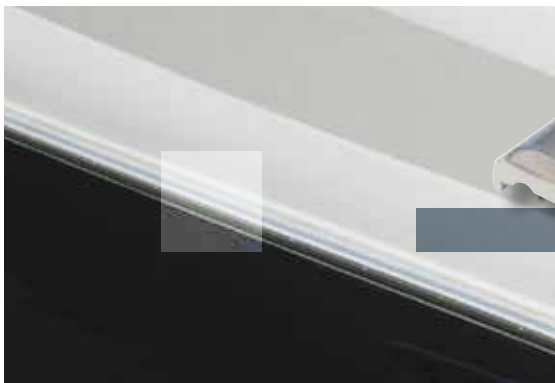
MATE GROUP has been structured to meet the expectations and stimuli of the contemporary global market. New scenarios have been found to reach such goal, where technological solutions and computer means of communication can be integrated and well-balanced.

MATE GROUP stands by its clients' side as a skilled and experienced partner in the various market trends.





SOLO EXPORT- ONLY EXPORT



ISO 9001



In quarant'anni di attività produttiva abbiamo sempre perseguito e mantenuto l'obiettivo qualità. Siamo determinati a costruire qualità dentro ogni cosa che facciamo. Vogliamo dare performance sempre migliori nei giusti tempi. Con una costante attenzione ai bisogni delle persone del nostro settore e coinvolgendo i nostri operatori in un'azione motivata e partecipe proponiamo prodotti, soluzioni e servizi innovativi mirando a superare le loro stesse aspettative. La nostra strategia aziendale si sviluppa attraverso

un processo informativo sempre più controllato. Il nostro compito è quello di essere un partner affidabile per i nostri interlocutori, contribuire sempre più al loro successo attraverso la nostra organizzazione. La loro fiducia costituisce il nostro motivo ed è allo stesso tempo obiettivo di esistenza nel mercato internazionale.

In unserer 40 Jahre langen Aktivität, haben wir immer darauf bestanden, daß in der Produktion vor allem die Qualität an erster Stelle kam. Wir wollen, daß alles was wir herstellen, qualitativ am besten ist; wir wollen immer bessere Arbeitsvorgänge in optimalen Zeitspannen anbieten können. Wir versuchen, den Anforderungen unserer Kunden entgegenzukommen, indem wir unsere Mitarbeiter mit einer motivierten Tätigkeit an der Produktion teilnehmen lassen, so daß neue Produkte, immer bessere Problemlösungen und Dienste angeboten werden, die selbst die Kundenanfrage überschreiten. Unsere Betriebsstrategie entwickelt sich anhand eines immer besser kontrollierten Informationsverfahren. Unsere Aufgabe ist es, ein zuverlässiger Partner für unsere Kunden zu sein, und dank unserer Organisation zu ihrem Erfolg beitragen zu können. Das Vertrauen unserer Kunden ist das Leitmotiv unserer Firma und gleichzeitig der Zweck, um überhaupt auf dem internationalen Markt aufzutreten.

Pendant 40 ans nous avons toujours poursuivi et maintenu l'objectif qualité. Nous sommes déterminés à construire qualité à l'intérieur de toute chose que nous faisons. Nous voulons donner performances de plus en plus meilleures dans les plus justes temps. Avec une constante attention aux besoins des personnes de notre secteur et impliquant nos opérateurs dans une action motivée et participée, nous proposons des produits, des solutions, et des services innovants en visant à surpasser leurs mêmes attentes. La stratégie de notre Maison se développe par un processus informatif de plus en plus contrôlé. Notre rôle est celui d'être un partenaire efficace et fidèle pour tous nos interlocuteurs et contribuer de plus en plus à leur succès à travers notre organisation. Leur confiance constitue notre but et en même temps l'objectif d'existence dans le marché international.

We have constantly strived for, and maintained the quality objective in the 40 years of our manufacturing activity. We are determined to build quality into everything we make. We wish to constantly improve performance within adequate time parameters. Keeping in mind the needs of those who operate in our market sector, together with a coordinated and motivated action plan involving all our partners, we wish to offer innovative products, solutions and services while at the same time striving to exceed their expectations. Our company strategy is to evolve through a well controlled and informed business process. We aim to be a reliable partner to all our customers and to contribute increasingly to their success through our organization. Their trust constitutes our motive and at the same time our objective for existence in the international market.

En los cuarenta años de actividad productiva hemos siempre perseguido y mantenido el objetivo calidad y estamos aún más decididos en "construir" calidad en cualquier cosa que vamos hacer. Queremos dar prestaciones siempre mejores en los tiempos adecuados. Con una atención constante a las necesidades de las personas de nuestro sector y envolviendo nuestros operadores en una acción motivada y participe, proponemos productos, soluciones y servicios innovadores, aspirando a superar sus mismas expectativas. Nuestra estrategia empresarial se desarrolla por medio de un proceso informativo muy avanzado y controlado. Nos proponemos ser un partner fiable para nuestros interlocutores y contribuir siempre más a su éxito por medio de nuestra organización. Su confianza constituye nuestro motivo y al mismo tiempo objetivo de existencia en el mercado internacional.

Nos quarenta anos de actividade produtiva sempre perseguimos e mantivemos o objetivo qualidade e estamos cada vez mais decididos em "construir" qualidade em qualquer coisa que fazamos. Queremos dar sempre a melhor performance atempadamente. Com uma atenção constante às necessidades das pessoas no nosso sector, e envolvendo os nossos colaboradores numa acção motivada e participante, propomos produtos, soluções e serviços inovadores, aspirando exceder as suas expectativas. A nossa estratégia empresarial desenvolve-se por meio dum processo informativo muito avançado e controlado. Ambicionamos ser um parceiro fiável para nossos interlocutores e contribuir sempre mais para o seu êxito por intermédio da nossa organização. A sua confiança constitui o nosso motivo e ao mesmo tempo o objetivo da nossa existência no mercado internacional.

ISO 14001



Alla base della vita c'è il rispetto di essa. Trattare le risorse della natura con responsabilità è diventato un motivo dominante per chi, come noi, vuole offrire un futuro all'ambiente. La qualità della vita di tutti i giorni è il presupposto per l'esistenza di un futuro affrontabile. Materiali riciclabili, prodotti a ridotto consumo di energia, procedimenti produttivi ecologici, operatori formati e informati contribuiscono a salvaguardare passo dopo passo l'ambiente come risultato di una scelta attenta e consapevole.

Ausgangspunkt des Lebens ist der Respekt für dasselbe. Die natürlichen Reichtümer müssen verantwortungsbewußt benutzt werden; das ist das Leitmotiv für all diejenigen, die, wie wir, der Umwelt eine Zukunft bieten wollen. Die Qualität des Alltags ist die Voraussetzung für eine akzeptable Zukunft. Material zur Wiederverwertung, Produkte, die ein Minimum an Energie verbrauchen, ökologische Produktionsverfahren, sowie ausgebildetes und höchstinformiertes Personal tragen dazu bei, Schritt für Schritt die Umwelt zu respektieren und sie mit verantwortungsbewußten Wahlen zu retten.

À la base de la vie il y a le respect. Traiter les ressources de la nature avec responsabilité est devenu un motif dominant pour qui, comme nous, veut offrir un futur à l'environnement. La qualité de la vie de tous les jours est le fondement de l'existence d'un futur abordable. Matériels recyclés, produits à consommation d'énergie réduite, procédés de production écologiques, opérateurs formés et informés contribuent, pas à pas, à sauvegarder l'environnement comme résultat d'un choix de conscience.

Respect for life remains at the essence of life itself. Managing nature's resources with responsibility has become a dominant motive for those who, like us, wish to contribute to the future of the environment. Everyday quality of life is a basic requirement for the existence of a promising future. Recyclable materials, reduced energy consumption products, ecological production processes, well-trained and informed workers, all contribute to protecting the environment, step by step, as a result of responsible and accurate choices made all along.

El respeto a la vida es la esencia de la vida misma. Tratar los recursos de la naturaleza con cuidado se ha hecho un motivo dominante para quien, como nosotros, quiere garantizar un futuro al ambiente. La calidad de la vida cotidiana es la premisa para la existencia de un futuro posible. Materiales reciclables, productos a bajo consumo de energía, procesos productivos ecológicos, operadores formados e informados contribuyen a salvaguardar paso a paso el medio ambiente como logro de una elección atenta y consciente.

O respeito à vida é a essência da mesma vida. Tratar os recursos da natureza com responsabilidade tornou-se um motivo dominante para quem, como nós, quer garantir um futuro ao ambiente. A qualidade da vida diária é a premissa para a existência dum futuro promissor. Materiais recicláveis, produtos de baixo consumo de energia, processos produtivos ecológicos, operadores formados e informados contribuem para salvaguardar passo a passo o meio ambiente, como resultado duma eleição atenta e consciente.

Tipo Type	12V	24V	Aria Air	Elettroniche Electronic	Manuali Hand Horn	Pressione Acustica Sound Pressure Level	Finitura Cromata Chromed Finishing	Finitura Bianca White Finishing	Acciaio Inox Lucido Bright Stainless Steel	Ottone Brass	Plastica Plastic	IMO 12<=20m	IMO 20<=75m	Imbarcazioni < 50m conf. D.M. 421/90	Imbarcazioni < 12m Vessels < 12m	Pagina Page
PW2	●	●	●			123	●		●		●					7
PW2-BB	●	●	●			123	●		●		●					7
PW2-BC	●	●	●			123	●		●		●					7
PW3	●	●	●			132	●		●			●				8
PW3-BB	●	●	●			132	●		●			●				8
PW3-BC	●	●	●			132	●		●			●				8
EW2	●	●		●		122	●			●	●					9
EW2-M	●	●		●		122	●			●	●					9
EW2-MS	●	●		●		122	●			●	●					9
EW3		●		●		131	●			●		●				10
EW3-M		●		●		131	●			●		●				10
EW3-MS		●		●		131	●			●		●				10
EMH	●	●		●		112	●			●				●		15
EMH-M	●	●		●		112	●			●				●		15
EMH-MS	●	●		●		112	●			●				●		15
EMH-2	●	●		●		115	●			●				●		16
TA1			●		●	122				●						19
TA1-A2			●		●	122				●						19
TA1-H			●		●	122				●						19
TA1B			●		●	-				●						19
TA1B-A2			●		●	-				●						19
TA1B-H			●		●	-				●						19
TA1R			●		●	122				●						20
TA1X			●		●	122				●						20
BE2					●				●		●					21
BE2-C					●		●		●		●					21
BE3					●				●			●				21
BE3-C					●		●		●			●				21
MT1-H	●	●				114	●			●				●		23
MT1-L	●	●				114	●			●				●		23
MT2	●	●				116	●			●				●		23
EM1	●	●				118		●						●		23
EM2	●	●				118		●						●		24
EM1/2	●	●				121		●						●		24
EMX1	●	●				119		●						●		24
EMX2	●	●				119		●						●		24
EMX1/2	●	●				122		●						●		25
DUK	●					114		●						●		25
TCE	●	●				114		●	●					●		25
BK1	6÷100			●		85/95				●						25
BK2	9÷28			●		105				●						25
SK1	●					108		●		●				●		26
SK1/C	●					108	●			●				●		26
SM1	●					108		●		●				●		26
SM1/C	●					108	●			●				●		26
SM1/B	●					108				●				●		27
HR1	●	●	●			120		●		●				●		29
HR1/C	●	●	●			120	●			●				●		29
MA1-C	●	●	●			114	●			●				●		29
MA1-S	●	●	●			117	●		●					●		29
RIM-N	●	●	●			111	●		●					●		30
TT2-M	●	●	●			111	●			●				●		30
TC1	●	●	●			116		●	●					●		30
TC1/P	●	●	●			116		●		●				●		30

dB (1/3 OCT.) 1m
dBA 1m

Tipo Type	12V	24V	220V	Portata l/min Flow Rate l/min	Pressione bar Pressure bar	Diesel	Olio Oil	Acqua e Soluzioni Water and Fluids	Alta Pressione High Pressure	Elettroniche Electronic	Controllo Remoto Remote Control	Reversibile Reversible	Kit	Acciaio Inox Stainless Steel	Pagina Page
UP2/E	●	●		10	2			●		●					33
UP3/E	●	●		15	2,5			●		●	●				33
UP6/E	●	●		26	2,5			●		●	●				33
UP12/E	●	●		36	2,5			●		●	●				34
UP14/E	●	●		46	2,5			●		●	●				34
UP6/E-DX	●	●		52	2,5			●		●	●				34
UP66/E-DX	●	●		66	2,5			●		●	●				35
UP12/E-DX		●		72	2,5			●		●	●				35
UP14/E-DX	●	●		92	2,5			●		●	●				35
SP2	●	●		10	2			●		●			●		38
TK1/2	●	●		10	2			●		●			●		38
TK2/2	●	●		10	2			●		●			●		38
DP3/E	●	●		14	3			●		●			●		39
DP9/E	●	●		12	4,5			●	●	●			●		39
DP12/E	●	●		15	5			●	●	●			●		39
UP2-P	●	●		10	1,5			●			●				41
UP2-PV	●	●		10	1,5			●							41
UP3-P	●	●		15	2			●			●				41
UP3-PV	●	●		15	2			●							42
UP6-P	●	●		26	2			●			●				42
UP6-PV	●	●		26	2			●							42
UP12-P	●	●		36	2			●			●				43
UP12-PV	●	●		36	2			●							43
UP14-P	●	●		46	2			●			●				43
UP14-PV	●	●		46	2			●							44
UP9-P	●	●		12	4			●	●		●				44
UP10-P	●	●		18	7			●	●		●				44
UP1-J	●	●		28	1			●			●				46
UP1-JS	●	●		28	1			●			●				46
UP1-JR	●	●		28	1			●			●				46
UP1	●	●		35	1,2			●			●				47
UP1-M	●	●		45	1,5			●			●				47
UP1-B	●	●		45	1,5			●			●				47
UP1/AC			●	30	1			●							48
UP500	●	●		32	0,4			●							50
UP1000	●	●		63	0,4			●							50
UP1500	●	●		95	0,4			●							50
UP2000	●	●		126	0,5			●							51
UP3700	●	●		233	0,5			●							51
UP2	●	●		10	1,5	●					●				53
UP3	●	●		15	2	●					●				53
UP3-CK	●	●		15	2	●					●	●			53
UP3-S	●	●		15	2	●					●				54
UP3-R	●	●		15	2	●					●				54
UP6	●	●		26	2	●					●				54
UP12	●	●		36	2	●					●				55
UP14	●	●		46	2	●					●				55
UP9	●	●		12	4	●			●		●				55
UP10	●	●		18	7	●			●		●				56
UP3/AC			●	10	6	●			●						56
UP6/AC			●	28	5	●			●						57
UP14/AC			●	44	4	●			●						57

Tipo Type	12V	24V	220V	Portata l/min Flow Rate l/min	Pressione bar Pressure bar	Diesel	Olio Oil	Acqua e Soluzioni Water and Fluids	Alta Pressione High Pressure	Elettroniche Electronic	Controllo Remoto Remote Control	Reversibile Reversible	Kit	Acciaio Inox Stainless Steel	Pagina Page
VP45-N	●	●		45	1,2	●									59
VP45	●	●		45	1,2	●						●			59
VP45-S	●	●		45	1,2	●									59
VP45-K	●	●		45	1,2	●						●			60
VP45/AC			●	35	1	●									60
UP2/OIL	●	●		3,3	1,5		●				●				63
UP3/OIL	●	●		5,5	2		●				●				63
UP3/OIL-R	●	●		5,5	2		●				●				63
OCK1	●	●		5,5	2		●				●	●			64
OCK1-R	●	●		5,5	2		●				●	●			64
UP6/OIL	●	●		8	4		●				●				64
UP12/OIL	●	●		15	3		●				●				65
UP14/OIL	●	●		18,3	2		●				●				65
UP3-RK	●	●		15	2	●	●			●	●	●			66
UP6-RK	●	●		26	2	●	●			●	●	●			66
OCK1-E	●	●		15	2	●	●			●	●	●	●		67
OCS3/E	●	●		10	2		●			●	●				67
OCS5/E	●	●		10	2		●			●	●				67
OCS6/E	●	●		15	2		●			●	●				68
OCS9/E	●	●		15	2		●			●	●				68

Prodotti e caratteristiche tecniche aggiornate a Settembre 2017.

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