

Europump fresh water pumps



Europump 4 low-consumption fresh water pump



It can feed 2 taps at the same time.
Fitted with circuit breaker against overloads.
It can run dry without damage.

Code	Pressure switch		Flow l/min	Current draw A	Hose adaptor Ø mm	Overall dimensions mm	Spare pressure switch
	version	calibrated at					
16.503.12	automatic	2,8 BAR/40 PSI	3,8	2,6	10	170x100x60	16.540.01



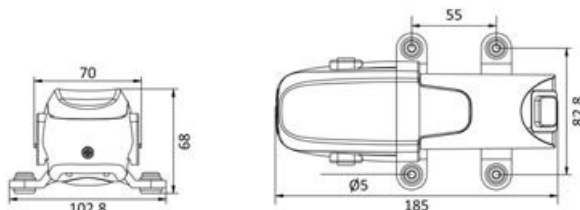
Europump 4 New Generation fresh water pump

IP 54

It can serve two outlets. Overload protection. It can run dry without getting damaged. IP54 watertight. Self-priming up to 1,5 metres. Pulsation-dampening by-pass system.



Code	V	Flow l/min	Current draw A	Working pressure bar	Snap hose mm
16.501.12	12	5,6	4,5	2,8	10



Europump 3-diaphragm self-priming fresh water pump



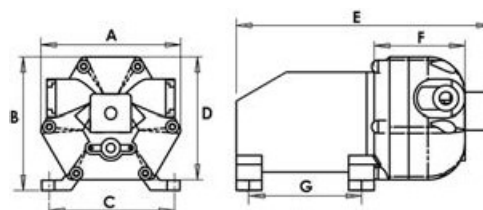
It can run dry without damage, no vibrations, very quiet.
Fitted with internal bypass for inlet pressure control. Permanent magnet motor with self-lubricating shaft. Circuit breaker against unwanted overheating.
4 plug-in fittings (2 x 1/2" threads + 1 x 14-mm straight hose adaptor + 1 x 14-mm 90° hose adaptor) and **plug-in inlet strainer**,

Code	Type	V	Flow l/min	Current draw A	Operating pressure bar	mm						
						A	B	C	D	E	F	G
16.509.12	Europump "8"	12	8	5	2	110	106	77	98	240	85	59
16.510.12	Europump "11"	12	11	6	3	110	106	77	98	240	85	59

16.540.03 Spare pressure switch for 16.509.12

16.540.04 Spare pressure switch for 16.510.12

16.533.01 Spare filter



Europump 4-diaphragm self-priming fresh water pump



It can run dry without damage, no vibrations, very quiet.
Fitted with internal bypass for inlet pressure control.
Permanent magnet motor with self-lubricating shaft.

The 4-diaphragm system prevents the pulsations that usually occur in the other fresh water pumps with a semi-open tap.

4 plug-in fittings (2 x 1/2" threads and 2 x 14-mm with 1/2" hose adaptors) and a **plug-in inlet strainer**.



Code	Type	V	Flow l/min	Current draw A	Operating pressure bar	mm	Spare parts	
							Pressure switch	Filter
16.512.12	Europump 12	12	12,5	4	2,45	213x105x95	16.540.01	16.533.01
16.512.24	Europump 12	24	12,5	2	2,45	213x105x95	16.540.01	16.533.01
16.518.12	New Europump 18HF	12	20	9	2,8	257x105x95	16.540.05	16.533.01
16.518.24	New Europump 18HF	24	20	4,5	2,8	257x105x95	16.540.05	16.533.01



Europump combined fresh water pump and accumulator tank

CE The system includes a 4-diaphragm fresh water pump fitted with a 1-litre stainless steel accumulator tank and an inlet strainer.
280x260-mm base made of sturdy ABS size.
Mounting by means of 4 vibration-damping grommets.
1/2" inlet fittings or 14-mm hose adaptors, 1/2" female outlet fitting.

Code	V	Flow l/min	Installed fresh water pump	SS tank
16.506.03	12	12	Europump 16.512.12	16.126.01



Europump Washdown pump for deck washing

CE It combines a fresh water pump 16.517.24 fitted with strainers and a trigger nozzle 36.189.00 + 36.189.01 + 36.189.02.
Ideal for washing decks, bilges, anchors, sterndrive units and propellers.
Strainer and 4 fittings.

Code	V	Spare parts	
		pressure switch	filter
16.520.12	12	16.540.02	16.533.01
16.520.24	24	16.540.02	16.533.01



Washdown kit

It includes:
- 1 x high-pressure 4,2-bar 5-diaphragm fresh water pump.
- 1 x strainer.
- 1 x trigger nozzle.
- 2 x 12-mm hose adaptors.
- 1 x 7,5-m self-coiling hose.
It also works with salt water.

Code	V	Flow l/min	Current draw A	Pressure bar
16.521.12	12	21.18	17	4,8
16.521.24	24	21.18	10	4,8

OSCULATI



Europump 4-diaphragm self-priming bilge pump

CE UK CA It can run dry without damage. Also ideal as drain pump for grey water tanks.
Strainer + 4 fittings (2x1/2" threads + 2x14-mm with 1/2" hose adaptor).

Code	V	Flow l/min	Current draw A	Mounting top level	mm	Spare filter
16.525.12	12	17	9.2	up to m 1.80 above the level	240x105x95	16.533.01
16.525.24	24	17	5.6	up to m 1.80 above the level	240x105x95	16.533.01

OSCULATI



Europump water circulation pump

CE UK CA Used in heat exchangers, fridge systems and air cooling systems.
Ideal as delivery pump for watermakers.
Silent, low consumption, **Strainer + 4 fittings.**

Code	V	Flow l/min	Current draw A	mm	Spare filter
16.530.12	12	6	1.2	200x105x95	16.533.01
16.530.24	24	6	0.6	200x105x95	16.533.01

Europump Aquatec Sensor 4-diaphragm fresh water pump

Electronic system keeping the pressure constant but allowing the water flow variation **avoiding pulsations** by opening the tap.

Code	V	Flow l/min	Max current draw A	Max pressure bar	mm	OPTIONAL filter
16.514.00	12/24	13.5	7	35 PSI/2.45 BAR	238x114x104	16.544.10

Snap hose connection. 2 x 1/2" hose adaptors + 2 x 5/8" straight and elbow hose adaptors (total 4 pcs) included



New **Europump Smart 5-diaphragm fresh water pump**

VARIABLE SPEED

Fresh water pump fitted with an electronic system that adjusts the motor speed to the water flow demand without generating any pulsations. Very silent yet having an elevated suction capacity. It can run dry for maximum reliability. Fitted with 3/4" straight hose connector, 3/4" 90° elbow hose connector, 1/2" thread fitting and 3/4" quick coupling filter.

Code	V	Flow l/min	Current draw A	Max pressure PSI/bar	mm
16.515.12	12	18.9	10	70/4.8	-
16.515.24	24	18.9	5.5	70/4.8	-

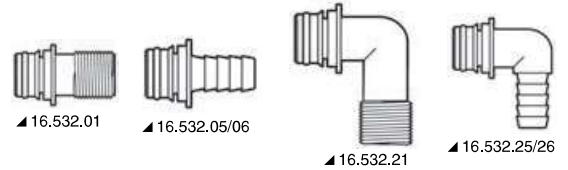


Europump plug-in quick fittings



Plug-in quick fittings for Europump pumps and fresh water pumps

Code	Type	Code	Type
16.532.01	1/2" straight thread	16.532.21	1/2" 90° thread
16.532.05	14mm Ø straight	16.532.25	Ø 14mm 90°
16.532.06	19mm Ø straight	16.532.26	Ø 19mm 90°



Europump spare pressure switch for fresh water pumps

Pressure switch for Europump fresh water pumps



Code	For pumps
16.540.01	16.506.03; 16.503.12; 16.512.12; 16.512.24
16.540.02	16.517.24; 16.520.12; 16.520.24
16.540.03	16.509.12
16.540.04	16.510.12
16.540.05 New	16.518.12; 16.518.24



Europump strainers

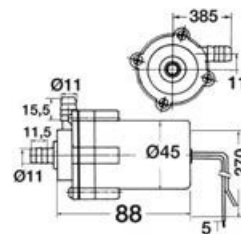
16.533.01 Spare strainer with stainless steel mesh. Plug-in mounting into the pump, quick fittings series 16.532.XX. Also suitable for Flojet and Jabsco pumps.



Centrifugal pump for sinks

To be installed flush with the tank base. Non self-priming.

Code	V	Flow l/min	Head m	Hose adaptor Ø mm	mm
16.184.74	12	6.6	2	11	88x45



WHALE fresh water pumps



WHALE Watermaster fresh water pump

IP65

An evolution of the Universal model, the Watermaster 4-diaphragm pump with automatic pressure switch is even quieter and gives high flow rates for systems up to 4 taps. IP65 rated fully sealed protective motor housing. Self-priming up to 3 metres, it works well in dry mode or in salt water. Fitted with a third wire to be connected to a warning light indicating operation. Inlet strainer.

Code		V	Flow l/min	Current draw A	Pressure Bar	Inlet/Outlet fittings
RETAIL (1pcs)	BULK (10pcs)					
-	16.700.12	12	8	4	2	quick fitting for 15-mm hose
16.700.15	16.700.13	12	11,5	8	3	quick fitting for 15-mm hose

- ▲ 16.700.19 Inlet strainer
- ▲ 17.815.87 Fittings for 1/2" male outlet.



WHALE Universal fresh water pump

Very quiet pump. Three models available for 2, 4 and 6 outlets or showers (8, 12 or 18 l/min flow), smooth constant flow, it can run dry without damage, extra protection and safety with wires and pressure switch housed internally, self-priming up to 3 metres, swivelling feet adapt to any existing installation bores. All models include quick fitting strainer. Suitable for use with salt water.

Code	V	Flow l/min	Current draw A	Bar	Inlet	Outlet
16.700.01	12	8	5	3	15-mm quick fitting	15-mm quick fitting
16.700.02	12	12	8	3	15-mm quick fitting	15-mm quick fitting
16.700.04	12	18	12	3	15-mm quick fitting	3/4" male thread
16.700.05	24	18	8	3	15-mm quick fitting	3/4" male thread

- ▲ 16.700.19 Inlet strainer
- ▲ 17.815.87 Fitting for BSP 1/2" male threaded outlet.
- ▲ 17.815.40 Joint for 3/4" female threaded outlet.

Easy installation - suitable for 15mm quick connect plumbing direct connection (Whale, John Guest and similar)



WHALE combined fresh water pump and accumulator tank

The system includes one 4-diaphragm fresh water pump fitted with a 1-litre stainless steel accumulator tank and inlet strainer. 280x260-mm base made of sturdy ABS. Mounting by means of 4 vibration-damping grommets, 15-mm inlet and outlet quick fittings.

Code	V	Flow l/min	Installed fresh water pump	SS tank
16.506.01	12	12	WHALE 16.700.02	16.126.01
16.506.02	24	18	WHALE 16.700.05	16.126.01



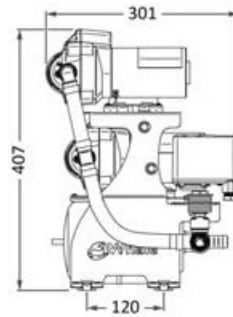
WHALE Water System quiet automatic fresh water pump

8-litre accumulator tank. Very compact and fitted with support for easy installation. It can run dry without damage.

Code	V	Flow l/min	Current draw A	Quick fitting Inlet/Outlet mm	Pressure bar	Head m	Inlet max	mm
16.701.12	12	12	8	15	3	20	3	200x300x350
16.701.24	24	18	8	15	3	30	3	200x300x350

WHALE high-flow rate fresh water pump

- Two pumps and an accumulator tank ensure a constant water flow rate up to 8 outlets.
- The efficient control systems activates one or two pumps depending on the flow rate required.
- The accumulator tank reduced noisiness and vibration by avoiding the pumps to repeatedly switch on and off.
- The industrial-type external pressure switches have sparkle protection and relays are not needed.
- Retrofitting or installation on new equipment
- Pre-assembled kit for quick installation includes: 2 integrated pumps, 2 external pressure swithoes, 2 strainers, 1 accumulator tank, mounting brackets and fittings.
- Mounting brackets with vibration-damping feet for reduced dimensions at the base.



Code	V	Flow rate l/min	Accumulator tank	Max current draw A	Pressure bar	Inlet/outlet quick coupling mm	Outlets	Max inlet m
16.702.12	12	24	2 litres	10	3	19	up to 6	3
16.703.24	24	32	2 litres	8	3	19	up to 8	3

WHALE washdown pump

3-bar (45 PSI) high flow pump 16.700.04; 16.700.05 (18 l/min) + trigger nozzle with plug-in fitting 36.189.00; 36.189.01; 36.189.02.



Code	V	bar
16.700.06	12	3
16.700.07	24	3

JABSCO - FLOJET fresh water pumps



FLOJET self-priming fresh water pump fitted with 3 valves

3-diaphragm version, it can run dry without damage. Quiet operation, **pulsation-dampening** bypass. 4 fittings (2 x 1/2" threads and 2 x 14-mm with 1/2" hose adapters) and inlet strainer.



Code	V	Flow l/min	Current draw A	PSI	mm
16.206.12	12	2,5/7,5	1,9	22	101x101x152
16.207.12	12	2,5/11	2,9	22	127x127x152

FLOJET self-priming fresh water pump fitted with 4 valves

It can run dry without damage. **4-diaphragm** inlet system to prevent vibrations. Special internal bypass that protects the pump against incoming overpressure when the pump is connected to the ground water supply network. Permanent magnet motor fitted with shaft bearing.



Code	V	Flow l/min	Current draw A	Self-priming up to m	Fittings	mm
16.440.50	12	From 3,8 to 14,7	2,8	1,80	1/2" threaded bayonet fittings	97x156x207

JABSCO Washdown Par-Max 6 Plus pump kit

Ideal for washing down, this kit includes a Par-Max HD6 pump (increased pressure 4.8 bar), a 90°-strainer and a trigger nozzle.



Code	V	Flow l/min	Max current draw A	Max pressure bar	Fuse A	Fittings	mm
16.437.01	12	23	20	4,8	25	2 x 3/4" hose adapters + GHT 3/4" adapter	259x119x129
16.437.02	24	23	10	4,8	15	2 x 3/4" hose adapters + GHT 3/4" adapter	259x119x129

JABSCO Par-Max HD fresh water pump

Constant flow, very silent, self-priming up to 3 m, sealed manostat tested for up to 4 million cycles. The pump can run dry without getting damaged. IPX6 watertight in compliance with ISO 8846 standards. Fitted with 1/2" snap fittings.



Code	V	Flow l/min	Max current draw A	Max pressure bar	Fuse A	mm
16.436.01	12	15	10	2,8	15	259x119x129
16.436.02	24	15	5	2,8	10	259x119x129
16.436.03	12	23	15	2,8	25	259x119x129
16.436.04	24	23	7	2,8	15	259x119x129

Pressure switch for FLOJET fresh water pumps (switch assembly)

Code	For pumps
16.901.04	16.440.50
16.901.18	-
16.901.21	16.207.12

Spare fittings for FLOJET pumps



Code	Size	Type	ORDER BY BOX
16.204.06	1/2"	hose adaptor for clamp mounting	2
16.204.07	1/2"	thread	2

FLOJET washable water strainers

Version A: plug-in right-angle fittings for the FLOJET pump inlet. 40-mesh strainer for fresh water and general purposes.

Version B: in-line fittings and fastening support. **Universal** size for any pump or fresh water pump.



Code	Version	Fittings	mm
16.408.02	A	plug-in fitting + 19mm hose adaptor	70x57
16.408.03	A	plug-in fitting + 1/2" thread adaptor	70x57
16.408.05	B	2 x 12mm fittings	70x57
16.408.06	B	2 x 19mm fittings	70x57

Fresh water pumps



MARCO high-pressure washdown kit

Ideal for washdown operations with fresh and salt water.

It includes:

- High-pressure self-priming electropump with electronic control and PEEK helical gears.
- 15-m extensible hose.
- Snap-in spray nozzle, jet lock, check valve and trigger to adjust the flow.

Code	Initials	V	Max flow rate l/min	Current draw A	Pressure bar	Fuse	mm
16.082.01	DP12/E	12/24	15	24	6	25	242x212 x113



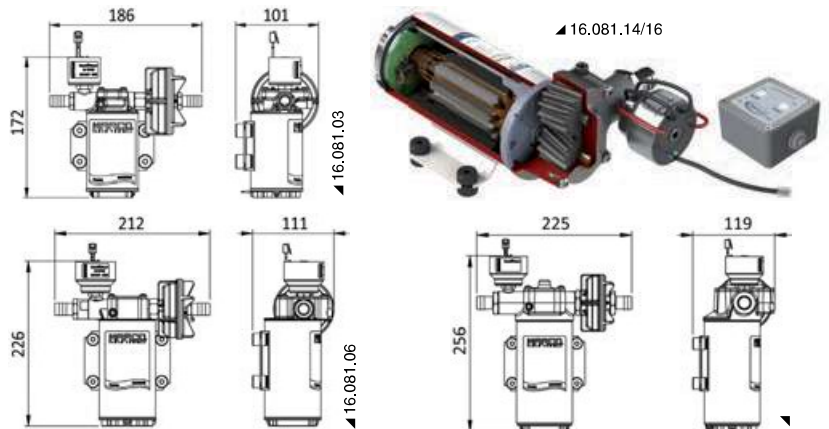
MARCO electronically-operated automatic fresh water pump

INTEGRATED FLANGE

Self-priming with PEEK helical gears. Pressure, current and voltage constant control. Automatic stop when running out of liquid.

Nickel-plated brass body, stainless steel shaft, FKM seals. The engine progressively increases its revolutions to reach the required flow and ensure long working cycles, lower noisiness and consumption optimization. The pump is fitted with circuit breaker and overvoltage protection devices. A protection system engages after 90 seconds of dry running.

Code	Initials	V	Max flow l/min	Current draw A		Pressure bar	Control panel	
				12V	24V			
16.081.02	UP2/E	12/24	10	3/6	1.5/3	2	-	-
16.081.03	UP3/E	12/24	15	4/8	2/4	2.5	16.081.20	OPTIONAL
16.081.06	UP6/E	12/24	26	5/15	2.5/7.5	2.5	16.081.20	OPTIONAL
16.081.12	UP12/E	12/24	36	20/32	10/16	2.5	16.081.20	OPTIONAL
16.081.14	UP14/E	12/24	46	17/33	8.5/17	2.5	16.081.20	INCLUDED
16.081.16	UP14/E	24	46	-	8/13	3.5	16.081.20	INCLUDED



MARCO electronically-operated double fresh water pump



Double version with two electronically-operated pumps working in parallel. If one of the pumps breaks down, water delivery isn't cut off because the other pump is still operating. Motor speed adapting to the flow. Reduced current draw and noise levels. No accumulator tank. Fitted with overvoltage protection device and a locking system against dry running. The pump operation can be monitored by means of 2 LED lights.

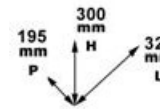
Code	Type	V	Max flow rate l/min	Current draw A		Pressure bar	←→ mm	2 control panels
				12 V	24 V			
16.047.35	UP6/E-DX	12/24	52	16	8	2.5	282x300x235	16.081.20 INCLUDED
16.047.37	UP14/E-DX	24	92	-	18	3.5	295x300x265	16.081.20 INCLUDED



CEM fresh water pump with bronze body and accumulator tank

Bronze pump unit also suitable for use with salt water such as washdown. Stainless steel accumulator tank. Self-priming pump. A check valve needs to be mounted onto the inlet pipe. Fitted with pressure switch and relay.

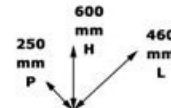
Code	V	Flow l/min	Motor				Pressure switch setting bar	Hose adaptor	Tank l	kg
			HP	W	rpm	A				
16.061.24	24	36	0,65	480	3000	22	1,4-2,8	1"	2	25



CEM fresh water pump with accumulator tank

Stainless steel pump unit and accumulator tank. Self-priming pump. A check valve needs to be mounted onto the inlet pipe. Fitted with pressure switch and relay.

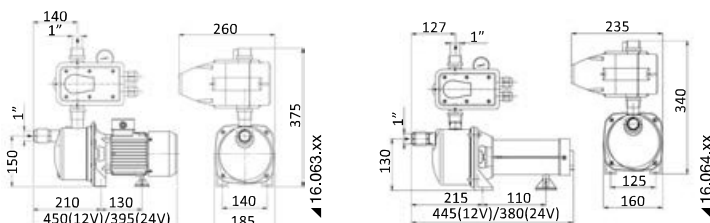
Code	V	Flow l/min	Motor				Max pressure bar	Pressure switch setting bar	Hose adaptor	Tank l
			HP	W	rpm	A				
16.062.24	24	50	0,8	600	2600	28	4,8	1,4-3,0	1"	20



CEM electronically-operated fresh water pump

Stainless steel pump unit. Self-priming pump. EPC (Electronic Pressure Control) system:
 • Pump automatic stop when water supply has run out (to prevent the pump from running dry)
 • Operation constant monitoring by means of warning lights: green light "Line"= pump on; red light "Failure": pump off due to fault (e.g. running out of water).
 • Constant pressure during water supply.
 • Reduced overall dimensions in comparison with traditional fresh water pumps with tank.

Code	V	Flow l/min	Head m	Motor				Hose adaptor	kg
				HP	W	rpm	A		
16.064.12	12	55	28	0,4	300	2200	33	1"	7
16.064.24	24	55	30	0,5	400	2600	16	1"	7
16.063.12	12	50	30	0,7	520	2400	40	1"	11,5
16.063.24	24	50	38	0,8	600	2600	28	1"	11,5



▲ 16.063.xx



▲ 16.064.xx

Accumulator tanks



Universal accumulator tank for fresh water pumps

Made of ABS, it can be retrofitted to any fresh water pump on the market. It prevents the typical pulsations when the tap is opened at a minimum rate.

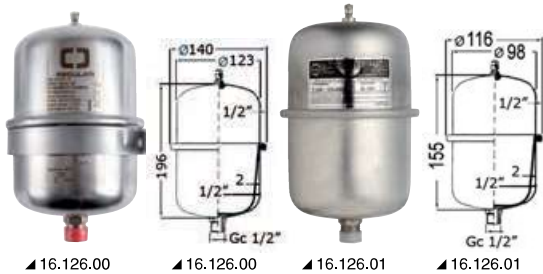
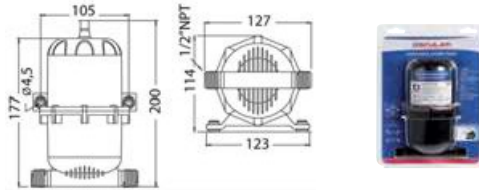
Code	Flow l	Max pressure	Hose adaptor
16.125.00	1	6,07 BAR	1/2" female



Accumulator tank

Made of ABS.

Code	Volum l	Max pressure	Fittings	Hose adaptors included
16.127.00	0,75	8,6 bar	1/2"	2 to 13 mm



Universal accumulator tank for fresh water pumps and water heaters

It prevents the hammering effect when taps aren't opened at the maximum rate and when hot water volume increases in the water heaters. Polished stainless steel body and butyl diaphragm.

Code	Fitting	Flow rate l	Working pressure bar	Ø mm	Height mm	OPTIONAL in-line hydraulic joints	Bracket
16.126.00	1/2"	2	1/10	130	196	17.318.02; 17.115.07	Yes
16.126.01	1/2"	1	1/10	116	155	17.318.02; 17.115.07	No

Europump submersible bilge pumps

Europump II submersible bilge pump



CE certified by RINA in compliance with Law 94/25, directive ISO 8846

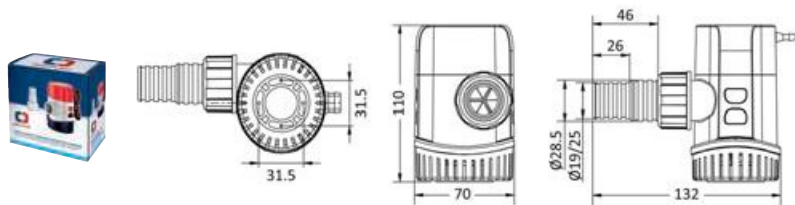
Code	Europump model	V	Flow l/min		Current draw A	Max Head m	Base Ø mm	Height mm	Hose adaptor Ø mm
			Max	with 2m head					
16.122.02	550	12	32	25	4	4,50	60	93	19
16.122.05	800	12	51	25	5,5	4,50	88	120	19
16.122.06	1000	12	64	30	5,5	4,50	88	120	29
16.122.07	1000	24	64	30	3,5	4,50	88	120	29
16.122.04	1100	12	60	32	5	4,50	60	107	29
16.122.10	1500	12	96	46	8	3,10	120	150	29
16.122.11	1500	24	96	46	5	3,10	120	150	29
16.122.14	2000	12	128	65	11	3,50	120	150	29
16.122.15	2000	24	128	65	6	3,50	120	150	29
16.122.18	3000	12	192	100	13	6,00	132	180	32
16.122.19	3000	24	192	100	8	6,00	132	180	32



Europump Next Generation submersible bilge pump

CE-certified in compliance with the **ISO 8846/8849** directive.
Extremely compact in size, fitted with backflow **check valve**.
Removable hose connector adjustable at 360°.

Code	V	Model	Flow l/min	Current draw A	Head m	Ø-Hose adaptor mm	90° Hose adaptor Ø 29 mm OPTIONAL
16.128.01	12	600	38	2.5	2.5	19/29	16.128.00
16.128.05	12	1100	70	4.0	4	25/29	16.128.00
16.128.06	24	1100	70	2.5	4	25/29	16.128.00



OSCOLATI



Europump II automatic bilge pump

Very compact, with built-in electronic level sensor.
ABS body, stainless steel shaft. Reduced current draw.
Removable from plug-in base. CE certified by RINA in compliance with Law 94/25, directive ISO 28846/28849.

Code	Type	V	Flow l/min	Current draw A	Head m	Hose adaptor (Ø A) mm
16.124.01	G600	12	38	2.5	2.5	19
16.124.03	G750	12	48	3	3	19
16.124.04	G750-24	24	48	1.6	3	19
16.124.05	G1100	12	70	4.0	3.2	29
16.124.06	G1100-24	24	70	2.0	3.2	29

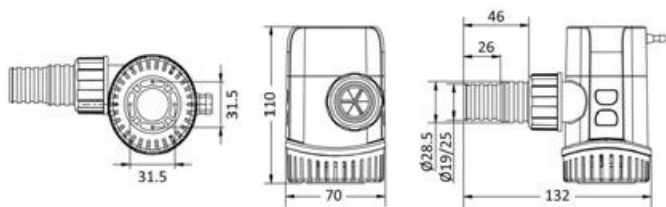
OSCOLATI



Europump Next Generation automatic submersible bilge pump

CE-certified in compliance with the **ISO 8846/8849** directive.
Compact in size, fitted with an electronic timer sensing automatic system to check the presence of water every 2.5 minutes for a duration of 0.5 seconds.
Removable hose connector adjustable at 360°.
Fitted with backflow **check valve**.

Code	V	Model	Flow l/min	Current draw A	Head m	Hose adaptor Ø mm	OPTIONAL 29-mm Ø 90° hose adaptor
16.129.01	12	600	38	2.5	2.5	19/29	16.128.00
16.129.03	12	750	51	3.5	3.0	19/29	16.128.00
16.129.04	24	750	51	2.0	2.0	19/29	16.128.00
16.129.05	12	1100	70	4.0	4.0	25/29	16.128.00
16.129.06	24	1100	70	2.5	2.5	25/29	16.128.00



OSCOLATI



Europump II automatic bilge pump

Manufactured in compliance with Law 94/25 and the Directive ISO 8846.
The pump activates when the bilge water level is 7 cm and stops when water has been totally drained.
CE certified by RINA in compliance with Law 94/25, directive ISO 28846/28849.

Code	Type	V	Flow l/min	Current draw A	Head m	Hose adaptor Ø mm	mm
16.122.30	A-1500	12	96	8	4	29	150x150x100
16.122.32	A-2000	12	128	11	4	29	150x150x100
16.122.33	A-2000	24	128	6	4	29	150x150x100

OSCOLATI



Submersible pumps



Elephant automatic bilge pump

CE certified in compliance with Directive ISO 8846. Permanent-magnet motor, stainless steel shaft, watertight sealing electrical cables. It can be run in automatic or manual mode. Removable from plug-in base.

Code	Model	V	Flow l/min	Current draw A	Hose adaptor mm	mm
16.123.01	500	12	32	1,8	19	151x78x105
16.123.02	750	12	50	3	19	151x78x105
16.123.03	1100	12	75	4	29	151x78x105
16.123.04	1100	24	75	2,2	29	151x78x105



Maxi submersible bilge pump

Made in compliance with the CE/ISO 8846-8849 standard. Silent, it can be pulled out of its base to be cleaned and can be automated by installing whatever circuit breaker having at least 20A power.

Code	Model	V	Max flow l/min	Current draw A	Max head m	Base Ø mm	Height mm	Hose connector B Ø mm
16.122.35	3500	12	221	16	8	139.5	182	40
16.122.36	3500/24	24	221	8	8	139.5	182	40
16.122.47	4700	12	296	17	8	139.5	182	50



New Maxi submersible bilge pump

Made in compliance with the CE/ISO 8846-8849 and RoHS standards. Silent, the stainless steel shaft and valve prevent water backflow and jamming due to air pockets. The strainer can be pulled out to be easily cleaned.

With the new quick coupling system, the motor can be pulled out without disconnecting the base and the hydraulic connections. It can be automated by installing whatever circuit breaker having at least 20A power.

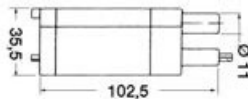
Code	Model	V	Max flow l/min	Current draw A	Max head m	Base Ø mm	Height mm	Hose connector B Ø mm
16.122.46	4700/24new	24	296	8	6,5	120	187	52



WHALE submersible pump

For suction or transfer of fresh or salt water.

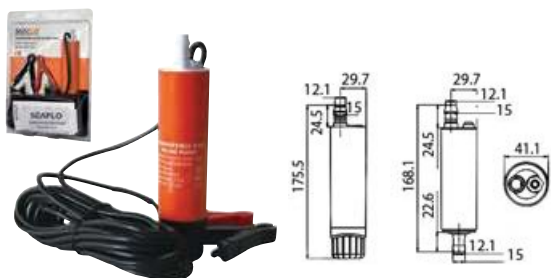
Code	V	Flow l/min	Current draw A	Hose adaptor mm	Use
16.921.40	12	11	3	10/13	to be fitted into the tank
16.921.41	24	11	1,6	10/13	to be fitted into the tank
16.921.42	12	11	3	dual 10/13	in line
16.921.43	24	11	1,6	dual 10/13	in line



CARAVAN centrifugal submersible pump

Designed to be fitted into water cans.

Code	V	Flow l/min	Current draw A	Head m	Hose adaptor Ø mm
16.101.00	12	18	2	2	11



Submersible centrifugal pump

It pumps both water and diesel. Its cylindrical shape (41-mm Ø) can be easily fitted in jerrycans and tanks.

It can turn continuously up to 20 minutes. It comes with 5-m cable and adjustable pliers.

Code	V	Flow l/min	Current draw A	Head m	Hose connector Ø mm	mm
16.105.13	12	18	4,5	10	12	175,5x41,1

Europump bilge pump

Very small bilge pump ideal for installation in confined spaces.


Code	Model	V	Max flow l/min	Current draw A	Head m	Inlet Ø mm	↔ Ø x h mm
16.613.60	300GPH	12	19	2.0	1.5	19	66x97



ATTWOOD Tsunami Mk2 bilge pump

Features:

- Patented X-Air™ Impeller: Prevents air locking so that the pump will not run dry and burn out.
- Flexible Outlets.
- Single-Hand Pump Cartridge Release.
- Exterior Mounting Feet: Eliminates the need to remove the basket.
- Retrofits footprint for existing bilge pump.
- No Pipe Or Hose Removal Required: Reduces the time that it takes to replace the cartridge.
- Tricuspid Check Valve: Helps prevent the water from backflowing through the pump.


Code	Type		Model	V	Flow l/min	↔ AxB mm	Ø straight and 90° hose connection mm
16.492.01	RETAIL	1	T500	12	28	93x91	19/25
16.492.02	RETAIL	1	T800	12	42	110x101	19/25
16.492.03	RETAIL	1	T1200	12	52	112x101	25/32
16.492.05	RETAIL	1	T1200	24	52	112x101	25/32



ATTWOOD Sahara Mk2 automatic bilge pump

Features:

- Patented X-Air™ Impeller: Prevents air locking so that the pump will not run dry and burn out.
- Flexible Outlets.
- Single-Hand Pump Cartridge Release.
- Exterior Mounting Feet: Eliminates the need to remove the basket.
- Retrofits footprint for existing bilge pump.
- No Pipe Or Hose Removal Required: Reduces the time that it takes to replace the cartridge.
- Improved engine cooling.

Code	Type		Model	V	Flow l/min	Ø of straight and 90° hose connector mm	Hose connector	
							straight	90°
16.490.01	RETAIL	1	S500	12	26	19/25	INCLUDED	INCLUDED
16.490.02	RETAIL	1	S800	12	39	19/25	INCLUDED	INCLUDED
16.490.03	RETAIL	1	S1200	12	69	25/28	INCLUDED	INCLUDED
16.490.05	RETAIL	1	S1200	24	69	25/28	INCLUDED	INCLUDED
16.490.01BU	BULK	12	S500	12	26	19/25	16.491.91*	16.491.92*
16.490.02BU	BULK	12	S800	12	39	19/25	16.491.91*	16.491.92*
16.490.03BU	BULK	12	S1200	12	69	25/28	16.491.93*	16.491.94*

* Hose connection to be ordered, 12-pcs-package.



ATTWOOD Heavy-Duty bilge pump

CE certified in compliance with ISO 28846/28849. The **unsurpassed durability** of this pump makes it also suitable for **commercial vessels**. Features: parabolic chamber that cools the motor with ejected water; **high power** permanent magnet motor, composite brushes, permanent lubrication bearings; the pump can be easily removed from the base with just one hand; thermo-plastic impeller improves durability and extends motor life; two **independent shafts** between motor and impeller avoid water leaks into the motor.

Code	Model	V	Flow l/min			Current draw A	Max head m	Fuse A	Inlet Ø mm
			m 0	m 1	m 2				
16.504.12	1700	12	96	71	51	5.7	3.6	10	28
16.505.12	2000	12	130	102	79	6.6	4.81	12	28
16.505.24	2000	24	130	102	79	3.5	4.81	7	28



WHALE bilge pumps

WHALE Orca bilge pump



High performance, simple installation, very compact design easily maintained, hydrocarbon-resistant ABS body, large built-in strainer on the case, great flow even with debris. CE certified in compliance with Directive ISO 8849, 3-year warranty.



Code	Model	V	Current draw A	Hose adaptor	Max head m	mm
16.550.12	500 GPH	12	1.5	3/4" (19 mm)	3	83x102x78.5
16.551.12	950 GPH	12	3.5	1 1/8" (25 and 28.5 mm)	3.5	109x135x103
16.552.12	1300 GPH	12	5	1 1/8" (25 and 28.5 mm)	4.5	129x168x121
16.552.24	1300 GPH	24	2.5	1 1/8" (25 and 28.5 mm)	4.5	129x168x121



WHALE Orca automatic bilge pump

Submersible pump with built-in electronic lever sensor. Simple installation by means of two screws on the bottom, no external part to connect. Hydrocarbon-resistant ABS body with snap opening. Compact size, large inlet surface area. In compliance with ISO8849.

Code	Model	V	Flow l/min	Current draw A	Max head m	Hose adaptor Ø mm	mm
16.553.12	Auto 1300 GPH	12	82	5	4.5	25 - 28	129x168x121
16.553.24	Auto 1300 GPH	24	82	2.5	4.5	25 - 28	129x168x121



WHALE Supersub submersible bilge pump

Vertical and horizontal mounting. Low narrow design for confined bilge spaces. Low power consumption. Snap-fit assembling/disassembling of the pump and strainer for easy cleaning. It drains down to as little as 10 mm.

Code	V	Flow l/h at 0/1/2 m	Current draw A	Mounting	Hose adaptor mm
16.360.02	12	32/25/15	2.5	Horizontal/vertical	19



16.360.03/93/94

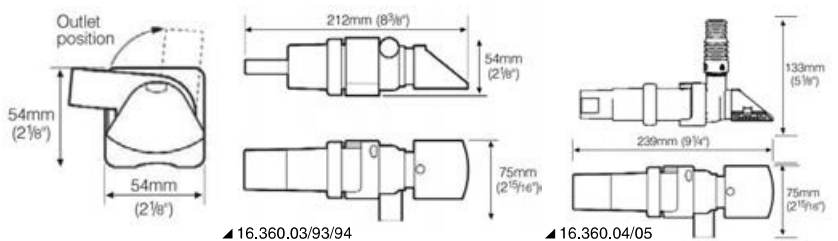


16.360.04/05

WHALE Supersub Smart submersible automatic bilge pump

Low profile automatic pump for confined bilge spaces. Built-in field sensor switch, no maintenance required. Excellent operation even in case of dirt, oil, fuel, etc. Easy access to strainer.

Code			Model	V	Flow l/min at 0/1 m	Current draw A	Hose adaptor mm
RETAIL (1pcs)	BULK (10pcs)	BULK (20pcs)					
16.360.93	-	16.360.03	650 GPH	12	40/34	3.4	19
16.360.94	16.360.04	-	1100 GPH	12	66/45	5	25-28
-	16.360.05	-	1100 GPH	24	66/45	2.2	25-28



16.360.03/93/94

16.360.04/05

RULE submersible pumps



RULE New Generation submersible bilge pump

This pump integrates the following devices:

- 1 - Streamlined impeller. High flow and low current draw.
- 2 - Built-in circuit breaker.
- 3 - Check valve (except 16.483.12/16.482.12) to avoid backflow from the drain hose.
- 4 - Vent integrated in the pump body to prevent air bubbles in the circuit and to work in pair with the check valve.
- 5 - Drain threaded hose adaptors for easy installation.

Code	Model	Rule Code	V	Flow l/min		Current draw A	Base Ø mm	Height mm	Hose adaptor mm
				Max	1.5-m head				
16.470.12	360	24DA	12	28	15	2,1	64	99	19 (3/4")
16.471.12	500	25DA	12	36	19	1,6	64	99	19 (3/4")
16.471.24	500	25DA-24	24	36	19	1	64	99	19 (3/4")
16.472.12	800	20DA	12	64	35	3,4	64	111	19 (3/4")
16.472.24	800	20DA-24	24	64	35	1,7	64	111	19 (3/4")
16.482.12	800 auto	20SA	12	64	35	3,4	64	111	19 (3/4")
16.473.12	1100	27DA	12	74	40	3,7	64	111	25/29 (1" - 1" 1/8)
16.473.24	1100	27DA-24	24	74	40	1,9	64	111	25/29 (1" - 1" 1/8)
16.483.12	1100 auto	27SA	12	74	40	3,7	64	111	29 (1" 1/8)



RULE 1500 and 2000 submersible pump

Standard model.

Code	Model	V	Flow l/min	Current draw A	Height mm	Base Ø mm	Inlet Ø mm	kg
16.114.60	1500 (02)	12	100	4,8	150	110	29	1
16.114.61	1500 (03)	24	100	2,3	150	110	29	1
16.115.60	2000 (10)	12	135	8,4	150	110	29	1,2
16.115.61	2000 (12)	24	135	4	150	110	29	1,2



RULE 3700 and 4000 extra-large submersible pump

Long lasting motor with permanent lubrication bearings and water cooling system. Dual insulation that drastically reduces the chance of electrolysis on the shaft. Acetal body and plug-in base.

Code	Model	V	Flow l/min	Current draw A	Head m	Inlet Ø mm	Height mm	Base mm
16.118.12	3700 (14 A)	12	237	15,5	6,3	38	184	120
16.118.24	3700 (16 A)	24	237	6,9	6,3	38	184	120
16.119.12	4000 (56 D)	12	256	15,5	6,3	50	197	120
16.119.24	4000 (56 D)	24	256	6,9	6,3	50	197	120



RULE Mate automatic bilge pump

Eco-friendly antistatic pump with electronic sensor.

The pump turns on when the water level reaches 7 cm and shuts off when water is totally drained. FIELD-effect sensor avoids the pump turning on in presence of oil to protect the environment.

Code	Rule Code	V	Flow l/min	Current draw A	Inlet Ø mm	Height mm	Width mm
16.020.15	RM1500A	12	97	7	25/28	150	150
16.020.20	RM2000A	12	129	12	25/28	150	150
16.020.21	RM2000A-24	24	129	6,5	25/28	150	150



RULE Mate automatic bilge pump

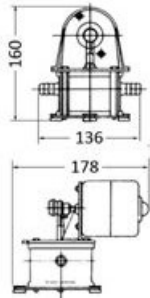
Eco-friendly antistatic pump with electronic sensor.

The pump turns on when the water level reaches 5 cm and shuts off when water is totally drained. FIELD-effect sensor avoids the pump turning on in presence of oil to protect the environment.

Code	RULE code	V	Flow l/min	Current draw A	Inlet Ø mm	Height A mm	Width B mm
16.020.51	RM500B	12	35	1,8	19	111	72
16.020.76	RM800B	12	55	3,0	19	111	72
16.020.77	RM800B-24	24	55	1,6	19	111	72
16.020.12	RM1100B	12	72	3,8	25/29	111	72
16.020.13	RM1100B-24	24	72	2,1	25/29	111	72



Bilge and grey water pumps



GEISER diaphragm self-priming bilge pump

For water suction and fuel transfer.
Stainless steel plates, impact-resistant **plastic and nylon** parts, rubber-coated fabric parts resistant to any substances.
Watertight in compliance with ISO 8846 standards (it can be mounted in the engine room).
 Supplied with strainer.

Code	Inlet/outlet mm	V	A	Flow l/min	Head m	Spare diaphragm
16.292.12	3/4" (mm 19)	12	8	18	10	16.292.00
16.292.24	3/4" (mm 19)	24	4	18	10	16.292.00

OSCOLATI



Self-Priming bilge pump

Self-priming pump with neoprene impellers. Watertight in compliance with ISO 8846 standards (it can be mounted in the engine room).
 - Version A: Electrophoresis-coated engine case.
 - Version B: **Model MKII** fitted with pump unit made of fiberglass-reinforced thermosetting resin + stainless steel internal inserts.

Code	Version	V	Flow l/min	Current draw A	OPTIONAL Fittings	Spare impeller
16.193.12	A	12	35	8	1/2" 19 mm	16.193.73
16.193.24	A	24	35	4	1/2" 19 mm	16.193.73
16.192.12	A	12	45	12	1/2" 19 mm	16.193.73
16.192.24	A	24	45	7	1/2" 19 mm	16.193.73
16.193.50	B	12	30	8	1/2" 19 mm	16.193.73



MARCO self-priming bilge pump

NEW INTEGRATED FLANGE

Rubber impeller, high-quality built, EMI internal noise suppressor. Waterproof body and watertight fairlead. In compliance with ISO 8849/8846 standards.

Code	Initials	V	Flow l/min	A	Max pressure bar	Self-priming from m	Motor W	Hose adaptor	Spare impeller
16.164.12	UP1-J	12	28	8	1	1,5	150	3/8"	-
16.165.12	UP1	12	35	11	1,2	1,5	180	1/2"	16.193.73
16.165.24	UP1	24	35	5,5	1,2	1,5	180	1/2"	16.193.73
16.166.12	UP1-M	12	45	14	1,2	1,5	360	1/2"	16.193.73
16.166.24	UP1-M	24	45	7	1,2	1,5	360	1/2"	16.193.73

Whale®



WHALE Gulper 220 shower/black water drain pump

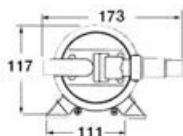
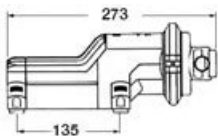
Designed to pump waste water, fitted with large single diaphragm, non-choke valves, quiet operation, no strainer required. Self-priming up to 3 metres. It can run dry and pump a mixture of air and water. Easy to install in confined spaces, dual outlet valve for an even flow. 360° adjustable inlets, low current draw.

Code		V	Flow l/min at 1m head		Max flow l/min	Current draw A	Max head m	Max suction m	Hose adaptor mm
RETAIL	BULK		inlet m 0	inlet m 1					
16.155.30	16.155.20	12	13,4	12,6	14	2,4/4,5	3	3	19
-	16.155.40	24	13,4	12,6	14	1,2/2,2	3	3	19



16.155.99 *Whale Gulper maintenance kit.*

16.155.98 *Gulper 220 closing ring and screws.*



WHALE Gulper 320 shower/black water drain pump

Built on market leading valve technology, it is as reliable as the Gulper 220 but with a 35% higher flow. Improved features in comparison with the 220 model:

- 1) Patented Ezi-Clamp locking ring: head rotates 360° without losing screws.
- 2) 3-foot design for quick and easy installation.
- 3) Anti-vibration rubber support belt.
- 4) Hose adaptor for 19-mm and 25-mm Ø tube.



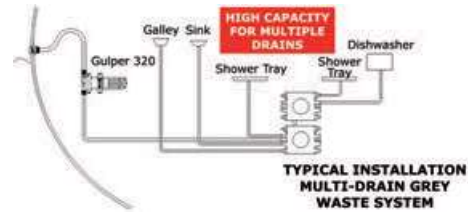
Code		V	Flow l/min at 1m head		Current draw A	Hose adaptor mm	Head maintenance kit
RETAIL	BULK		suction 0m	suction 1m			
16.156.15	16.156.12	12	19	17.4	7.5	19/25	16.156.99
-	16.156.24	24	19	17.4	3.2	19/25	16.156.99



▲ 16.156.15



▲ 16.156.99



WHALE Gulper IC grey water and remote bilge pump

Same system of the Gulper 220/320, non-clog pump, elevated head, adjustable head, no strainer, self-priming, it can run dry. The IC version is pre-wired and fitted with watertight connectors to IC range accessories (suction strainer, 3-way fitting, shower drain): when the electronic sensor detects water, the pump activates for a 45-second cycle. Manual activation possible. In compliance with ISO 15083 standards.



Code	V	Flow l/min	Current draw A	Head m	Hose adaptor mm	Head maintenance kit
16.157.12	12	19	8	3	19-25	16.156.99
16.157.24	24	19	4	3	19-25	16.156.99

WHALE suction strainer with IC automatic sensor

An accessory including three items: suction strainer, check valve and electronic switch. Easy to connect to the GULPER IC bilge pump by means of watertight plugs, it is fitted with a 4-m cable and can work with both 12V and 24V systems. No maintenance required, fast installation. Port orientation.



Code	It can be connected to pump
17.710.50	16.157.12; 16.157.24

WHALE 3-way fitting with IC automatic sensor

This fitting can be used to connect two drains to the same pump without using a grey water tank. Built-in field sensor switch that activates the pump as water flows into the drains. It connects to the Gulper IC pump by means of a 4-m cable with watertight quick plug, 25-mm fittings, bulkhead mounting or undermount installation. No wearing parts, no cleaning required.



Code	It can be connected to pump
17.713.50	16.157.12; 16.157.24

WHALE drain plug with IC automatic sensor

Drain plug with built-in field sensor switch. It connects to the Gulper IC pump by means of a 4-m cable with watertight quick plug. It activates the pump as soon as water flows into the drain. This system allows to drain off grey waters with no need of activating a control before using the shower or sink. Small size, sturdy materials, no maintenance or cleaning required. Check-valve included. Fittings for 19- and 25-mm hose.



Code	It can be connect to pump
17.713.60	16.157.12; 16.157.24

Bilge pump switches

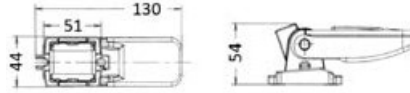
OSCULATI



Automatic switch for bilge pumps

20-amp flow. Technopolymer body. Removable for cleaning.

Code	V	Max current draw A		Activation level mm	Deactivation level mm
		12V	24V		
16.603.50	12/24	20	10	51	19



OSCULATI



Eco-friendly automatic switch for any bilge pump

Extra-flat version. CE certified in compliance with Law 94/25, ISO 28846 standards.

Code	Voltage	Max A
16.603.00	universal	14



Openable cover for bilge pump automatic switches

It protects against accidental impacts and avoids it from getting jammed due to debris floating in the bilge.

Code	mm	For switches
16.603.10	180x110x110 h	16.603.00

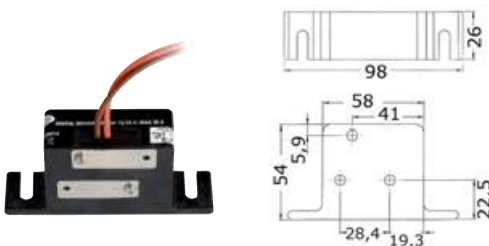
OSCULATI



Cased eco-friendly automatic switch for any bilge pump

Cased version of model 16.603.00. It protects against accidental impacts, larger size.

Code	Voltage	Max A	mm
16.607.00	universal	15	152x85x84h



Automatic electronic switch for bilge pumps

For any submersible pump operating at 20A max current draw and 12/24V. It works in fresh and salt water. It switches on at a 50-mm level and turns off at a 20-mm level. A 5-second return system prevents false starts. Oil- and hydrocarbon-resistant. RINA ISO 8846 type-approved.

Code	ON/OFF level mm	V	Max A	mm
16.610.00	50/20	12/24	20	86x54x26h

Automatic electronic switch for bilge pumps

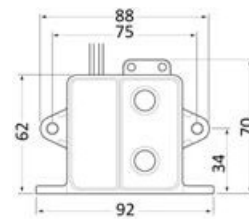
Fast installation in any point of the bilge. Petrol-, oil- and diesel-resistant.

Code	Version	V	Max A	↔ mm
16.609.00	automatic	12/24	20	82x80x19h



WHALE automatic electronic switch for bilge pumps

- It uses the MIRUS patented field sensor technology that controls 12 or 24 volt DC bilge pumps up to 20 A current draw.
- No moving internal parts, no wear and no malfunctioning.
- Completely sealed, maintenance required.
- Solvent- and fuel-resistant polymer body.
- Mercury- and polluting-agent free.



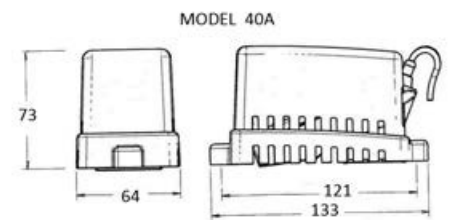
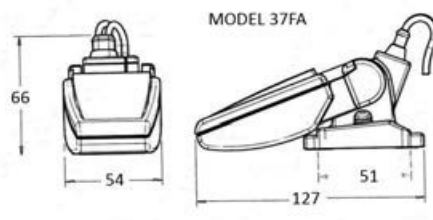
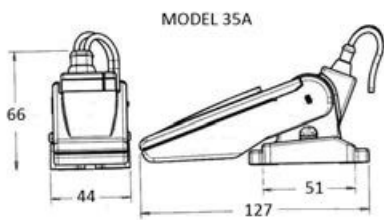
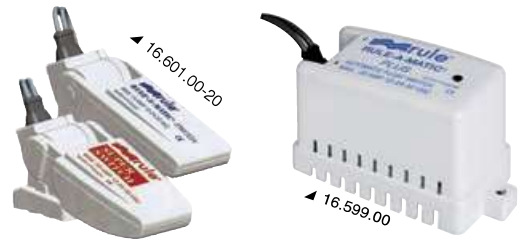
Code	ON/OFF level	Max V	Max A
16.548.90	32 mm	24	20

RULE automatic switch for bilge pumps

Mercury-free eco-friendly version. Removable base for easy servicing (MOD 35A/37A). Tested to over 1,000,000 cycles.



Code	Version	Max A power	↔ mm	Fitted with
16.601.00	35A	14	127x44x66 (h)	-
16.601.20	37FA	20	127x54x66 (h)	safety fuse
16.599.00	40A	20	133x64x73 (h)	-



RULE eco-friendly automatic switch for bilge pumps

Mercury-free eco-friendly design, all wiring is out of water. As water rises in the bilge, air rises in the air tube that is attached to the switch. This air pressure activates the switch that controls the pump.



Code	V	Current draw A
16.598.12	12	20
16.598.24	24	10



Bilge pump panels and alarm systems



Manual panel switch for electric bilge pumps

Made of **anodized aluminium**. It includes fuses and switch for manual/automatic mode.

Code	volt	mm
16.604.00	12/24	90x50



Panel switch for electric bilge pumps

Made of **anodized aluminium**, fitted with:

- Switch and pump ignition light.
- Warning light and audible alarm that activate when there is water in the bilge.
- Safety fuse.

Code	volt	mm
16.605.00	12	120x65



New Universal panel switch for bilge pumps

Universal for all bilge pumps with floating or electronic device.

Fitted with: Marina **double-LED** toggle switch. 3 functions: automatic, off, manual with spring return to OFF position to prevent leaving the pump turned on, Safety fuse.

Code	For pumps	Current draw A	mm
16.606.30	12/24 V	25	75x60



Panel switch for washdown pump

For all 12V washdown pumps. Fitted with Marina toggle switch (LED on and off) and safety fuse.

Code	For pumps	Current draw A	mm
16.610.12	12 V	25	75x60



Panel switch with audible alarm for bilge pumps

IP43. Model with rear cover. Fitted with:

- ON-OFF-M.ON switch to activate the pump in automatic or manual mode, it includes control LED lights.
- **Warning light and audible alarm** that activates when there is water in the bilge.
- Fuse.

Code	volt	mm
16.608.12	12/24	120x68,5



RULE panel switch for bilge pumps

Three controls: automatic, manual, off.

Code	V
16.600.00	12/24



RULE panel switch for De Luxe bilge pumps

Built-in fuse, internally lighted rocker switch with 3 positions (automatic, manual and off) with Fall Safe spring return to off from the manual position.

Code	V
16.600.12	12
16.600.24	24



RULE high water bilge alarm

Rule-A-Matic Plus recess fit fuse holder, 85-db audible alarm and water detection warning light.

Code	volt
16.033.00	12
16.032.00	24

Grey water tanks

Grey water tank with Europump Auto pump

It centralizes all drains (shower, sink, kitchen, toilet, etc.). Quick inspection snap cover. Fitted with removable strainer.

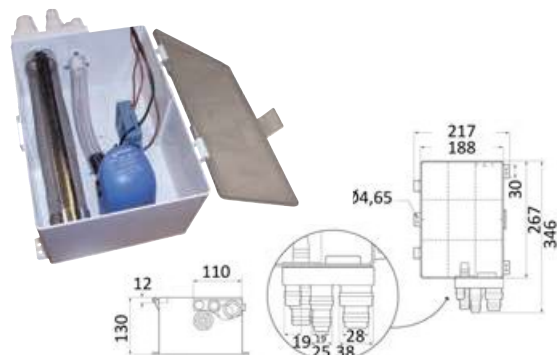
Code	Pumps	V	Current draw A	Max flow l/min	Max head m	Outlet mm	Inlet mm
16.130.12	16.124.03	12	3,0	48	3	19	19/25/29/38
16.130.24	16.124.04	24	1,6	48	3	19	19/25/29/38



WHALE grey water tank with automatic pump

Designed to collect waste water from shower trays and sinks, then it automatically triggers the electronic field sensor to activate the pump. Clear plastic lid for easy inspection, it opens without tools. Large stainless steel mesh strainer. Easy installation: multiple inlet port sizes for easy connection to existing plumbing (only 2 wires to connect).

Code	Pumps	Sensor	V	Current draw A	Max flow l/min	Flow at 1 m l/min	Max head m	Ø inlets mm	Ø drains mm	mm
16.117.50	Orca 500 (16.550.12)	Sensor Field	12	1,5	32	16	3	19-25-28-38	19-25	346 x 217 x 130

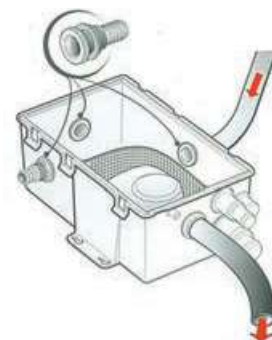
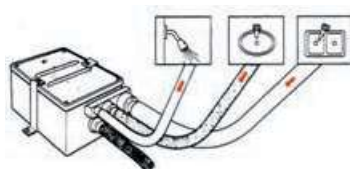
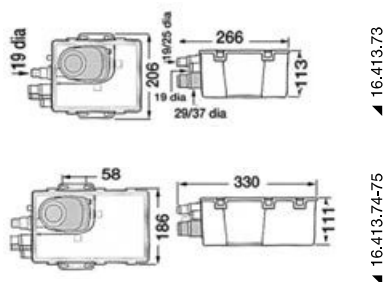


ATTWOOD grey water tank with automatic pump



Designed to centralize all drains (showers, sinks, kitchens, bathrooms, etc). Fitted with check valve to prevent bad odours. Quick inspection snap cover.

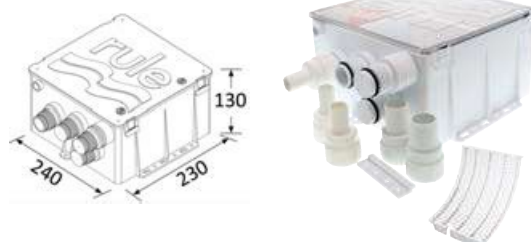
Code	Pumps	V	Current draw A	Max flow l/min	Max head m	Box capacity	Inlet mm	Outlet mm	Box mm
16.413.73	automatic Sahara 500	12	1,4	27	2,1	standard	19	19+19/25+29/37	266x206x113h
16.413.74	automatic Sahara 750	12	2,5	41	3	large	19	19+19/25+29/37	330x186x111h
16.413.75	automatic Sahara 750	24	1,3	41	3	large	19	19+19/25+29/37	330x186x111h



RULE shower drain system

Fitted with grey water tray/strainer. It automatically turns on when the tray is full of water.

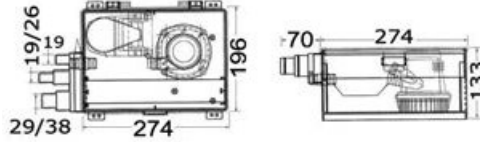
Code	RULE code	V	Current draw A	Flow l/min	No of inlets	Inlet fittings included	Drain mm
16.117.64	98B	12	3,5	55	3	2 x 19 mm; 1 x 25 mm; 1 x 29 mm	19
16.117.65	98B - 24	24	1,8	55	3	2 x 19 mm; 1 x 25 mm; 1 x 29 mm	19





Grey water tank

16.407.57 It centralizes all drains (shower, sinks, kitchens, toilets etc.) to avoid bores in the hull. **Universal** model supplied **without pump and automatic floor**. It can be fitted with pumps: Rule/Jabscow/360/800/1000 GPH, Attwood V625/V750/V900, Europump 16.813.60, TMC 600GPH/500GPH/1000GPH, Seaworld 750GPH and floats Rule 35/35F, Attwood 4202, Seaworld 40812.



WHALE grey water tank with built-in IC sensor

The tank has built-in sensors for the pump automatic control and allows you to manage all grey waste on board up to 90°C even in multi-port systems. The triple spray-proof seal cover, made of polyethylene with clear inspection lid, has built-in controls kept far from water. No mobile part that easily jams. The tank has a convex base for utmost draining and a pre-moulded hose adapter for precision when boring. The "Gulper" pump can be mounted directly on the tank following the installation guide printed on the tank. The tanks match with the entire Gulper series (recommended pumps in the diagram here below). Outlet ports and sensor locations minimize air pumping noise typical of the other tanks available on the market. The 20-l model offers a +25% capacity and is fitted with a dual sensor for installation of an additional pump that activates in case of large inlets or for mounting of a high-lever alarm system.



▲ 16.222.94



▲ 16.222.01

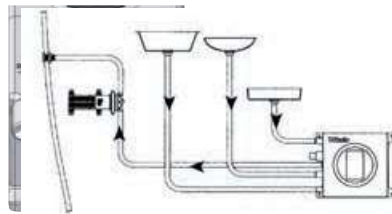


Tripla guarnizione antispruzzo
Triple splash-proof seal

▲ 16.222.98

Code	V	Flow l	←→ mm	Fittings		For pumps
				inlets	outlets	
16.222.94	12/24	8,1	350x260x180	19 mm x 2; 25 mm x 3; 38 mm x 3	19 mm x 1; 25 mm x 1	16.155.40 16.156.24
16.222.98	12/24	20	600x250x230	25 mm x 4; 38 mm x 4	2 x 25 mm	16.156.12 16.156.24

16.222.01 NEW-Cap with single sensor



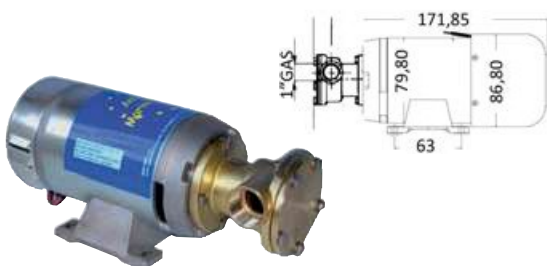
Portable and high-capacity bilge pumps



ATTWOOD portable submersible bilge pump

Battery-operated pump fitted with 1,10-m delivery pipe coiler.

Code	Power	Capacity	Flow l/min	←→ mm
16.026.00	3 x D batteries	5 hours	25	130 (Ø base) x 190h



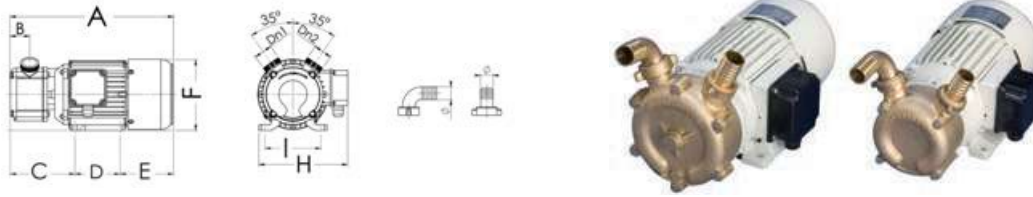
Self-Priming professional bilge pump

Self-priming electric pump with nitrile rubber impellers. Brass pump body. Also suitable for diesel oil transfer.

Code	V	Flow lt/min	Current draw A	Fittings	Spare impeller
16.193.80	24	80	21	3/4"	16.194.35

Professional bronze self-priming bilge pump

Bronze impeller. It can run dry without damage. Self-priming up to 5/6-meter depth. Suitable for diesel oil transfer.



Code	A mm	B mm	C mm	D mm	E mm	F mm	H mm	I mm	Dn1 - Dn2	V	Flow l/min	Current draw A	Head m	HP	Hose adaptor Ø mm	kg
16.652.30	375	50	140	100	135	156	205	125	1" 1/4 M	24	75	24	18	0,8	30	13,5
16.652.40	490	67	180	125	185	178	218	140	1" 1/2 M	24	120	45	22	1,5	40	21

Self-priming electric pump

Stainless steel pump body and shaft, fitted with **norlin** impeller and diffuser, coated cast iron motor case and support. Self-priming after first filling, it requires a check valve. High priming capacity. Commonly used to deliver water under pressure to the onboard services (showers, kitchen, sinks, etc.) as well as to air conditioning, fire-prevention, washdown and chains units. For use with fresh water.



Code	V	Max flow l/min	Current draw A	Motor W	AxBxC mm	kg	OPTIONAL valve
16.655.12	12	50	42	520	200x400x220	10	17.232.03; 17.232.04
16.655.24	24	50	28	600	200x400x220	10	17.232.03; 17.232.04

Aerator pumps for livewell

Europump centrifugal pump for livewell tank aeration

ABS body, stainless steel shaft, permanent magnet motor. Easy to disassemble and clean.

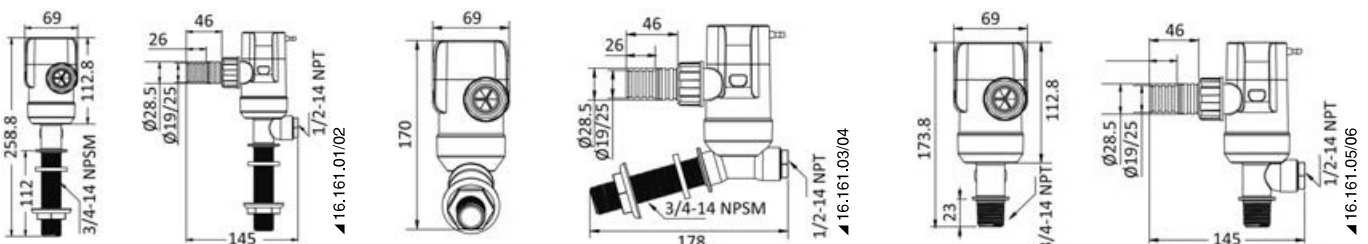
Code	Version	V	Flow l/min	Current draw A	Drain Ø mm
16.160.01	submersible	12	38	3,0	19
16.160.03	in-line bulkhead	12	38	3,0	19
16.160.05	90° bulkhead	12	38	3,0	19

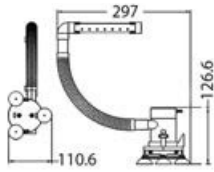


Europump Next Generation aerator pump for livewell/baitwell tanks

CE-certified in compliance with the **ISO 8846/8849** directive. Low consumption, Pump unit + hose connector adjustable at 360°. Motor can be pulled off for cleaning. Fitted with backflow **check valve**.

Code	Version	V	Flow l/min	Current draw A	Head m	Hose adaptor Ø mm	OPTIONAL 29-mm Ø 90° hose adaptor
16.161.01	in-line	12	51	3,5	3	19/29	16.128.00
16.161.02	in-line	24	51	2,0	3	19/29	16.128.00
16.161.03	vertical motor	12	51	3,5	3	19/29	16.128.00
16.161.04	vertical motor	24	51	2,0	3	19/29	16.128.00
16.161.05	inside mounting	12	51	3,5	3	19/29	16.128.00
16.161.06	inside mounting	24	51	2,0	3	19/29	16.128.00





Aerator pump for baitwell/livewell tanks

It can be fixed to the tank by means of a suction cup. Fitted with aerator hose to be fixed with suction cups to the tank sides. Packed in blisters.

Code	V	Current draw A	Flow l/min	Head m
16.163.00	12	1	22	3



TMC aerator pump for livewell/baitwell tanks

Designed for mounting inside the tank by means of 3 suction pads. It connects at 12 volts.

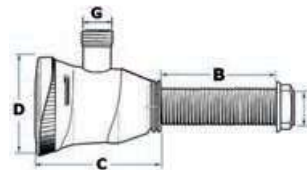
Code	V	Flow l/min
16.452.43	12	15.8

ATTWOOD electric pump for aeration and water circulation



To be used in livewell/baitwell tanks. Designed to be mounted on the transom or at a distance with a pipe.

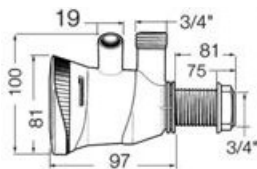
Code	V	Max flow l/min	Current draw A	B mm	C mm	D mm	G/F mm	OPTIONAL thru-hull scoop strainer	OPTIONAL Strainer	OPTIONAL Spray head	OPTIONAL Hose adaptor
16.410.84	12	38	1,8	75/25	81	74	3/4"	16.388.61	16.388.50	16.412.53	17.235.02
16.410.83	12	52	2,5	75/25	100	81	3/4"	16.388.61	16.388.50	16.412.53	17.235.02



2-outlet ATTWOOD electric pump for aeration and water circulation

To be used in livewell/baitwell tanks. Fitted with **two outlets** to aerate 2 tanks at a time or a single tank by using a second washdown fitting.

Code	V	Flow l/min		Current draw A	Hose adaptor	Spray head
		m 0	m 2			
16.410.85	12	46	29	3	3/4 + 19 mm	16.412.53

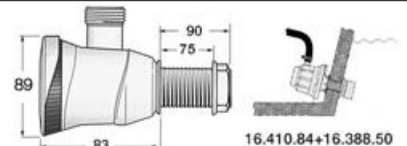


ATTWOOD thru-hull scoop strainer



16.388.61 Thru-hull scoop strainer to be used with pump model 16.410.83/16.410.84 when mounted far from the transom.

ATTWOOD strainer



16.388.50 Strainer only to be fitted outside pump model 16.410.83/84 when mounted on the transom.

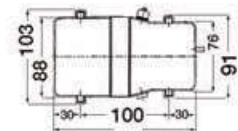
ATTWOOD spray head



Spray head for ATTWOOD aerator pumps. Flow can be adjusted as wished.

Code	For hose Ø mm	For pumps
16.412.53	19	16.452.43; 16.410.84; 16.410.85

TMC electric aerator pump for livewell tanks



16.201.00 Bulkhead mounting, powered by 2 x D batteries, 100% watertight.

RULE oxigenator for livewell/baitwell tanks

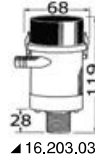
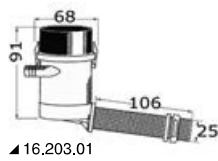
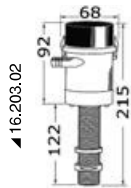
16.078.00 It can be combined with any submersible pump with 19-mm hose adaptor. The spray valve infuses air in stagnant water. **Adjustable** direction and flow.



RULE Pro-Series submersible aerator pump for livewell tanks

Easy to disassemble and clean. Very quiet operation.

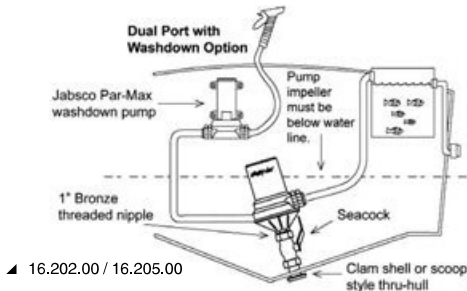
Code	V	Flow l/min	Current draw A	Version
16.203.01	12	45	2,8/4	angled inlet for thru-hull applications
16.203.02	12	45	2,8/4	straight inlet for thru-hull applications
16.203.03	12	45	2,8/4	seacock inlet for seacock applications



RULE Dual-Port centrifugal pump

Used as water circulation pump in livewell/baitwell tanks and as fitting for **washdown pumps**, usually installed on fishing boats. A single bore is required on the hull.

Code	V	Flow l/min	Current draw A	Hose adaptor
16.202.00	12	32	1,9	1/2"+3/4"
16.205.00	12	100	-	25 (1")/28,6 (1" 1/8)



Centrifugal aerator pump

Suitable for **livewell tanks**. Used for water circulation, exchange and aeration. Fitted with mounting accessories, stand, clamps, aerator hose, etc.

Code	V
16.100.13	12

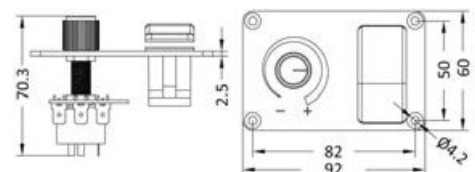


New Timer for aerator pumps

Programming with several options:
 - ON-OFF: off or permanent running
 - Timer option: running for 30 seconds and pauses settable from 2 seconds to 5 minutes.
 Anodized light alloy panel to be easily installed with 3M self-adhesive tape.



Code	V	A	mm
16.610.13	12	10	92x60



Oil and diesel oil transfer pumps



Oil vacuum extractor

This device pumps the exhausted oil out of the engine. Oil is tapped through the dipstick and the vacuum pump located on top collects it into the spherical container.

Code	Flow l
16.188.00	6



12V oil change kit

The kit contains: 13,5-l plastic tank, electric pump, fitted with 2.10-m cable and battery clips, suction hose from the dipstick, drain hose

Code	V
16.188.90	12

OSCOLATI



Reversible self-priming pump for oil emptying and diesel oil transfer

Oil is tapped through the dipstick. Fitted with 14-mm hose adaptor.

Code	V	Flow l/min	Current draw A	Self-priming up to m	Hose kit
16.170.12	12	8	4/8	0,80	16.170.20 OPTIONAL
16.171.12	12	12	6/10	1,30	16.170.20 INCLUDED
16.171.24	24	12	3/6	1,30	16.170.20 INCLUDED

 **16.170.20** 8-mm and 6-mm Ø rigid rilsan pipe for tapping through the dipstick.

Self-priming pump with switch for transfer of gasoil, oil and water

With watertight continuous running motor for the transfer and supply of gasoil, oil and water. Fitted with Carling ON/OFF/ON built-in watertight switch.

It comes with: 13-mm drain hose, 2 x rilsan hoses (6 mm and 8 mm) for the engine housing, 1,5-m cable with clamps for the battery pack.



Code	V	Flow l/min	Current draw A	Self-priming up to m
16.172.12	12	with hose Ø 8=4; with hose Ø 6=3	5	1,2



Self-priming pump for oil, diesel oil and viscous fluids.

Brass pump body, stainless steel shaft, intermittent working.

Code	V	Flow l/min	Current draw A	Max head m
16.190.60	12	12	7	3
16.190.61	24	12	4	3



Fixed/portable pump for diesel oil transfer

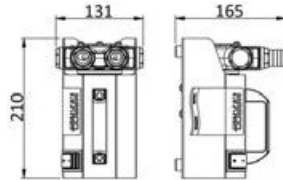
Professional pump for diesel oil transfer. Built-in ON-OFF switch. Fitted with strainer and 25-mm hose adaptor. CE certified No VT12039113.

Code	V	Flow l/min	Power watt	Max intake m	Head m	Dimensions mm
16.045.50	12	40	155	3	10	230x160x180
16.045.51	24	40	155	3	10	230x160x180

MARCO self-priming electric pump for diesel oil transfer

Blade impeller. Aluminium body with quick fitting for 25-mm hose. Case with handle, ON/OFF switch, battery clips. Fitted with EMI strainer. Pump suitable for transfer from a tank to another.

Code	Initials	V	Flow l/min	Current draw A	Pressure bar	Priming height m	Hose adaptor mm
16.047.05	VP45	12	45	15	1,2	1,5	25
16.047.06	VP45	24	45	7,5	1,2	1,5	25



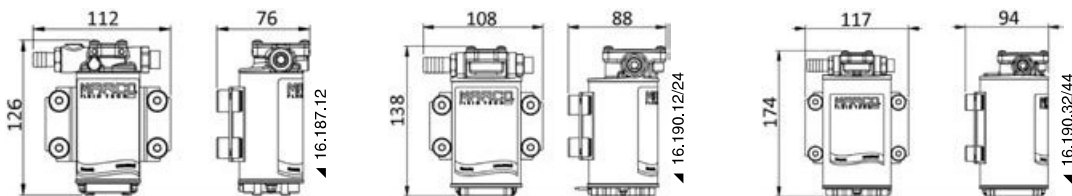
MARCO self-priming electric gear pump for oil transfer/change

NEW INTEGRATED FLANGE

Bronze electric gear pump for transferring oils and viscous fluids. Tapping through the dipstick; fitted with 2 hose adaptors for 14-mm inner diameter hose and additional quick plug-in fitting for the suction pipe. Suitable for draining oil from engine sumps by means of its hose kit. Nickel-plated brass body, stainless steel shaft.

Code	Initials	V	Flow l/mn in pipe mm			Fuse A	Self-priming up to m	OPTIONAL Hose kit
			Ø 6	Ø 8	Ø 13			
16.187.12	UP2/OIL	12	0,3	0,9	3,3	3	1	16.190.27
16.190.12	UP3/OIL	12	0,3	1	5,5	7,5	1	16.190.27
16.190.24	UP3/OIL	24	0,3	1	5,5	4	1	16.190.27
16.190.32	UP6/OIL	12	0,42	1,2	8	10	1,5	16.190.27
16.190.44	UP6/OIL	24	0,42	1,2	8	7,5	1,5	16.190.27

16.190.27 8-mm and 6-mm Ø rigid rilsan pipe for tapping through the dipstick.

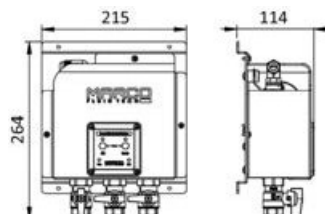


MARCO electronic unit for oil change

Compact electronic unit for oil change for fixed installation on vessels. Used to drain and fill up all onboard applications such as generators, engines, gear drive and gangplanks.

Electronic control adjusts the pump motor speed depending on the oil viscosity/temperature and increases revolutions during priming for maximum suction. The system automatically stops working when it runs out of liquid, in case of short circuit and after 30-min operation.

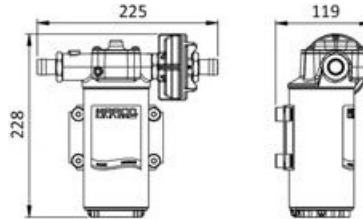
Art. Nr.	Initials	V	Max flow l/min	Current draw A	Pressure bar	Self-priming up to m
16.190.53	OCS3/E	12/24	10 (Diesel)	10	2	1,5




MARCO oil transfer electric pump with bronze gears
NEW INTEGRATED FLANGE

Self-priming electric pump with bronze gears for oil transfer. Protection strainer included.

Code	Initials	V	Flow l/min	Current draw A	Head m	Pressure bar	Outlets
16.190.52	UP14	12	46	30	4	2	3/4"



▲16.047.12

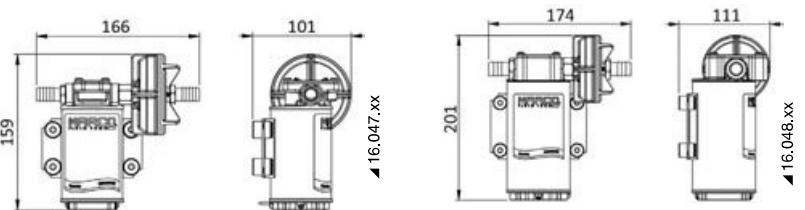


▲16.048.12/24

Self-priming bronze electric gear pump for diesel oil, antifreeze and water transfer
NEW INTEGRATED FLANGE

Fitted with in-line inlet strainer. Brass body, stainless steel shaft. Inlets with brass fittings for 14-mm inner Ø hose. It can run dry without damage.

Code	Initials	V	Flow l/min	Current draw A	Head m	Self-priming from m	Inlets
16.047.12	UP3	12	15	6	10	1.5	3/8"
16.048.12	UP6	12	26	10	10	2	1/2"
16.048.24	UP6	24	26	5	10	1.5	1/2"


Pipe kit

16.190.27 8-mm and 6-mm rigid rilsan pipe kit for tapping through the dipstick. For pump models 16.190.xx.


MARCO oil change kit with bronze gears

The kit includes:

- Filling/drainage pump with ON-OFF reversible switch.
- Intake tubes.
- Battery clips.

Code	Initials	V	Flow l/h			Current draw A	Self-priming up to m	Hose adaptor
			6-mm Ø hose	8-mm Ø hose	13-mm Ø hose			
16.190.14	OCK1-R	12	20	60	330	5,5/6,5	1	3/8"
16.190.17	OCK1-R	24	20	60	330	5,5/6,5	1	3/8"


MARCO adjustable-flow reversible electric pump
NEW INTEGRATED FLANGE

Self-priming reversible electric pump, bronze gears for oil and diesel transfer, 12 and 24V.

The electronic control adjust speed to the liquid viscosity.

Automatic lock system when the pump has run out of liquid.

The built-in keypad can set the motor speed, can stop/start the pump and reverse its flow.

Code	Initials	V	Max flow l/min	Current draw A	Priming height	Max pressure bar	Hose connector
16.190.72	UP8-RE	12/24	10	4/2	1.5	4	13 mm; 3/8" BSPP

NAUCO-type self-priming pumps

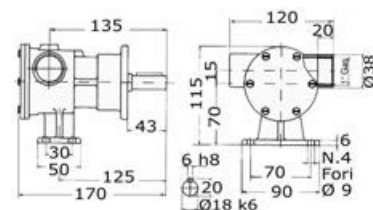
Code	Joint	Jabsco	Johnson	Spare impellers
16.035.00	3/8"	52010-2001	F35B-8-10-35038-1/9 without bed; F35B-8-10-35038-41	16.194.01
16.035.01	3/8"	52010-2001 (6640-200) (22940-2001)	F35B-8-10-35038-1/9 without bed; F35B-8-10-35038-41	16.194.01
16.044.00	D18/19	29350-1001	F4B-9-10-24335-01	16.194.01
16.038.00	3/8"	29300-2001/29300-2101	F35B-9-10-32412-10-35157/6 Ruggerini - 10-35118-1	16.194.02
16.050.00	3/8"	29300-2001	F35B-9-10-35211-3; F35B-9-902-10-35211-4; F35B-9-10-35122-1 with brass	16.194.02
16.136.00	3/8"	29470-2131	F4B-9-10-35161-1	16.194.03
16.138.00	3/8"	29470-2531	F4B-9-10-35098-2	16.194.04
16.045.00	3/8"	29470-2431	F4B-9-10-35355-01 Lombardini 1503LD YM-2004-M	16.194.04
16.016.00	1/2"	22950-0001	-	16.016.01
16.039.00	3/4"	3270-200 (3270-2401)	F5B-9-10-24119-2-3	16.194.05
16.065.00	3/4"	-	F5B-9-10-24119-4-F5B-9003; F5B-9-9003-10-24119; F5B-9-10-35100-1	16.194.05
16.046.00	3/4"	29500-1501	F5B-9-10-24334-01	16.194.05
16.059.00	3/4"	-	F5B-9-10-24184-1 MVM-F5B-9-24086-1	16.194.05
16.149.00	D 28	29500-1001	-	16.194.05
16.037.00	3/4"	52.040-2001	F5B-8-10-24073-1/9/11	16.194.05
16.146.00	1"	23430-1001	F7B-9-10-24127-1	16.194.06
16.055.00	flange	9700-21	F7B-9-10-24183-1/10-24014-1	16.194.06
16.160.00	D 32	-	F7B-9-03-24524/Volvo 3581558	16.194.06
16.041.00	1"	52080-2001	F7B-8-10-24070-1	16.194.06
16.042.00	1" 1/2	52200-2011	F8B-8-10-13021-5	16.194.07
16.040.00	-	-	F4B-903-10-24509-2	16.194.03
16.036.00	3/8"	52020-2001	F4B-8-10-24074-1	16.194.11
16.052.01	3/4"	-	F7B-8-10-24571-01	16.194.05
16.052.02	3/4"	-	F7B-8-10-24571-13	16.194.05
16.051.01	1"	-	F7B-8-10-24572-01	16.194.26
16.051.02	1"	-	F7B-8-10-24572-13	16.194.26
16.067.01	3/8"	29450-1201; 29450-1001; 29450-1401; 29450-1231; 29450-1431; 29450-1301	F48-903	16.194.04
16.067.60	-	29700-1301 (7.5-mm cam) ; 29700-1331 (camma 6 mm)	-	16.194.18

NAUCO 36-type pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min				
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000
0	28	53	80	87	96
0,6	20	45	78	81	93
1	18	41	68	77	88

Code	Spare motor	Flow l/min	Inlet	Equivalent item		Spare impeller
				Jabsco	Johnson	
16.041.00	up to 400 HP	25-102	1"	52080-2001	F7B-8-10-24070-1	16.194.06

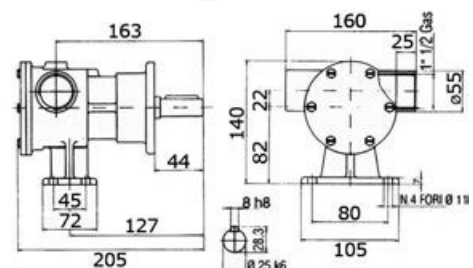


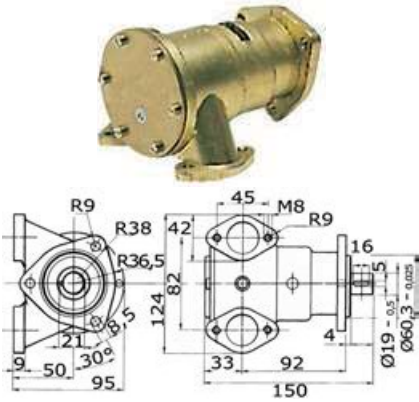
NAUCO 40-type pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min				
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000
0	95	121	195	260	293
0,6	80	107	181	233	270
1	72	102	177	228	265

Code	Spare motor	Flow l/min	Inlet	Equivalent item		Spare impeller
				Jabsco	Johnson	
16.042.00	up to 800 HP	65-260	1"1/2	52200-2011	F8B-8-10-13021-5	16.194.07



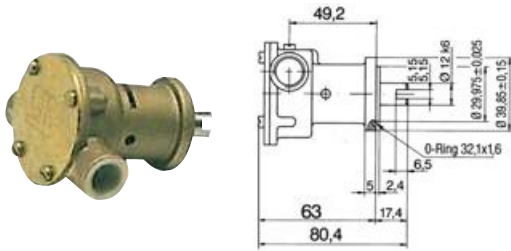


NAUCO FPR050F-type pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	50	55	85	90	130	170
0,3	48	51	81	100	120	155
1	40	44	73	92	105	131

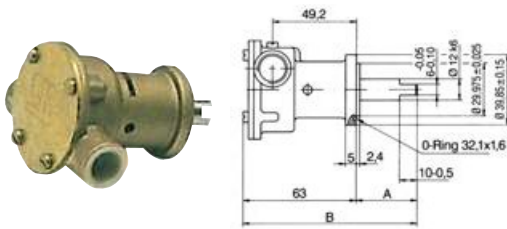
Code	Spare motor	Inlet	Equivalent item		Spare impeller
			Jabsco	Johnson	
16.055.00	AIFO, 503/9/5 - 521 - 5213 - 8361 - 8820 - 8210	flanged 1"	9700-21	F7B-9-10-24183-1/10-24014-1	16.194.06



NAUCO ST114-type flanged pump to be directly installed on the engine

Bronze body, neoprene impellers, to be connected to the engine.

Code	Spare motor	Inlet	Equivalent item			Spare impeller
			Jabsco	Johnson	Ruggerini	
16.038.00	Volvo Penta, Bukh, Arona, Nanni, Ducati, Ruggerini	3/8"	29300-2001/29300-2101	F35B-9-10-32412-10-35157/6	10-35118-1	16.194.02



NAUCO FPR009-type pump

Bronze body, neoprene impellers, to be connected to the engine.

Code	Spare impeller	Inlet	Equivalent item	
			Jabsco	Johnson
16.050.00	16.194.02	3/8"	29300-2001	F35B-9-10-35211-3 F35B-9-902-10-35211-4 F35B-9-10-35122-1 with bush



NAUCO FPR044-type pump

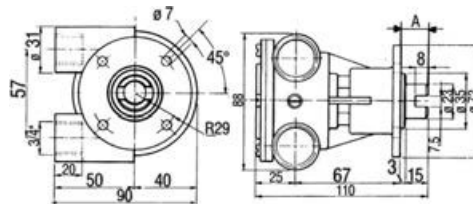
Bronze body, neoprene impellers, to be connected to the engine.

Code	Spare motor	Equivalent item Johnson	Spare impeller
16.059.00	Nanni	F5B-9-10-24184-1 MVM-F5B-9-24086-1	16.194.05

NAUCO FPR040-type flanged pump to be directly installed on the engine

Bronze body, neoprene impellers, to be connected to the engine.

Code	Spare motor	Inlet	A mm	Equivalent item		Spare impeller
				Jabsco	Johnson	
16.039.00	Aifo, Bmw, C. Power, Lehman, VM, Ct-Marine	3/4"	18	3270-200 (3270-2401)	F5B-9-10-24119-2-3	16.194.05
16.065.00	-	3/4"	20	-	F5B-9-10-24119-4 F5B-9003 F5B-9-9003-10-24119 F5B-9-10-35100-1	16.194.05

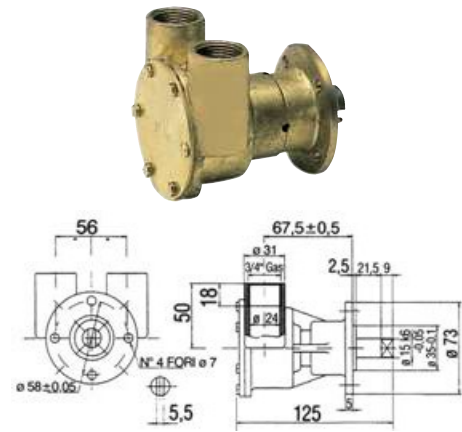


NAUCO FPR043-type flanged pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	21	27	41	49	56	60
0,3	19	25	38	47	54	57
0,6	18	23	37	42,5	48	55

Code	Spare motor	Inlet	Equivalent item		Spare impeller
			Jabsco	Johnson	
16.046.00	Nanni	3/4"	29500-1501	F5B-9-10-24334-01	16.194.05

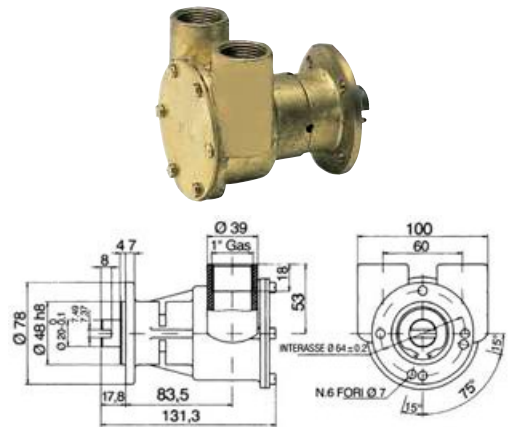


NAUCO FPR046-type pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	40	44	74	84	94	100
0,3	38	42	71	80	91	97
0,6	35	39	65	76	87	95

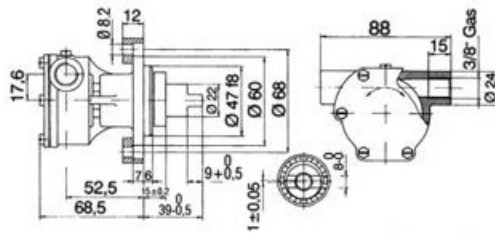
Code	Spare motor	Inlet	Equivalent item		Spare impeller
			Jabsco	Johnson	
16.146.00	"VM" a 4/6 cylinders	1"	23430-1001	F7B-9-10-24127-1	16.194.06



NAUCO FPR236-type pump

Bronze body, neoprene impellers, to be connected to the engine.

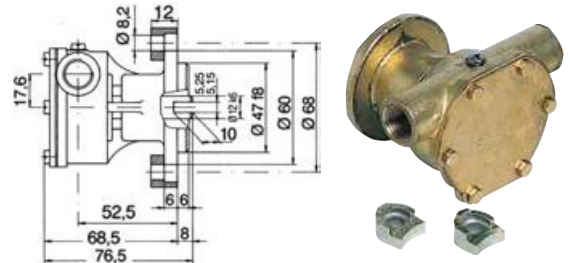
Code	Spare motor	Inlet	Equivalent item		Spare impeller
			Jabsco	Johnson	
16.136.00	Vetus	3/8"	29470-213	F4B-9-10-35161-1	16.194.03



NAUCO FPR038/034-type pump

Bronze body, neoprene impellers, to be connected to the engine.

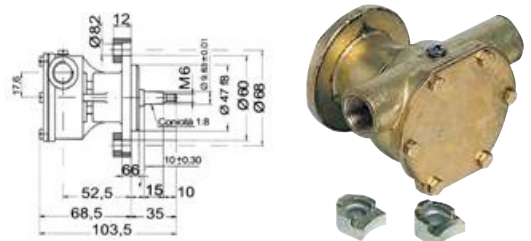
Code	Spare motor	Thread	Equivalent item		Spare impeller
			Jabsco	Johnson	
16.138.00	Volvo Penta series "2000", Lombardini Low 903, Aifo 4041	3/8"	29470-2531	F4B-9-10-35098-2	16.194.04

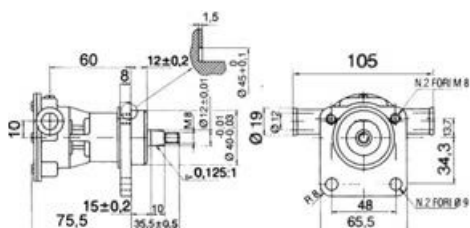


NAUCO FPR039-type pump

Bronze body, neoprene impellers, to be connected to the engine.

Code	Spare motor	Inlet	Equivalent item				Spare impeller
			Jabsco	Johnson	Lombardini	YM	
16.045.00	Lombardini	3/8"	29470-2431	F4B-9-10-35355-01	1503LD	2004-M	16.194.04

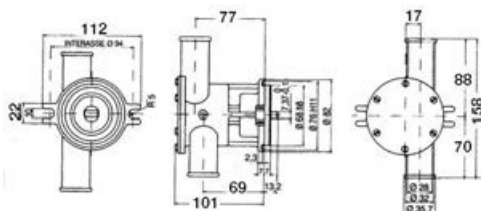


**NAUCO FPR0012-type pump**

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	9	11	15	16,5	18	23
0,3	8	9	13	14	15	21
0,6	7	8	12	13,5	14,5	20
1	4	6	8	9	13	15

Code	Spare motor	Inlet	Equivalent item		Spare impeller
			Jabsco	Johnson	
16.044,00	Perkins 3/4 cylinders	smooth Ø mm 20	29350-1001	F4B-9-10-24335-01	16.194,01

**NAUCO ST160/161-type pump**

Bronze body, neoprene impellers, to be connected to the engine.

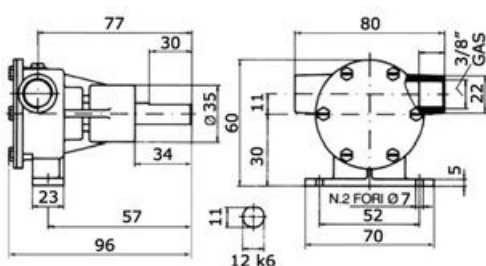
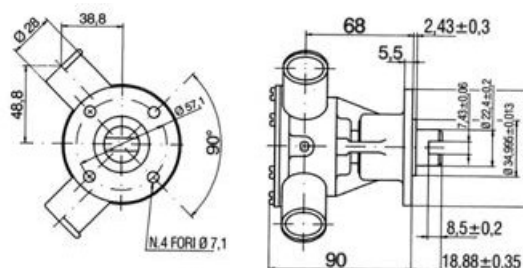
bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	50	55	85	90	130	170
0,3	48	51	81	100	120	155
1	40	44	73	92	105	131

Code	Spare motor	Equivalent item		Spare impeller
		Johnson	Volvo	
16.160.00	Volvo (Orig. ref. 3581558), KAD 32P/42/43/44/43P/44P engines	F7B9-03-24524	3581558	16.194.06

NAUCO FPR049-type pump

Bronze body, neoprene impellers, to be connected to the engine.

Code	Spare motor	Equivalent item Jabsco	Spare impeller
16.149,00	AIFO mod. 8041 and others	29500-1001	16.194,05

**NAUCO FPM005-type pump**

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	15	18	20	24	26	29

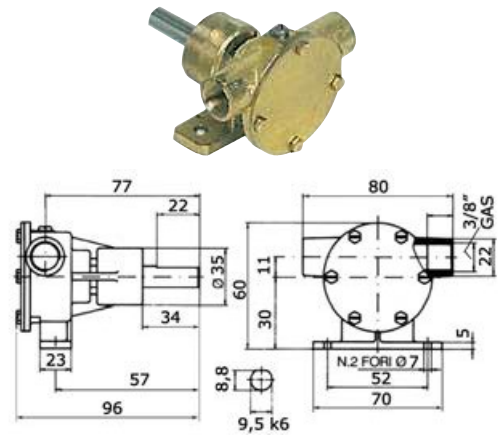
Code	Spare motor	Inlet	Flow l/min	Shaft mm	Equivalent item		Spare impeller	kg
					Jabsco	Johnson		
16.035.00	Up to 20 HP	3/8"	5/29	12 (11-mm key)	52010-2001	F35B-8-10-35038-1/9 without base	16.194.02	0.6

NAUCO FPM001 pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	15	18	20	24	26	29

Code	Spare motor	Inlet	Flow l/min	Shaft mm	Equivalent item		Spare impeller	kg
					Jabsco	Johnson		
16.035.01	up to 20 HP	3/8"	5/29	9,5 Key mm 8,8	52010-2001 (6640-200) (22940-2001)	F35B-8-10-35038-41	16.194.01	0.6

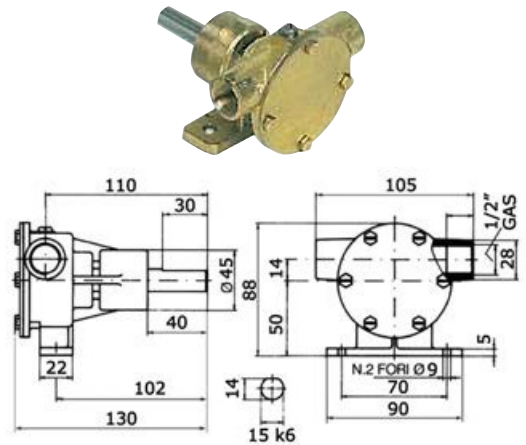


NAUCO PM16 pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	17,5	22,5	36	44	50	60

Code	Spare motor	Inlet	Flow l/min	Equivalent item Jabsco	Spare impeller	kg

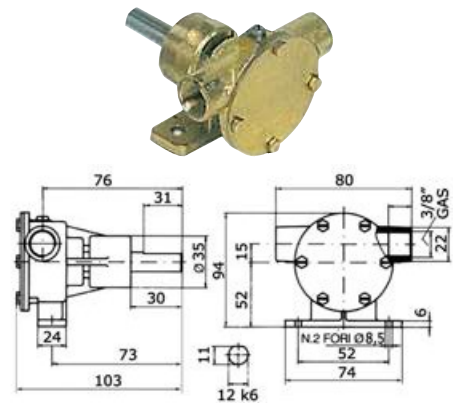


NAUCO PM38 pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	12	17	22	26	32	35

Code	Spare motor	Inlet	Flow l/min	Equivalent item		Spare impeller	kg
				Jabsco	Johnson		
16.036.00	up to 40 HP	3/8"	4/35	52020-2001	F4B-8-10-24074-1	16.194.11	1

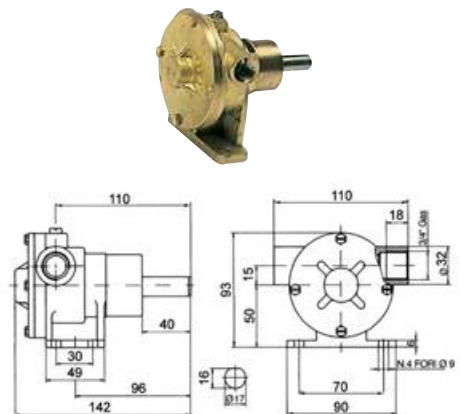


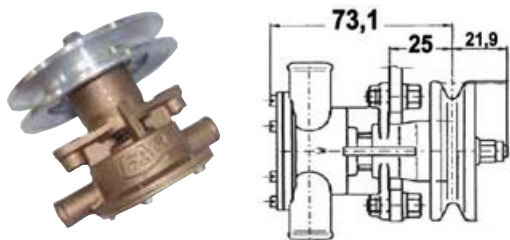
NAUCO PM34 pump

Bronze body, neoprene impellers, to be connected to the engine.

bar	Flow l/min				
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000
0	18	23	35	44	49
0,3	16	21	33	41	46
1	14	19	30,5	37,5	42

Code	Spare motor	Inlet	Flow l/min	Equivalent item		Spare impeller
				Jabsco	Johnson	
16.037.00	up to 150 HP	3/4"	12/48	52,040-2001	F5B-8-10-24073-1/9/11	16.194.05





NAUCO FPR313-type pump

Bronze body, neoprene impellers, to be connected to the engine.

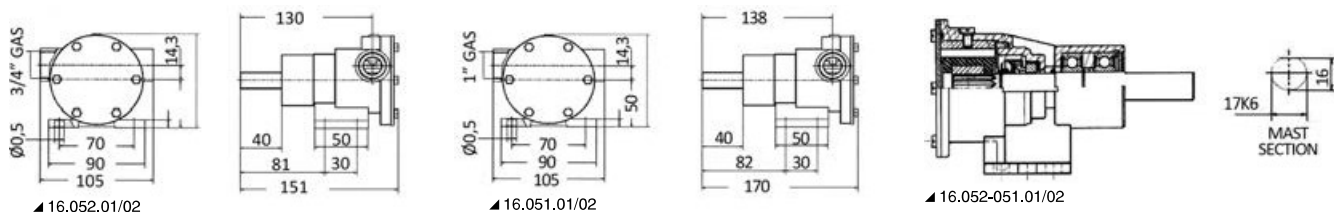
Code	Flow l/min	Equivalent to Johnson	Spare motor	Spare Impeller
16.040.00	20/60	F4B-903-10-24509-2	Yanmar 2GM/3GMF/3GM/3GMF	16.194.03

NAUCO 335-type pump

Bronze body, neoprene impellers, to be connected to the engine.



Code	Model	Equivalent	Inlet	Seal	Flow at 2000 RPM	Spare impeller
16.052.01	335	Johnson F7B-8-10-24571-01	3/4"	Mechanic	46 l	16.194.05
16.052.02	335	Johnson F7B-8-10-24571-13	3/4"	Rubber ring	46 l	16.194.05
16.051.01	336	Johnson F7B-8-10-24572-01	1"	Mechanic	107 l	16.194.26
16.051.02	336	Johnson F7B-8-10-24572-13	1"	Rubber ring	107 l	16.194.26



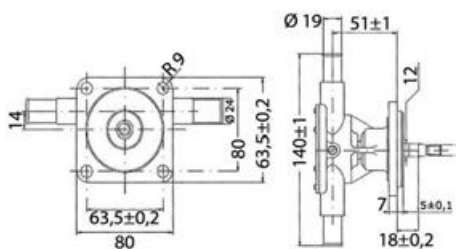
NAUCO 324485-type pump

Bronze body, neoprene impellers, to be connected to the engine.



bar	Flow l/min					
	700 rpm	900 rpm	1400 rpm	1750 rpm	2000 rpm	2500 rpm
0	13	16	23	25.5	28	32
0.3	11	12	20	22.5	25	29
1	5	10.5	15	18	20	25

Code	Spare motor	Outlets	Equivalent item	Spare impeller
16.067.01	Volvo MD2030/MD2040 Derkins M25/30/M3HD20 M35/M40/MC42 3HD46/M50/M60/M80T Stamegna SM40/70/160/180 SMV35	3/8"	Johnson F48-903; VOLVO 3593655; JABSCO 29450-1201; JABSCO 29450-1001; JABSCO 29450-1401; JABSCO 29450-1231; JABSCO 29450-1431; JABSCO 29450-1301	16.194.04



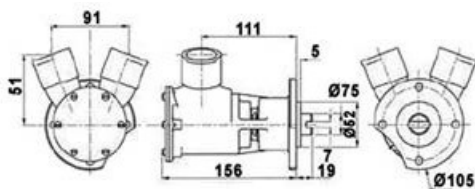
NAUCO 242437 pump

Bronze body, neoprene impellers, to be connected to the engine.



bar	Flow l/min					
	700 rpm	900 rpm	1400 rpm	1750 rpm	2000 rpm	2500 rpm
0	82	85	153	150	195	225
0.3	72	76	122	140	180	210
1	60	66	110	130	157	200

Code	Spare motor	Hose fitting	Equivalent item	Spare impeller
16.067.60	VM HR 694 H1D10-29700-1301 Mercurier D183-D254-29700-1331	45-mm Ø	Jabco 29700-1301 (7.5-mm cam) Jabco 29700-1331 (6-mm cam)	16.194.18

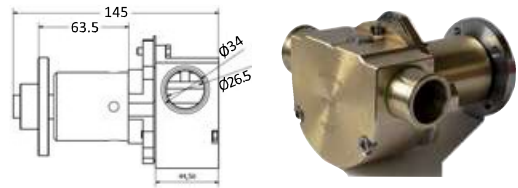


New NAUCO ST275-type pump

Brass body and neoprene impellers.

Bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	50	55	85	90	130	170
0.3	48	51	81	100	120	155
0.6	44	47	78	97.5	112	140
1	40	44	73	92	105	131
1.5	35	38	67	87	100	125

Code	Spare motor	Hose fitting	Equivalent item	Spare impeller
16.275.00	5-cylinder ONAN generators ORIG 132-0278	1" 1/4 (external)	Sherwood L10B	16.194.14

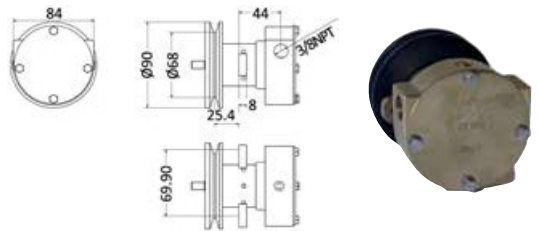


New NAUCO ST910-type pump

Brass body and neoprene impellers. Connection by means of a V-belt.

Bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	13	16	23	25.5	28	32
0.3	11	12	20	22.5	25	29
0.6	9	10.5	16.5	19	21	26
1	5	9.5	15	18	19	22

Code	Spare motor	Hose fitting	Equivalent item	Spare impeller
16.910.00	KOHLER generators	3/8"	Sherwood G910 Yanmar GM46936 GM104855	16.194.48

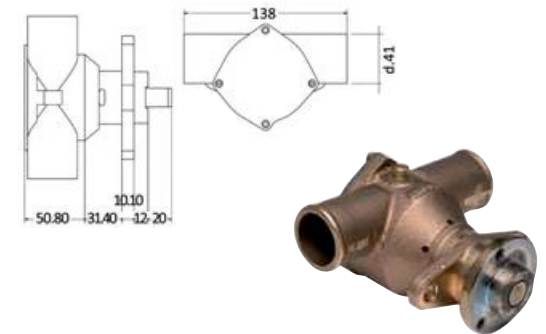


New NAUCO ST1016-type pump

Brass body and neoprene impellers.

Bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	50	55	85	90	130	170
0.3	48	51	81	100	120	155
0.6	44	47	78	97.5	112	140
1	40	44	73	92	105	131
1.5	35	38	67	87	100	125

Code	Spare motor	Hose fitting	Equivalent item	Spare impeller
16.100.16	Mercuriser	1" 1/2	Sherwood P1016 Mercuriser 854179001	16.194.14

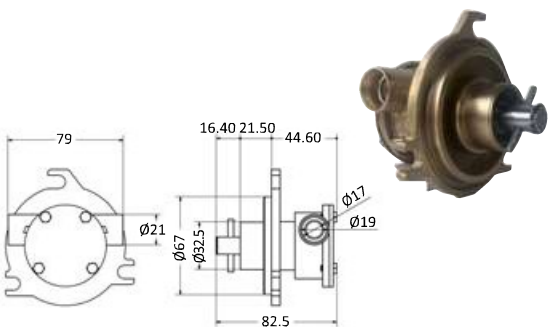


New NAUCO ST914-type pump

Brass body and neoprene impellers.

Bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	7	9	10.5	12.5	14	18
0.3	6	8	9.5	11	13	17
0.6	5	7	8.5	9.5	11.5	15
1	4	6	8	8.5	9.5	12

Code	Spare motor	Hose fitting	Equivalent item	Spare impeller
16.914.00	Volvo	17mm quick coupling	Johnson F35 B-9-24178	16.194.02

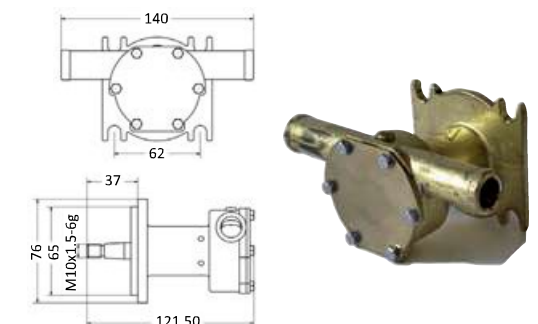


New NAUCO ST423-type pump

Brass body and neoprene impellers.

Bar	Flow l/min					
	rpm 700	rpm 900	rpm 1400	rpm 1750	rpm 2000	rpm 2500
0	13	16	23	25.5	28	32
0.3	11	12	2	22.5	25	29
0.6	9	10.5	16.5	19	21	26
1	5	9.5	15	18	19	22

Code	Spare motor	Hose fitting	Equivalent item	Spare impeller
16.423.00	Volvo MA 2030/2040	21 mm (external)	Johnson F4B-9-10-24465-01; Volvo 3580945; Jabsco 2950-1301	16.194.04



Impellers for inboard engine pumps

ACCESSORIES:

G: gasket

GT: gasket + cap

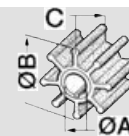
GX: gasket + nut

X: nut

CGT: key + gasket + cap






N: oil-resistant nitrile rubber

T: cap.



JABSCO pumps for inboard engines

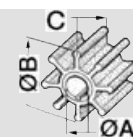
CEP impeller code	Accessories	Original ref.	CEP ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.00	-	7273-0001; 6303-001	110			7.31 / 8	50.8	22.1	6	7
16.194.16	-	21414-0001; 21411-0001; 1411-0001 1414-0001	113			8	31.3	11.9	6	1
16.194.22	-	14787-0001; 14609-0001; 1414-0001	130			8	31.75	12	6	3
16.194.29	T	17954-0001	109			16.85 / 19	66.5	50.6	8	20
16.194.32	N	1414-0003	230			8	31.75	12	6	1
16.194.38	-	6303-0001	138			7.31 / 8	51.3	22	6	8
16.194.52	-	17370-0001	152			20.2	95	88.5	12	15
16.194.58 New	-	17255-0003	258			18.8	39.1	18.9	6	4
16.193.73	N	6303-0003	238			7.31 / 8.07	51.3	22	6	8
16.194.79 New	-	50461-1001	157			13.42	57.18	50.25	10	18
16.194.81 New	-	50668	172			38.82	119.7	133	10	18
16.194.82 New	-	17954-0001	148			16.85 / 19	65	50.7	10	23
16.193.98	-	9200-0001	106GT			8	40	19	6	6
16.194.01	GX	4528-0001	100			9.5	39.6	18.94	6	4

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.02	GX	22405-0001; 21951342	121			12	39,6	19,2	6	4
16.194.03	GX	653-0001	101			12,17	50,8	22,1	6	7
16.194.04	GX	673-0001 (6 blades); 21951344; 22222936	116			12,66	50,8	22,1	6	7
16.194.31	GX-N	4528-0003	200			9,5	39,6	18,94	6	4
16.194.33	GX-N	673-0003	216			12,66	50,8	22,1	6	7
16.194.43	X	18653.0001	146			12,17	51,8	22	10	9
16.194.44	GX	673.0001	156			12,7	51,8	22	10	9
16.194.73	GX-N	653-0003	201			12,17	50,8	22,1	6	
16.194.05	GT	1210-0001; 3085-0001; 21951348; 21951346	107			14,29 / 16	57	31,6	12	26
16.194.06	GT	920-0001 (8 blades); 21951356	106			14,29 / 16	65	50,2	8	11
16.194.07	GT	836-0001	105			22,5 / 25,4	96	63,1	9	13
16.194.08	GT	17936-0001; 21676-0001	145			22,5 / 25,4	95	88,5	12	15
16.194.18	HD.K	17018-0001	187			14,29 / 16	65,2	76,65	8	11
16.194.23	-	13554-0001	124			14,29 / 16	57	48,2	12	26
16.194.24	T	17935-0001	135T			22,5 / 25,4	95	63,1	12	15
16.194.25	GT	22120-0001	104			14,29 / 16	57	50,2	12	26
16.194.26	T	17937-0001	114			14,29 / 16	65	50,1	10	20
16.194.34	GT-N	836-0003	205			22,5 / 25,4	96	63,1	9	13
16.194.35	GT-N	1210-0003	207			14,29 / 16	57	31,6	12	26



















CEF Impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.36	T-N	17937-003	214			14,29 / 16	65	50,1	10	20
16.194.37	GT-N	920-0003	206			14,29 / 16	65	50,2	8	11
16.194.40	T	6760-0001	115T			22,5 / 25,4	95	88,5	9	13
16.194.45	-	31130-0061	161			22,5 / 25,4	95	63,1	12	15
16.194.54	-	11979-0001	155			14,29 / 16	65	36,5	8	11
16.194.57	GT	17018-0001 B	177.GT			14,29 / 16	65,2	75,65	8	11
16.194.09	CGT	4568-0001	108			15,93 / 16	57	31,6	12	26
16.194.10	T	4598-0001	102			15,9 / 16	65	50,2	8	11
16.194.13	-	22799-0001	129			12,75	50,8	22,1	6	7
16.194.14	GT	18948-0001	120			15,9	65,2	41,3	12	21
16.194.15	GT	18958-0001	164			20,1	84	73,5	12	24
16.194.17	GT	18838-0001	103			15,9	62	31,7	12	22
16.194.39	CGT-N	4568-0003	208			15,9	57	31,6	12	26
16.194.42	G	18327-0001	167			16	65	51,2	12	20
16.194.67	GT	1877-0001; 22120-0001; 876120	133GT			14,29 / 16	57,18	50,25	10	-
16.194.77	-	17240-0001; 18789-0001	144			22,5 / 25,4	117,6	88,5	9	28
16.194.78	G	18786-0001	153		-	20,2	117,6	88,5	9	28
16.194.80	G	17938-0001	163			22,5 / 25,4	95	95	12	15

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

JOHNSON inboard engines

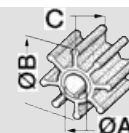
















CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	09-0806B	100			9.54	39.6	18.94	6	4
16.194.02	GX	09-808B	121			12	39.6	19.2	6	4
16.194.03	GX	09-0810B	101			12.17	50.8	22.1	6	7
16.194.04	GX	09-1026B	116			12.66	50.8	22.1	6	7
16.194.38	-	09-824P; 09-834	138			7.31 / 8	51.3	22	6	8
16.194.31	GX-N	09-0806B-9	200			9.54	39.6	18.94	6	4
16.194.33	GX-N	09-1026B-9	216			12.66	50.8	22.1	6	7
16.194.73	GX-N	09-810B-9	201			12.17	50.8	22.1	6	-
16.194.05	GT	09-1027B	107			14.29 / 16	57	31.6	12	26
16.194.06	GT	09-1028B	106			14.29 / 16	65	50.2	8	11
16.194.07	GT	09-1029B	105			22.5 / 25.4	96	63.1	9	13
16.194.08	GT	09-814B	145			22.5 / 25.4	95	88.5	12	15
16.194.23	-	09-0812B	124			14.29 / 16	57	48.2	12	26
16.194.24	T	09-0819B	135T			22.5 / 25.4	95	63.1	12	15
16.194.26	T	1028B	114			14.29 / 16	65	50.1	10	20
16.194.34	GT	09-1029B-9	205			22.5 / 25.4	95	63.1	9	13
16.194.35	GT	09-1027B-9	207			14.29 / 16	57	31.6	12	26

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.37	GT	09-1028-B-9	206			14,29 / 16	65	50,2	8	11
16.194.40	T	09-0802B	115T			22,5 / 25,4	95	88,5	9	13
16.194.60	T	09-820B	186			22,5 / 25,4	96,5	130	12	15
16.194.62	G	09-821B	162			22,5 / 25,4	65,8	80	12	21
16.194.84	CG	09-801-B	170			16	57	31,6	12	26
16.194.41	-	09-1052S-9	232			8	44,6	13	6	5
16.193.73	-	09-824P9	238			7,31 / 8,07	51,3	22	6	8
16.194.13	-	09-827	129			12,75	50,8	22,1	6	7
16.194.51	-	09-1052B	132			8	44,6	13	6	8

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

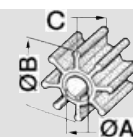
AIFO inboard engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.05	GT	4913429	107			14,29 / 16	57	31,6	12	26
16.194.06	GT	8108228	106			14,29 / 16	65	50,2	8	11
16.194.08	GT	8112451	145			22,5 / 25,4	95	88,5	12	15
16.194.26	T	8112772	114			14,29 / 16	65	50,1	10	20
16.194.36	T-N	8112772	214			14,29 / 16	65	50,1	10	20
16.194.37	GT-N	8108228	206			14,29 / 16	65	50,2	8	11
16.194.16	-	828MTEA	113			8	31,3	11,9	6	1

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

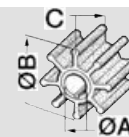
SHERWOOD pumps for inboard engines



CEF Impeller code	Accessories	Original Ref.	CEF Ref.	Picture	Insert	A Ø (Inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	9979	100			9,54	39,6	18,94	6	4
16.194.10	T	10187; 12338	102			15,9	65	50,2	8	11
16.194.14	GT	10615K	120			15,9	65,2	41,3	12	21
16.194.15	GT	17000K	164			20,1	84	73,5	12	24
16.194.17	GT	9959K	103			15,9	62	31,7	12	22
16.194.31	GX-N	9979	200			9,54	39,6	18,94	6	4
16.194.36	T	18200	214			14,29 / 16	65	50,1	10	20
16.194.42	G	15000K	167			16	65	51,2	12	20
16.194.48	G	9000K	165			15,95	62,2	22,4	12	22
16.194.49	-	10077K	166			12,8	56,6	19,8	12	26
16.194.61	New GX	22000K	179			20,7	114,3	109,5	10	18
16.194.63	G	27000K	181			16,1	84	73	12	24
16.194.64	GX	18000K	182			20,7	94,5	101,5	12	15
16.194.65	New G	26000K	183			20	94,5	79,8	12	15
16.194.66	G	10077	166			12,8	56,6	19,8	12	-
16.194.55	G	8000K	190			12,2	19	40	6	4
16.194.26	T	18200	114			14,29 / 16	65	50,1	10	20
16.194.75	GX	29000K	192			20	94,5	101,5	12	15
16.194.82	New -	19000K	148			16,85 / 19	65	50,7	10	23

Accessories: G: gasket; GT: gasket + cap; GX: gasket + nut; N: oil resistant nitrile rubber; X: nut; CGT: key + gasket + cap; T: cap.

VOLVO inboard engines

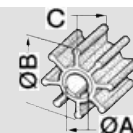






















CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	803729; 875807-0; 3586494; 876554-7; 833550; 21972908; 3586494	100			9,54	39,6	18,94	6	4
16.194.02	GX	875583; 833995; 21951342; 3586496	121			12	39,6	19,2	6	4
16.194.03	GX	876097	101			12,17	50,8	22,1	6	7
16.194.04	GX	8758C3; 3593659; 3596497; 21213660; 804696; 875808-8; 876690; 21951344; 897055; 3580066; 3586497; 22222936	116			12,66	50,8	22,1	6	7
16.194.31	GX-N	803729; 875807-0; 876554-7	200			9,54	39,6	18,94	6	4
16.194.05	GT	3862281; 875811-2; 877400; 21951346; 3858256; 3862567; 3855546; 3856039; 21951348	107			14,29 / 16	57	31,6	12	26
16.194.57	GT	3583602; 3593573; 3588476; 3819486; 21730348; 3588474	177			14,29 / 16	65,2	75,65	8	11
16.194.06	GT	877061; 875593-6; 3841697; 21951356; 801277; 825941	106			14,29 / 16	65	50,2	8	11
16.194.07	GT	875736-1; 2430184; 875660-3; 807904; 21730344; 21951360	105			22,5 / 25,4	96	63,1	9	13
16.194.08	GT	875814; 875697; 21951364	145			22,5 / 25,4	95	88,5	12	15
16.194.24	T	877066; 21951362	135			22,5 / 25,4	95	63,1	12	15
16.194.25	T	876120-7; 834794	104			14,29 / 16	57	50,2	12	26
16.194.26	T	3588475	114			14,29 / 16	65	50,1	10	20
16.194.27	G	3842786; 21213664; 21951352; 3593660; 21212794; 3584350; 3588914	178			14,29 / 16	57	48,2	12	26
16.194.34	GT-N	875660; 2430184; 875736; 807904	205			22,5 / 25,4	96	63,1	9	13
16.194.37	GT-N	877061-2; 875593-2; 3841697-2	206			14,29 / 16	65	50,2	8	11
16.194.62	G	876771; 3887761; 21951358; 22994993	162			22,5 / 25,4	65,8	80	12	21
16.194.56	GT	21213660; 3862567; 21951348	189			16	57	32,05	12	-
16.194.09	CGT	875575-3; 831182	108			15,93	57	31,6	12	26

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.10	T	818680	102			15,9	65	50,2	8	11
16.194.14	GT	835874	120			15,9	65,2	41,3	12	21
16.194.17	GT	835512-5; 3854286	103			15,9	62	31,7	12	22
16.194.19	-	3555413-8	380			10	39,6	14,3	12	14
16.194.67	G	834794; 876120	133			14,29	57,18	50,25	10	10
16.194.80	G	3830459	163			22,5 / 25,4	95	95	12	15
16.194.84	CG	875575-3; 831182; 21951350	170			16	57	31,6	12	26

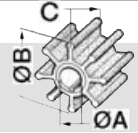
Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

MERCRUISER inboard engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.06	GT	47-801332602	106			14,29 / 16	65	50,2	8	11
16.194.18	-	D183/254	187			14,29 / 16	65,2	75,65	8	11
16.194.20	X	312-11-008	123			12	52	25	6	7
16.194.21	X	321-11-008	131			10	39,6	19,2	6	4
16.194.26	T	MB616; SF15/18; 6035413	114			14,29 / 16	65	50,1	10	20
16.194.29	T	47-59362 Bravo I/11 47-59362-TQ01	109			16,85 / 19	66,5	50,6	8	20
16.194.36	T-N	MB616; SF15/18; 6035413	214			14,29 / 16	65	50,1	10	20
16.194.45	-	47-831311350	161			14,29 / 16	65	68,2	10	23
52.320.04	G	47-89984 47-65960; 47-30221; 47-803631T; 47-F694065	313			22,3	60	33,8	6	12
52.301.00	N	47-43026-T2 47-430262-Q02; 47-11590M; 47-43026-2	301			22,4	89	32,5	6	16

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

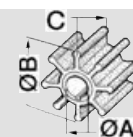


YANMAR inboard engines

CEF Impeller code	Accessories	CEF. Ref.	Original Ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	New GX	100	104211-42070 104211-42071			9,54	39,6	18,94	6	4
16.194.31	GT-N	200	104211-42070			9,54	39,6	18,94	6	4
16.194.05	New GT	107	129470-42530 129470-42532 129670-42531 127610-42270			14,29 / 16	57	31,6	12	26
16.194.06	GT	106	127610-42200 120650-42310			14,29 / 16	65	50,2	8	11
16.194.23	New -	124	119773-42600-1			14,29 / 16	57	48,2	12	26
16.194.26	New T	114	127610-42200			14,29 / 16	65	50,1	10	20
16.194.45	New -	161	119593-42200 119593-42202			14,29 / 16	65	68,2	10	23
16.194.09	New CGT	108	145410-46090 124310-46090			15,93 / 16	57	31,6	12	26
16.194.13	New -	129	124223-42091 124223-42092 128296-42070 128620-42200			12,75	50,8	22,1	6	7
16.194.14	GT	120	128170-02070			15,9	65,2	41,3	12	21
16.194.39	GT-N	208	124310-46090			15,93	57	31,6	12	26
16.194.16	New -	113	128176-42071			8	31,3	11,9	6	1
16.194.22	New -	130	128170-42070			8	31,75	12	6	3
16.194.32	N	230	128176-42071			8	31,75	12	6	1
16.194.62	New G	162	119574-42550/52			22,5 / 25	65,8	80	12	21
16.193.73	GX-N	238	(pour Water Puppy)			7,31 / 8,07	51,3	22	6	8
16.194.75	-	192	128620-42201			20	94,5	101,5	12	29
16.194.03	New GX	101	128990-42200			12,17	50,8	22,1	6	7
16.194.48	New G	165	128620-42200			15,95	62,2	22,4	12	22
16.194.80	New G	163	14867-42830			22,5 / 25,4	95	95	12	15

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

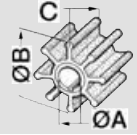
ANCOR pumps for inboard engines



CEF impeller code	Accessories	CEF ref.	Original ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.00	-	110	2745			7.31 / 8	50.08	22.1	6	7
16.194.16	-	113	50013			8	31.3	11.9	6	1
16.194.01	GX	100	50010			9.54	39.6	18.94	6	4
16.194.02	GX	121	50021			12	39.6	19.2	6	4
16.194.31	GX-N	200	50010			9.54	39.6	18.94	6	4
16.194.05	GT	107	50007			14.29 / 16	57	31.6	12	26
16.194.07	GT	105	50005			22.5 / 25.4	96	63.1	9	13
16.194.08	GT	145	50045			22.5 / 25.4	95	88.5	12	15
16.194.24	T	135T	50035			22.5 / 25.4	95	63.1	10	15
16.194.25	T	104	5022			14.29 / 16	57	50.2	12	26
16.194.26	T	114	50009			14.29 / 16	65	50.1	10	20
16.194.34	GT-N	205	50005; 50405			22.5 / 25.4	96	63.1	9	13
16.194.35	GT-N	207	50407			14.29 / 16	57	31.6	12	26
16.194.36	T-N	214	50009			14.29 / 16	65	50.1	10	20
16.194.40	T	115T	50015			22.5 / 25.4	95	88.5	9	13
16.194.13	-	129	50016			12.75	50.8	22.1	6	7
16.194.14	GT	120	50020			15.9	65.2	41.3	12	21
16.194.17	GT	103	50003			15.9	62	31.7	12	22

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

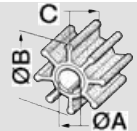
OBERDORFER pumps for inboard engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.10	T	6603	102			15.9	65	50.2	8	11
16.194.14	GT	8922	120			15.9	65.2	41.3	12	21
16.194.16	-	24880178	113			8	31.3	11.9	6	1
16.194.38	-	6617	138			7.31 / 8	51.3	22	6	8
16.194.24	T	7054; J050035	135T			22.5 / 25.4	95	63.1	12	15
16.194.26	T	7441	114			14.29 / 16	65	50.1	10	20
16.194.36	T-N	7441	214			14.29 / 16	65	50.1	10	20
16.194.00	New	-	6617			7.31 / 8	50.8	22.1	6	7
16.194.06	New	GT	7441			14.29 / 16	65	50.2	8	11
16.194.07	New	GT	C7054			22.5 / 25.4	96	63.1	9	13
16.194.09	New	CGT	B6620			15.93 / 16	57	31.6	12	26
16.194.37	New	GT	C7441			14.29 / 16	65	50.2	8	11

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

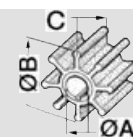
KOHLER generators



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø mm	B Ø mm	C mm	Blades	Profile No.
16.194.48	G	229826	165			15.95	62.12	22.4	12	22
16.194.13	-	250872 229955	129			12.75	50.8	22.1	6	7
16.194.55	-	359978	190.G			12.2	19	40	6	4

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

ONAN generators

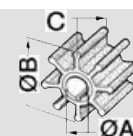


CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	132-0859	100			9,54	39,6	18,94	6	4
16.194.02	GX	132-0310; OE132-0311	121			12	39,6	19,2	6	4
16.194.31	GX-N	132-0859	200			9,54	39,6	18,94	6	4
16.194.05	GT	132-0162; 08-21-1201	107			14,29 / 16	57	31,6	12	26
16.194.24	T	500135	135T			22,5 / 25,4	95	63,1	12	15
16.194.17	GT	132-0117 / 132-0317	103			15,9	62	31,7	12	22
16.194.55	-	OE132-0395; OE132-0407; OE132-0415; OE132-0430; OE132-0493	190,G			12,2	19	40	6	4
16.194.14	GT	132-0349	120			15,9	65,2	41,3	12	21
16.194.06	New GT	132-0436	106			14,29 / 16	65	50,2	8	11
16.194.66	New G	132-0358	166			12,8	56,6	19,8	12	-

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

New

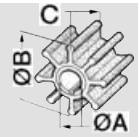
DETROIT engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.06	GT	5193602	106			14,29 / 16	65	50,2	8	11
16.194.07	GT	5193553	105			22,5 / 25,4	96	63,1	9	13
16.194.08	GT	5196168	145			22,5 / 25,4	95	88,5	12	15
16.194.24	T	8924838	135			22,5 / 25,4	95	63,1	12	15

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

CATERPILLAR inboard engines

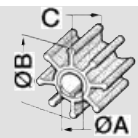


CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (Inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.195.05	New	GT	2323198 2323198	107		14,29 / 16	57	31,6	12	4
16.194.06		GT	263-7536	106		14,29 / 16	65	50,2	8	11
16.194.07	New	GT	1L4774	105		22,5 / 25,4	96	63,1	9	13
16.194.08		GT	4L8470	145		22,5 / 25,4	95	88,5	12	15
16.194.24		T	5N9360;5L60 42; 1W9046	135T		22,5 / 25,4	95	63,1	12	15
16.194.26	New	T	7C-3286	114T		14,29 / 16	65	50,1	10	20
16.194.37		GT-N	3N1906	206		14,29 / 16	65	50,2	8	11
16.194.52	New	-	3N4859	152		20,2	92	88,5	12	15
16.194.57		-	3N5895	177.GT		14,29 / 16	65,2	75,65	8	11
16.194.15		-	1W5664; OE7E0321	164		20,1	84	73,5	12	24
16.194.61	New	GX	1539123	179		20,7	114,3	109,5	10	18

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

New

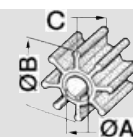
JMP pumps for inboard engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (Inner/outer) mm	Ø B mm	C mm	Blades	Profile No.
16.194.14		GT	09-702B	120		15,9	65,20	41,3	12	21
16.194.59		-	J09-838S	185		25,4	94	63	11	17
16.194.64		GX	09-705BT-1	182		20,7	94,5	101,5	12	15

Accessories: G: gasket; GT: gasket + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

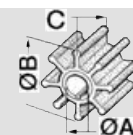
WESTERBEKE generators



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø mm	B Ø mm	C mm	Blades	Profile No.
16.194.66	G	33100; 11764; 33112	166			12,8	56,6	19,8	12	-
16.194.02	GX	46622; 32620	121			12	39,6	19,2	6	4
16.194.48	G	302875	165			15,95	62,2	22,4	12	22
16.194.17	GT	33104; 11907; 11418	103			15,9	62	31,7	12	22
16.194.03	GX	34440	101			12,17	50,8	22,1	6	7
16.194.05	New	GT	302571	107		14,29 / 16	57	31,6	12	26
16.194.14	New	GT	33779	120		15,9	65,20	41,3	12	21

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

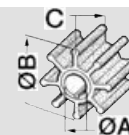
YAMAHA / SOLE inboard engines



CEF impeller code	Accessories	Original reference	CEF Ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.05	GT	351.11.008	107			14,29 / 16	57	31,6	12	26
16.194.06	GT	347.11.008	106			14,29 / 16	65	50,2	8	11
16.194.37	GT-N	347.11.008	206			14,29 / 16	65	50,2	8	11
16.194.14	GT	6TA-12457-00	120			15,9	65,20	41,3	12	21
16.194.17	GT	YSC-101-03- 01-OC	103			15,9	62	31,7	12	22
16.194.20	X	Mini 11-17-23- 26-34-48; 31211008	123			12	52	25	6	7
16.194.21	X	11-16-25-31-45 hp; 32111008	131			10	39,6	19,2	6	4

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

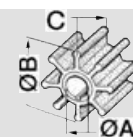
PERKINS inboard engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	24880272	100			9,54	39,6	18,94	6	4
16.194.04	GX	24880194	116			12,66	50,8	22,1	6	7
16.194.31	GX-N	24990272	200			9,54	39,6	18,94	6	4
16.194.33	GX-N	24880194	216			12,66	50,8	22,1	6	7
16.194.05	GT	0460038/ 24880190	107			14,29 / 16	57	31,6	12	26
16.194.06	GT	24880031	106			14,29 / 16	65	50,2	8	11
16.194.08	GT	0460027	145			22,5 / 25,4	95	88,5	12	15
16.194.24	T	7054	135T			22,5 / 25,4	95	63,1	12	15
16.194.26	T	04600247/ 24880031/ 460024	114			14,29 / 16	65	50,1	10	20
16.194.37	GT-N	24880031	206			14,29 / 16	65	50,2	8	11
16.194.62	G	119574-42550	162			22,5 / 25,4	65,8	80	12	21
16.194.14	GT	NA900012	120			15,9	65,2	41,3	12	21
16.194.17	GT	NA9000107/ 24880178	103			15,9	62	31,7	12	22
16.194.44	GX	24880194	156			12,66	51,8	22	10	9
16.194.07	New GT	460027	105			22,5 / 25,4	96	63,1	9	13

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

RENAULT inboard engines

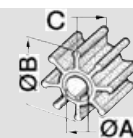


CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	RC16D	100		-	9.54	39.6	18.94	6	4
16.194.06	GT	RC320D	106			14.29 / 16	65	50.2	8	11
16.194.37	GT-N	RC320D	206			14.29 / 16	65	50.2	8	11
16.194.10	T	48300008	102			15.9	65	50.2	8	11
16.194.11	-	all Renault 20/ 80HP 48300037; 48300055	127			10	50.8	22.1	6	7
16.194.12	-	4830006/07	128			17	66	32	8	11
16.194.31	GX-N	RC16D	200			9.54	39.6	18.94	6	4
16.194.07	GT	RC210D	105			22.5 / 25.4	96	63.1	9	13
16.194.28	New T	48300008	122			17	65	48.6	8	11

Accessories: G: gasket; GT: gaskets + cap; GX: gasket + nut; X: nut; CGT: key + gasket + cap; N: oil-resistant nitrile rubber; T: cap.

New

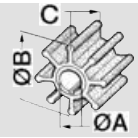
LOMBARDINI engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No.
16.194.01	GX	100	875807			9.54	39.6	18.94	6	4
16.194.02	GX	121	42001940			12	39.6	19.2	6	4
16.194.03	GX	101	42001960			12.17	50.8	22.1	6	7
16.194.04	GX	116	42001930			12.66	50.8	22.1	6	7
16.194.06	GT	106	42002060			14.29 / 16	65	50.2	8	11
16.194.43	X	146	42002040			12.17	51.8	22	10	9

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

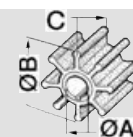
VETUS inboard engines



CEF impeller code	Accessories	Original Ref.	CEF Ref.	Picture	Insert	A Ø (Inner/outer) mm	B Ø mm	C mm	Blades	Profile No.
16.194.01	GX	501	100			9,54	39,6	18,94	6	4
16.194.02	GX	601	121			12	39,6	19,2	6	4
16.194.03	GX	801	101			12,17	50,8	22,1	6	7
16.194.04	New GX	101	116			12,66	50,8	22,1	6	7
16.194.31	GX-N	501	200			9,54	39,6	18,94	6	4
16.194.43	X	00701	146			12,17	51,8	22	10	9
16.194.05	GT	201	107			14,29 / 16	57	31,6	12	26
16.194.06	GT	301	106			14,29 / 16	65	50,2	8	11
16.194.07	GT	901	105			22,5 / 25,4	96	63,1	9	13
16.194.08	GT	801	145			22,5 / 25,4	95	88,5	12	15
16.194.26	T	301	114			14,29 / 16	65	50,1	10	20
16.194.34	GT-N	901	205			22,5 / 25,4	95	63,1	9	13
16.194.36	T-N	301	214			14,29 / 16	65	50,1	10	20
16.194.13	-	101	129			12,75	50,8	22,1	6	7
16.193.73	N	50011	238			7,31 / 8,07	51,3	22	6	8
16.194.41	New -	401	232			8	44,6	13	6	5

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

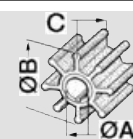
NANNI diesel engines



CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	B Ø mm	C mm	Blades	Profile No
16.194.01	New GX	908200300	100			9,54	39,6	18,94	6	4
16.194.02	GX	FK2,40E/HE,2,60H, KLA,L30,3,90; OE970434013	121			12	39,6	19,2	6	4
16.194.43	X	FK3, 2345H2, 2.50HE, 2.60HE, 3.75HE, 3.90H/HE, 4.110.H, 4.410.M	146			12,17	51,8	22	10	9
16.194.05	GT	3,100HE, 3,110HE, 4,110HE, 4,150HE, 4,180, 4,190HE, 4,200HE, MB180,220,330; 970604530	107			14,29 / 16	57	31,6	12	26
16.194.26	T	4,220HE, 4330TDi, 4,440E, 5,280HE, 5,250TDi, 5,300/T, 6,280HE, 6,570T, 6,660E/LE, 970544310	114			14,29 / 16	65	50,1	10	20
16.194.06	GT	4,230, 4,240, 4,380, 5,300, 970312423	106			14,29 / 16	65	50,2	8	11
16.194.24	T	1300, 1600	135			22,5 / 25,4	95	63,1	12	15
16.194.11	New -	48300250	127			10	50,8	22,1	6	7
16.194.12	New -	48300251	128			17	66	32	8	11
16.194.28	New T	48300008	122			17	65	48,6	8	11

New

SOLE' / DIESEL engines

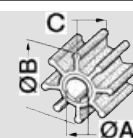


CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.26	T	114	34711008			14,29 / 16	65	50,1	10	20
16.194.45	-	161	39411008			14,29 / 16	65	68,2	10	23

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

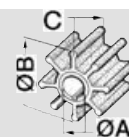
New

KOHLER generators
































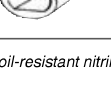


CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.06	GT	106	352122			14,29 / 16	65	50,2	8	11

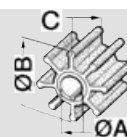
Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

New**DJ PUMP pumps for inboard engines**

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.01	GX	100	08-41-0601			9.54	39.6	18.94	6	4
16.194.02	GX	121	08-31-0601			12	39.6	19.2	6	4
16.194.03	GX	101	08-39-0601			12.17	50.8	22.1	6	7
16.194.04	GX	116	09-108-0601			12.66	50.8	22.1	6	7
16.194.05	GT	107	08-21-1201			14.29 / 16	57	31.6	12	26
16.194.06	GT	106	001-0801			14.29 / 16	65	50.2	8	11
16.194.07	GT	105	003-0901			22.5 / 25.4	96	63.1	9	13
16.194.08	GT	145	086-1201			22.5 / 25.4	95	88.5	12	15
16.194.09	CGT	108	08-22-1201			15.93 / 16	57	31.6	12	26
16.194.10	T	102	08-46-0801			15.9 / 16	65	50.2	8	11
16.194.13	-	129	08-37-0601			12.75	50.8	22.1	6	7
16.194.14	GT	120	08-20-1201			15.9	65.2	41.3	12	21
16.194.17	GT	103	08-38-1201			15.9	62	31.7	12	22
16.194.23	-	124	09-105-1201			14.29 / 16	57	48.2	12	26
16.194.24	T	135	003-1201			22.5 / 25.4	95	63.1	12	15
16.194.29	T	109	09-201-1003			16.85 / 19	66.5	50.6	8	20

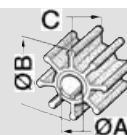
CEF Impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.37	GT	206	001-0801N			14.29 / 16	65	50.2	8	11
16.194.40	T	115	086-0901			22.5 / 25.4	95	88.5	9	13
16.194.45	-	161	09-42-1001			14.29 / 16	65	68.2	10	23
16.194.48	G	165	09-106-1201			15.95	62.2	22.4	12	22
16.194.52	-	152	088-1201			20.2	95	88.5	12	15
16.194.55	G	190	09-107-0601			12.2	19	40	6	4
16.194.60	T	186	08-30-1201			22.5 / 25.4	96.5	130	12	15
16.194.61	GX	179	09-49-1001T			20.7	114.3	109.5	10	18
16.194.62	G	162	09-44-1201			22.5 / 25	65.8	80	12	21
16.194.64	GX	182	08-33-1201			20.7	94.5	101.5	12	15
16.194.65	G	183	08-34-1201			20	94.5	79.8	12	15
16.194.66	G	166	08-32-1201			12.8	56.6	19.8	12	-
16.194.77	-	144	08-14-1001			22.5 / 25.4	117.6	88.5	9	28
16.194.78	G	153	08-15-1001		-	20.2	117.6	88.5	9	28
16.194.79	-	157	008-1001		-	13.42	57.18	50.25	10	18
16.194.80	G	163	09-45-1201			22.5 / 25.4	95	95	12	15
16.194.82	-	148	09-201-1001			16.85 / 19	65	50.7	10	23

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.







































New**CUMMINS engines**

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.06	GT	650607	106			14,29 / 16	65	50,2	8	11
16.194.07	GT	10556540	105			22,5 / 25,4	96	63,1	9	13
16.194.08	GT	008503	145			22,5 / 25,4	95	88,5	12	15
16.194.26	T	879194186	114			14,29 / 16	65	50,1	10	20
16.194.52	-	217308	152			20,2	95	88,5	12	15
16.194.55	G	132-0415	190			12,2	19	40	6	4
16.194.63	G	3974456	181			16,1	84	73	12	24
16.194.64	GX	4933743	182			20,7	94,5	101,5	12	15

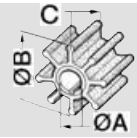
Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

New**JMP pumps for inboard engines**

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.01	GX	7001-01	100			9,54	39,6	18,94	6	4
16.194.02	GX	7000-01	121			12	39,6	19,2	6	4
16.194.03	GX	7050-01	101			12,17	50,8	22,1	6	7
16.194.04	GX	7051-01	116			12,66	50,8	22,1	6	7
16.194.05	GT	7100-01	107			14,29 / 16	57	31,6	12	26
16.194.06	GT	7400-01	106			14,29 / 16	65	50,2	8	11
16.194.07	GT	8000-01	105			22,5 / 25,4	96	63,1	9	13

CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.08	GT	8301-01	145			22,5 / 25,4	95	88,5	12	15
16.194.10	T	7410-01	102			15,9 / 16	65	50,2	8	11
16.194.13	-	7052-01	129			12,75	50,8	22,1	6	7
16.194.14	GT	7300-01	120			15,9	65,2	41,3	12	21
16.194.22	-	6000-01	130			8	31,75	12	6	3
16.194.24	T	8100-01	135			22,5 / 25,4	95	63,1	12	15
16.194.26	T	7400-01	114			14,29 / 16	65	50,1	10	20
16.194.38	-	7053-01	138			7,31 / 8	51,3	22	6	8
16.194.40	T	8200-01	115			22,5 / 25,4	95	88,5	9	13
16.194.43	X	7070-01	146			12,17	51,8	22	10	9
16.194.44	GX	7071-01	156			12,66	51,8	22	10	9
16.194.45	-	7420-01	161			14,29 / 16	65	68,2	10	23
16.194.48	G	7172-01	165			15,95	62,2	22,4	12	22
16.194.52	-	8300-01	152			20,2	95	88,5	12	15
16.194.55	G	7013-01	190			12,2	19	40	6	4
16.194.57	GT	7446-01	177			14,29 / 16	65,2	75,65	8	11
16.194.66	G	7110-01	166			12,8	56,6	19,8	12	-
16.194.77	-	9001-01	144			22,5 / 25,4	117,6	88,5	9	28
16.194.80	G	8326-01	163			22,5 / 25,4	95	95	12	15

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

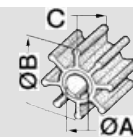
New**KAISHYAMA engines**

CEF Impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.05	GT	SP-30C	107			14.29 / 16	57	31.6	12	26
16.194.04	GX	3KL	116			12.66	50.8	22.1	6	7
16.194.06	GT	SP-70	106			14.29 / 16	65	50.2	8	11
16.194.07	GT	SP-220	105			22.5 / 25.4	96	63.1	9	13
16.194.08	GT	SP-280	145			22.5 / 25.4	95	88.5	12	15
16.194.13	-	2QM	129			12.75	50.8	22.1	6	7
16.194.26	T	SP-70	114			14.29 / 16	65	50.1	10	20
16.194.29	T	AH-70	109			16.85 / 19	66.5	50.6	8	20
16.194.52	-	FT-A6	152			20.2	95	88.5	12	15
16.194.59	-	FT-A4	185			25.4	94	63	11	17
16.194.80	G	SP-300	163			22.5 / 25.4	95	95	12	15
16.194.84	CG	SP-30K	170			16	57	31.6	12	26
16.194.01	GX	YS12	100			9.54	39.6	18.94	6	4
16.194.05	GT	KP-30	107			14.29 / 16	57	31.6	12	26
16.194.06	GT	SP-70	106			14.29 / 16	65	50.2	8	11
16.194.07	GT	SP-200/220	105			22.5 / 25.4	96	63.1	9	13
16.194.14	GT	SP-60	120			15.9	65.20	41.3	12	21
16.194.40	T	SP-280	115			22.5 / 25.4	95	88.5	9	13
16.194.45	-	SP-130	161			14.29 / 16	65	68.2	10	23

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

New

NIKKISO engines

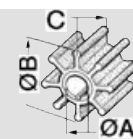


CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.05	GT	107	F15CBC			14,29 / 16	57	31,6	12	26
16.194.06	GT	106	F20CBC			14,29 / 16	65	50,2	8	11
16.194.07	GT	105	F40CBC			22,5 / 25,4	96	63,1	9	13

Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

New

YAMAHA engines



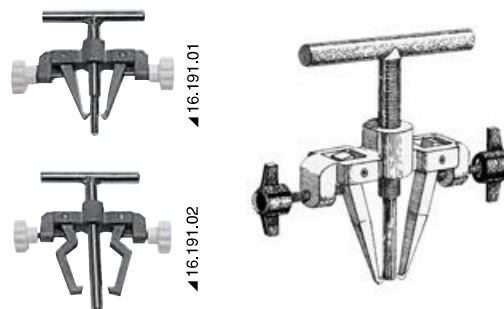
CEF impeller code	Accessories	Original ref.	CEF ref.	Picture	Insert	A Ø (inner/outer) mm	Ø B mm	C mm	Blades	Profile No
16.194.23	-	124	6TA-12457-00			14,29 / 16	57	48,2	12	26

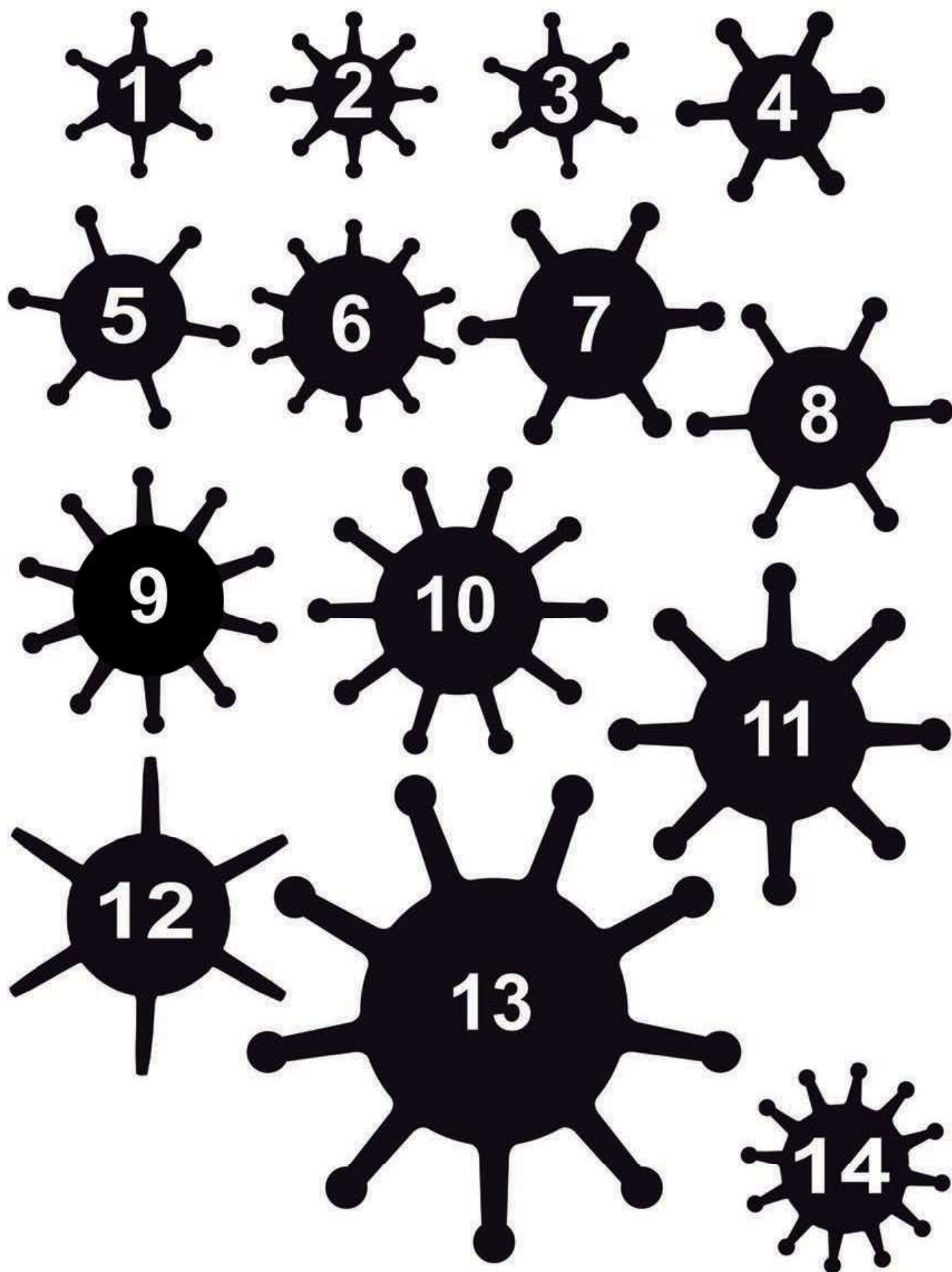
Accessories: G: gasket. GT: gasket + cap. GX: gasket + nut. X: nut. CGT: key + gasket + cap. N: oil-resistant nitrile rubber. T: cap.

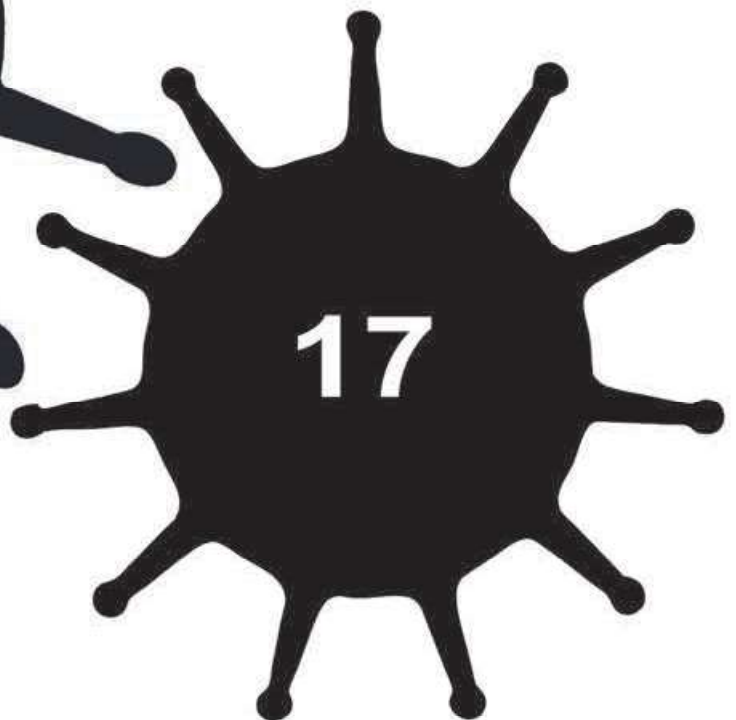
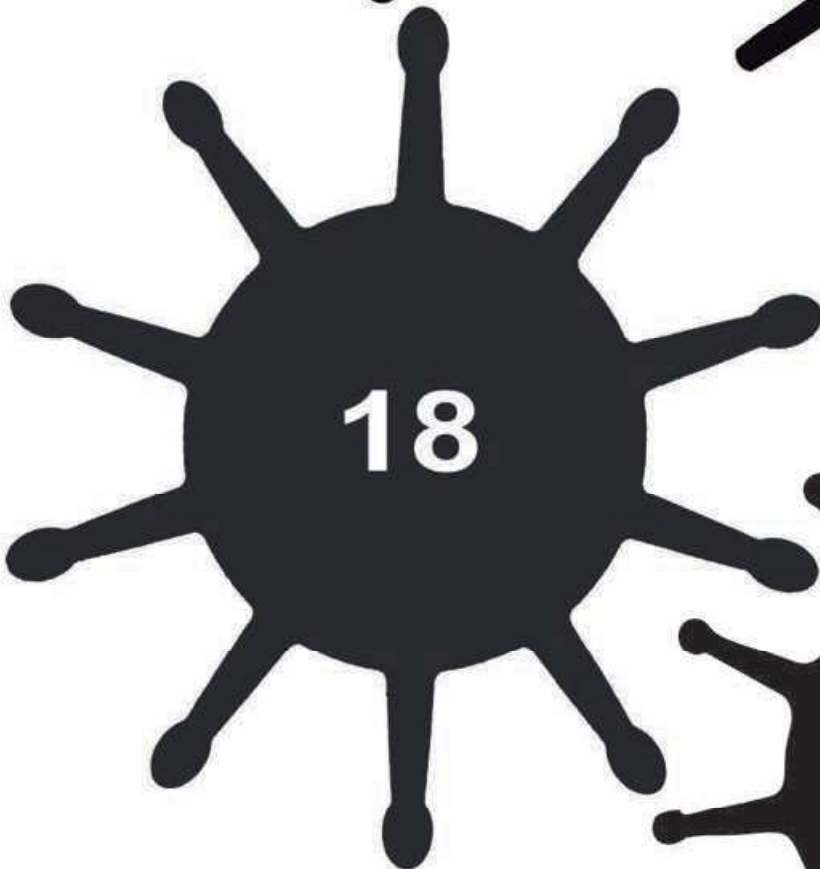
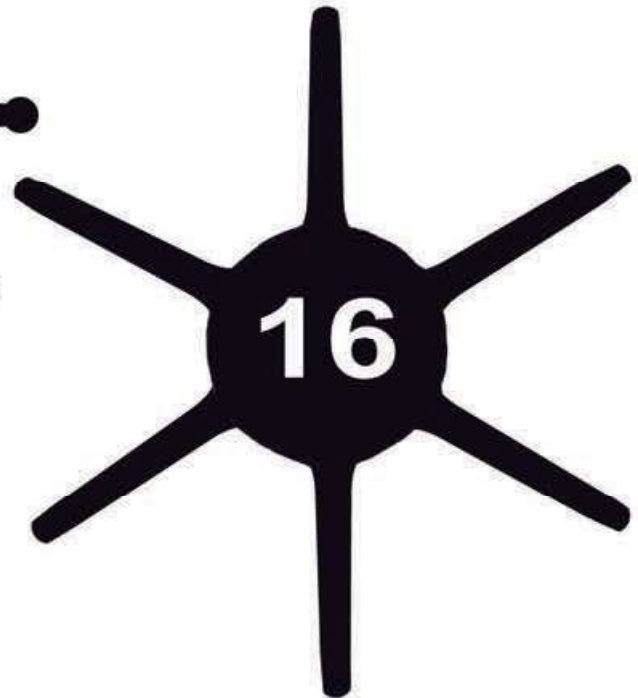
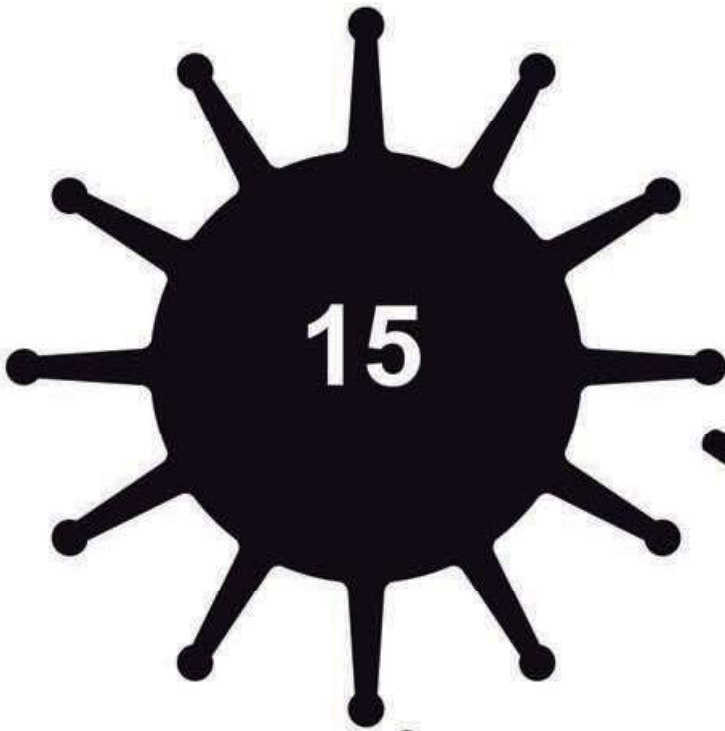
Stainless steel impeller puller tool

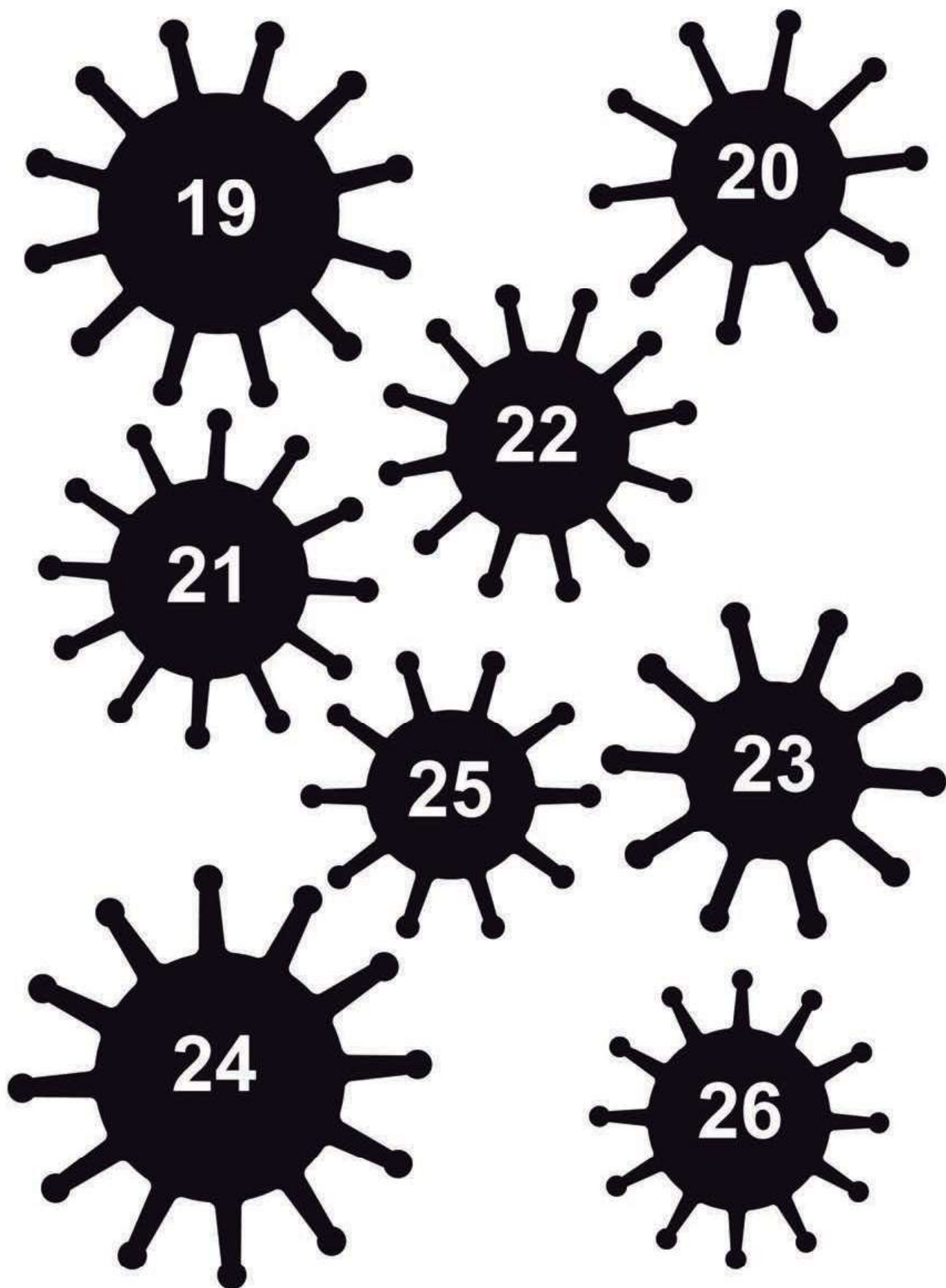
Used to remove the neoprene rotor without damaging the pump housing.

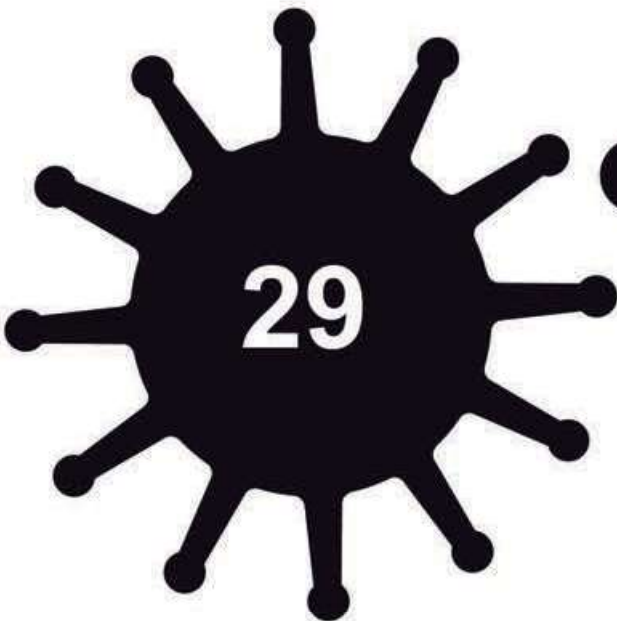
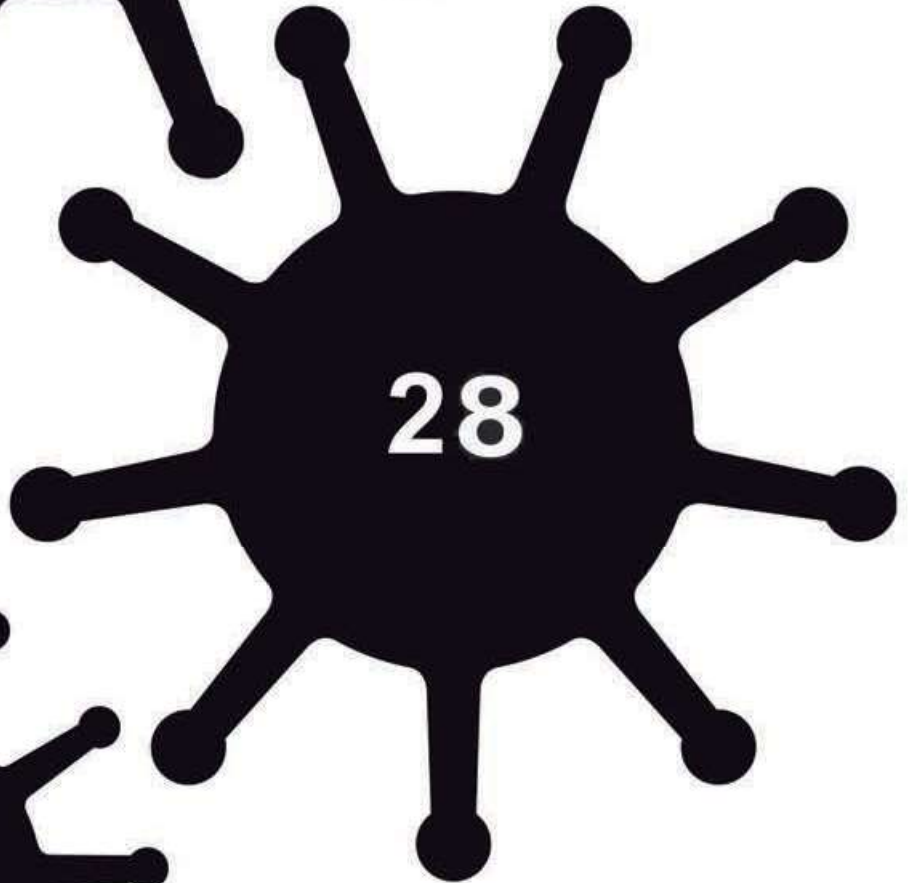
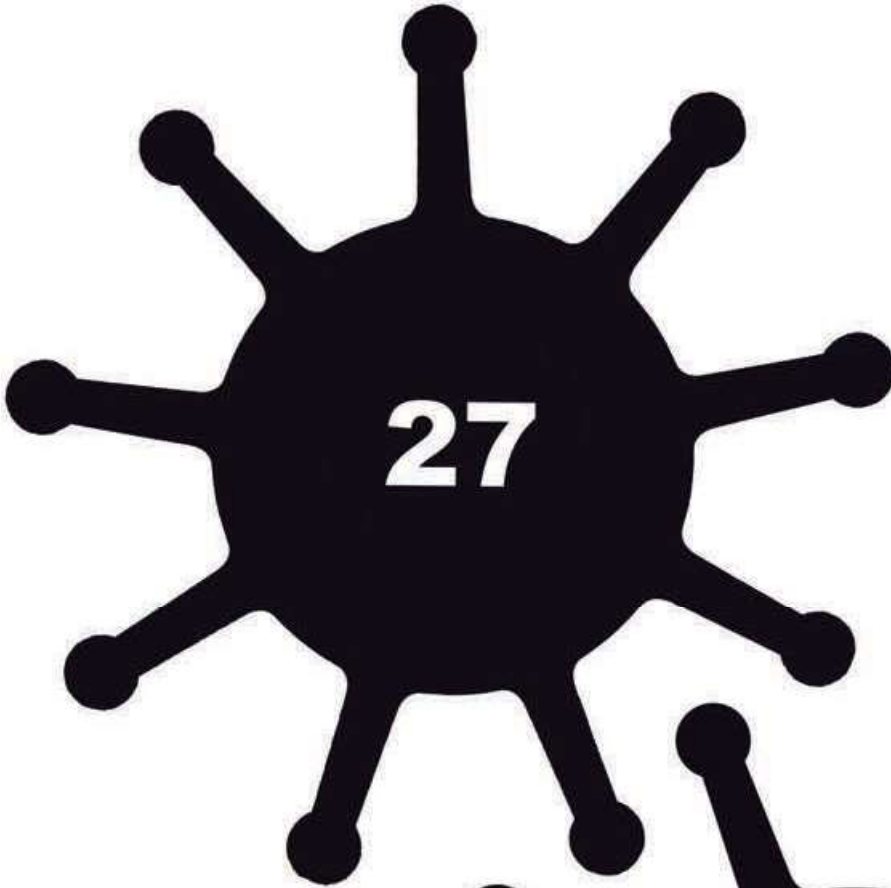
Code	For pumps
16.191.01	for inlet up to 1"
16.191.02	for inlet over to 1"











Electric blowers



Bilge gas electric blower



CE certified in compliance with the EN ISO 8846. Fitted with bracket for rotation of the blower. Universal model for continuous or intermittent operation.

Code	Voltage	Range m ³ /h	Current draw A	Inlet Ø mm	OPTIONAL hose
16.104.15	12V	150	3	76	16.104.35

OSCULATI



Bilge gas electric blower, RINA type-approved model



Watertight motor with separate fan. Supplied with drain grid and hose flange. Universal model for continuous or intermittent operation.

Code	Voltage	Capacity m ³ /h	Current draw A	Inlet Ø mm	OPTIONAL hose
16.104.20	12 V	260	3.5	75	16.104.30; 16.104.35
16.104.21	24 V	260	1.8	75	16.104.30; 16.104.35



CE

16-172.02/03

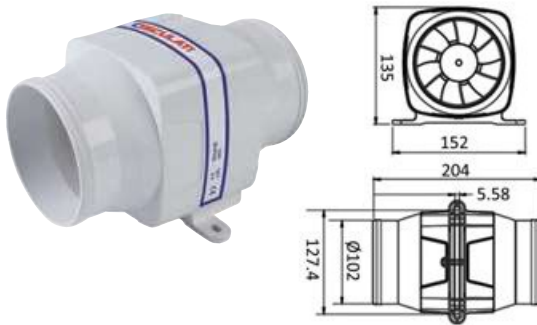
SUPERFLOW axial electric blower



Water-resistant blower made in compliance with the ISO 8846 and CE-RoHS standards. Ideal for efficient ventilation and cooling of cabins and engine rooms.

Code	V	Inlet/outlet m ³ /min	Flow m ³ /min	Current draw A	Outlet Ø mm	mm	OPTIONAL hose
16.172.01	12	3.8	2.5	3	79	131x128x95	16.104.35
16.172.02	12	6.7	4.0	4.04	102	131x154x121	16.104.36
16.172.03	24	6.7	4.0	2.5	102	131x154x121	16.104.36

OSCULATI



New

Hyperflow axial electric blower

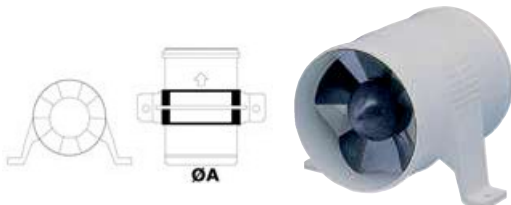
CE

CCK

Water-resistant product in compliance with ISO 8846 and CE - RoHS standards. Recommended to aerate and cool down effectively both cabins and engine rooms. Elevated air volume but with a low current draw. Vertical or horizontal installation.

Code	V	Inlet/outlet m ³ /min	Flow m ³ /min	Current draw A	Outlet Ø mm	mm	OPTIONAL hose
16.175.01	12	7.6	5	6	102	204x152x135	16.104.36
16.175.02	24	7.6	5	3	102	204x152x135	16.104.36

attwood



ATTWOOD Turbo axial electric blower

CE

Power being equal to traditional blowers, it has a 50% higher performance. Moreover it is the only water resistant blower designed on purpose for humid ambient conditions. Ideal for efficient ventilation and cooling of cabins and engine rooms. Very compact, it can be installed in confined spaces. CE certified.

Code	V	Inlet/outlet m ³ /min	Flow m ³ /min	Current draw A	Ø A mm	mm	OPTIONAL hose
16.173.30	12	3.3	2.5	3.1	78	130x130x91	16.104.35
16.174.30	12	6	4	4.4	102	130x154x113	16.104.36
16.174.51	24	6	4	2.5	102	130x154x113	16.104.36



Metal-reinforced fiberglass and PVC hose for electric blowers

Heat-resistant up to 130°, self-extinguishing, very flexible, made on purpose for engine room ventilation.

Code	Pieces m	Ø mm	For blowers
16.104.35	10	80	16.104.20; 16.104.21; 16.173.30; 16.104.15
16.104.36	10	104	16.174.30; 16.174.51

Light propylene hose for electric blowers

Code	Piece m	Outer Ø mm	For blowers
16.104.30	50	80	16.104.20; 16.104.21



Hose for large electric blowers

Made of grey polyolefin with PVC cover. Working temperature: -20° +90°. Bend radius: 0,6 x Ø.

Code	Piece m	Ø mm	For blowers
16.104.45	10	110	16.107.xx
16.104.46	10	150	16.106.xx; 16.107.xx
16.104.47	10	180	16.108.xx

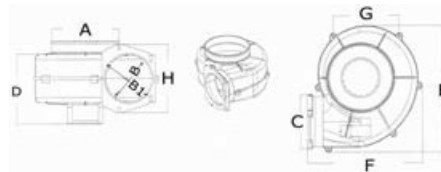


Centrifugal electric blower for bulkhead mounting, RINA type-approved

IP44 watertight permanent magnet motor in compliance with ISO8846 standards. For continuous cooling in engine rooms. White ABS body.



Code	V	Flow m ³ /h	A	←→ mm								
				A	B1	B	C	D	E	F	G	H
16.106.01	12	500	12	100	110	103	119	135	281	257	147	150
16.106.02	24	500	6	100	110	103	119	135	281	257	147	150
16.106.04	12	750	10	150	110	103	119	135	281	257	147	150
16.106.06	24	750	5	150	110	103	119	135	281	257	147	150
16.106.08	24	1000	16	150	110	103	119	155	281	257	147	150

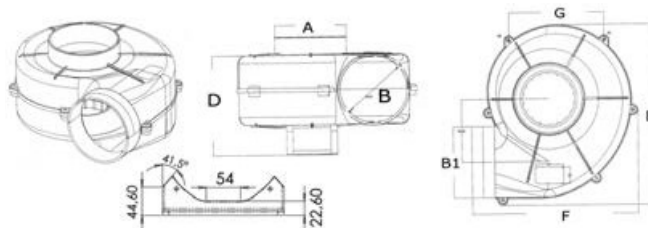


Centrifugal electric blower with bracket, RINA type-approved

IP44 watertight permanent magnet motor in compliance with ISO8846 standards. For continuous cooling in engine rooms. White ABS body.



Code	V	Flow m ³ /h	A	Noise level dB	←→ mm						
					A	B1	B	D	E	F	G
16.107.01	12	500	11.5	75	100	110	103	135	281	257	147
16.107.02	24	500	7	75	100	110	103	135	281	257	147
16.107.04	12	750	19	75	150	110	103	135	281	257	147
16.107.06	24	750	11	75	150	110	103	135	281	257	147
16.107.08	24	1000	16	85	150	110	103	155	281	257	147



High-flow axial blower

Made of technopolymer, compact and very silent. In compliance with ISO8846 and 55014 standards. **Version A:** for in-line mounting on tube, **Version B:** for bulkhead mounting.

Code	Version	V	Flow m ³ /h	A	Static pressure	Ø mm	Hose Ø mm	←→ mm
16.108.01	A	12	750	5	30 mm H ₂ O	220	180	250
16.108.02	A	24	750	2.5	30 mm H ₂ O	220	180	250
16.108.11	B	12	750	5	30 mm H ₂ O	220	180	160
16.108.12	B	24	750	2.5	30 mm H ₂ O	220	180	160

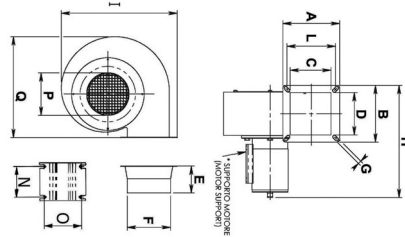


Centrifugal electric blower



Stabilized steel blades. Fitted with inlet/outlet hose adaptor flange and inlet protection grid.

Code	V	Rotation	Power W	A max	RPM	dBA	Max flow m ³ /min	Max pressure mm H2O	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	P mm	Q mm	N mm	O mm	kg
16.102.07	24	LD	120	6	2000	56	15	30	130	155	90	115	75	98	8	340	270	110	98	225	80	102	6
16.102.08	24	RD	120	6	2000	56	15	30	130	155	90	115	75	98	8	340	270	110	98	225	80	102	6
16.102.11	24	LD	300	16	2800	65	24	64	160	160	110	110	78	118	8	320	322	135	118	273	90	110	10
16.102.12	24	RD	300	16	2800	65	24	64	160	160	110	110	78	118	8	320	322	135	118	273	90	110	10
16.102.15	24	LD	550	28	2000	70	37	64	215	215	160	160	250	160	2 (n°8)	390	410	192	200	340	90	110	19
16.102.16	24	RD	550	28	2000	70	37	64	215	215	160	160	250	160	2 (n°8)	390	410	192	200	340	90	110	19

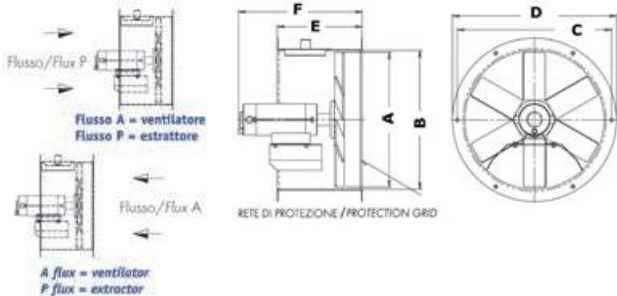
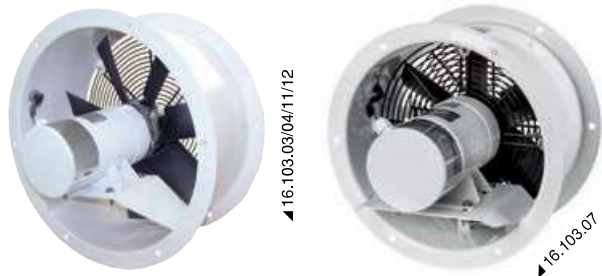


Helicoidal electric blower with stabilized polypropylene impeller



Type-tested in compliance with RINA standards on marine materials and equipment. Nylon/glass impeller for operating temperature ranging between -40 °C and +100 °C. Fitted with standard single or double safety net (on both sides for greater safety).

Code	V	Flow	Safety net	Power W	A max	RPM	dBA	Max flow m ³ /min	Max pressure Pa	A mm	B mm	C mm	D mm	E mm	F mm	Q	kg
16.103.03	24	A	Single	300	11	2500	65	30	225	250	260	285	310	200	330	8	
16.103.04	24	P	Single	300	11	2500	65	30	225	250	260	285	310	200	330	8	
16.103.11	24	A	Single	150	6	1400	62	56	160	350	360	400	425	215	330	11	
16.103.12	24	P	Single	150	6	1400	62	56	160	350	360	400	425	215	330	11	
16.103.07	24	A+P	Double	370	14	2000	68	60	240	305	315	348	378	200	330	10	



Hose connectors and water hook-ups



New Edge quick-coupling washdown hose connector

It connects the onboard fresh water system or to the washdown salt water pump and it keeps the line under pressure. The washing hose plugs in onto the inlet and automatically activates the pump. UV resistant ASA box, chromed brass device.



White	Chromed	SS	mm	
			recess Ø	Recess
16.441.18	16.441.38	16.441.88	69	50

17.224.01

OPTIONAL 1/2" male elbow fitting to plug into rear inlet hose

36.189.01; 36.189.03;
36.189.04

OPTIONAL Front male plug-in fitting

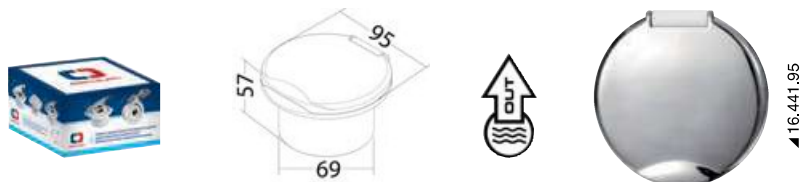


Classic EVO quick-coupling washdown hose connector

It connects the onboard fresh water system or to the washdown salt water pump and it keeps the line under pressure. The washing hose plugs in onto the inlet and automatically activates the pump. UV resistant **ABS** box, **chromed brass** device.

White	Chromed	SS	mm	
			recess Ø	recess
16.441.55	16.441.75	16.441.95	69	43

17.224.01 *OPTIONAL 1/2" elbow fitting to plug rear inlet hose*
 36.189.01;
 36.189.03; *OPTIONAL Front male plug-in fitting*
 36.189.04



OSCULATI



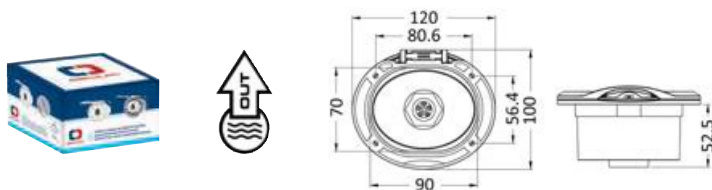
Nuvola quick-coupling hose connector for deck washdown

STAINLESS LOOK

It connects to the onboard (fresh) water system or to the (salt water) washdown pump and keep the line under pressure. The washing tube snaps into the hose connector and automatically activates the pump. UV-resistant **ASA** housing with **AISI316** stainless steel insert, **chromed brass** mechanism.

Code	mm	
	recess bore	recess
16.444.00	90x70	52.5

17.224.01 *OPTIONAL 1/2" elbow male fitting for connection to rear inlet tube.*
 36.189.01; 36.189.03; 36.189.04 *OPTIONAL Front snap-in male fitting.*



OSCULATI

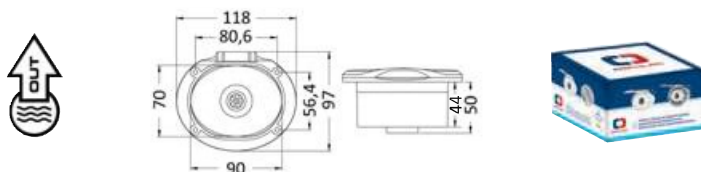


Elissa quick fitting hose connector for deck washdown

AISI 316

It connects to the onboard water system (fresh water) or to the washdown pump (salt water) and keeps the line under pressure. The washing tube snaps into the plug and automatically activates the pump. **AISI316** stainless steel compartment, self-supporting hatch.

Code	mm	
	recess bore	inside projection
16.443.00	90x70	50



OSCULATI



New Edge recess fit inlet/outlet hose connector/water hook-up

Plug-in connector to tap water from the onboard system and connector fitted with pressure reducer up to 3 bar to pour in water from the dock. 3/4" male thread for pressure reducer outlet.

White	Chromed	mm	
		Recess	outer
16.442.60	16.442.61	148x74x40	180x106

17.224.01 *OPTIONAL 1/2" elbow male fitting for rear inlet hose*
 36.189.01;
 36.189.03; *OPTIONAL Front male plug-in fitting*
 36.189.04



OSCULATI



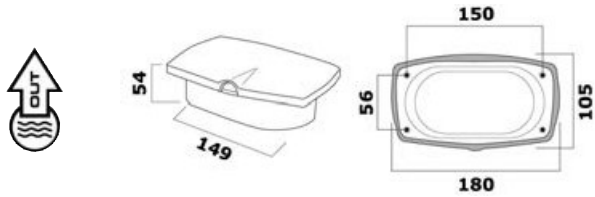
OSCULATI



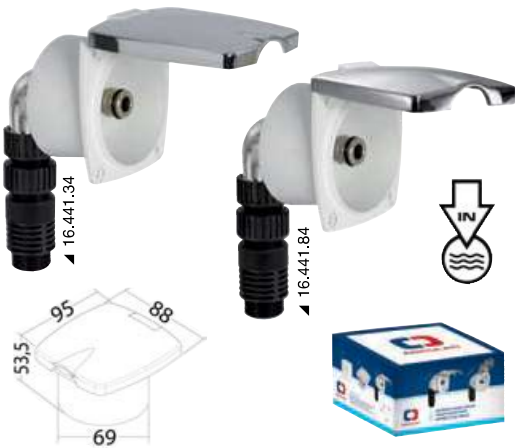
New Edge hose connector/water hook-up with hot/cold water mixer

With female plug-in connector (standard international sizes) + hot/cold water single-control mixer (17.051.00).

White	Chromed	mm		Spare mixer
		Recess	Outer mm	
16.442.70	16.442.71	148x74x40	180x106	17.051.00



OSCULATI



New Edge recess fit fresh water inlet

When using the mains water supply, pressure can be reduced by up to 3 bar to prevent damage to the pipes. The hose **snaps in using a garden-hose adaptor** (see code 36.189.02). 3/4" thread male outlet.

White	Chromed	SS	mm		90° fitting
			Recess Ø	Recess	
16.441.14	16.441.34	16.441.84	69	90/120	Included



OSCULATI



Heavy Duty New Edge recess-fit hose connector for fresh water

QUICK SWIVEL CONNECTION

PRESSURE REDUCING VALVE

Ideal when you want to use quayside fresh water: it reduces the pressure to 3 bars not to damage the pipes by means of an innovative compact system fitted with adjustable pressure regulator and brass check valve. The quayside water pipe snaps into a gardening-like hose connector (see code 36.189.02), BSP male 3/4" outlet thread.

White	Chromed	SS	mm		90° quick coupling fitting
			Recess Ø	inside projection	
16.445.14	16.445.34	16.445.84	69	110-110	Included



OSCULATI



Classic Evo recess-fit fresh water inlet

When using the mains water supply, pressure can be reduced by up to 3 bar to prevent damage to the pipes. The hose **snaps in using a garden-hose adaptor** (see code 36.189.02). 3/4" thread male outlet.

White	Chromed	SS	mm		90° fitting
			recess Ø	recess	
16.441.53	16.441.73	16.441.83	69	97/125	Included



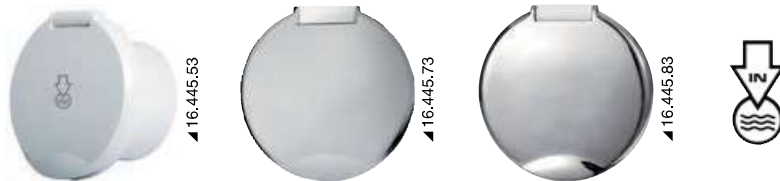
Heavy Duty Classic Evo recess-fit fresh water inlet

QUICK SWIVEL CONNECTION

PRESSURE REDUCING VALVE

Ideal when you want to use quayside fresh water: it reduces the pressure to 3 bars not to damage the pipes by means of an innovative compact system fitted with adjustable pressure regulator and brass check valve. The quayside water pipe snaps into a gardening-like hose connector (see code 36.189.02), BSP male 3/4" outlet thread.

White	Chromed	SS	mm		90° quick coupling fitting
			Recess Ø	inside projection	
16.445.53	16.445.73	16.445.83	69	110-110	Included



OSCOLATI



Elissa hose connector for fresh water

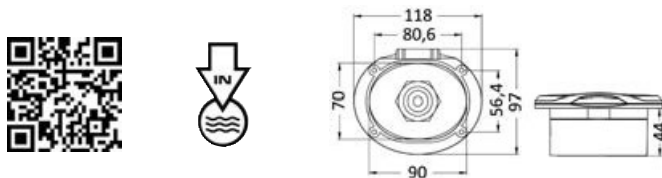
AISI 316

QUICK SWIVEL CONNECTION

PRESSURE REDUCING VALVE

Ideal when you want to use quayside fresh water: it reduces the pressure to 3 bars not to damage the pipes by means of an innovative compact system fitted with orientable pressure regulator and brass check valve. The quayside water pipe snaps into a gardening-like hose connector (see code 36.189.02), BSP male 3/4" outlet thread, AISI316 stainless steel compartment and self-supporting hatch.

Code	mm	
	recess bore	inside projection
16.443.20	90x70	110-110



OSCOLATI



Hose adaptor to be screwed on the rear of New Edge and Classic EVO pressure reducers

Code	Orientation
17.236.21	straight
17.235.01	90° angled
17.815.40	straight (plug-in hoses)



FLOJET docking hose connector and water pressure reducer

It sets pressure from the mains water supply at 3,1 bar in order to avoid damage to pumps and pipings.

Code	Version	Fittings	mm	Depth mm
16.441.11	in line	3/4" GHT thread	77x39	-
16.441.12*	recess-fit	1/2" NPT thread	103x110	87

* Male quick fitting included.

FLOJET



OSCULATI

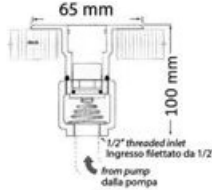


Bayonet flush fitting for washdown

The device connects under deck to Washdown pumps or similar items and it keeps the pump under pressure. When the bayonet fitting connects the washing hose, the device automatically opens and activates the pump. 100% **stainless steel**. Garden-type quick fitting on the end caps (36.189.02).

Code	Description	Spare plastic joint
16.442.22	Bayonet fitting + straight plastic fitting	16.442.31 (straight)
16.442.23	Bayonet fitting + sloped plastic fitting	16.442.30 (sloped)

The sloped fitting makes opening easier in case of high-pressure washdown pumps or when the fitting is in a position difficult to plug.



▲ 16.442.22/23



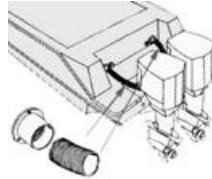
Outboard rigging hose and transom fittings



PVC hose for outboard engine cables

PVC reinforced spiral. Same sizes of genuine hoses by OMC, Yamaha, Mercury, etc.

Code	Colour	Inner Ø mm	Roll m	Bushing
16.104.38	grey	50.8	10	16.104.39; 16.104.40
16.104.37	white	50.8	10	16.104.39; 16.104.40



OSCULATI



Bushing to connect hose 16.104.37/38 to the boat cockpit

The hose is screwed on the inner part of the bushing and its length can be adjusted.

Code	Material	Flange outer Ø mm	Hull thickness mm	Bore in the hull mm	For hose
16.104.39	White plastic	100	56	62	16.104.37/38
16.104.40	Mirror-polished AISI316 SS	100	56	62	16.104.37/38
16.104.41	Black plastic	100	56	62	16.104.37/38

OSCULATI



End cap for tubes 16.104.37/38.

Made of prebored soft PVC. To be screwed on the tube until the cables perfectly fit into the slot.

Code	Colour	PACKAGE
16.104.50	White	10
16.104.51	Grey	10
16.104.52	Black	10

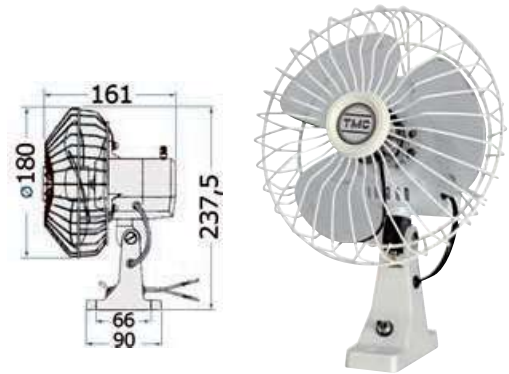


Fans

TMC adjustable fan

Adjustable in all positions, fitted with protection grid. Very efficient model and nice look.

Code	V	Flow m ³ /h	Mounting
16.706.12	12	1000	2 screws
16.706.24	24	1000	2 screws



CAFRAMO Bora fan

Fitted with central mounting bracket, built-in handle for easy up/down or side-to-side positioning.

Code	Colour	V	No of speeds	Blades	Top speed current draw A	cm
16.753.12	white	12	3	5" (12.7 cm) ABS	0.24	16.5x24x9
16.754.12	black	12	3	5" (12.7 cm) ABS	0.24	16.5x24x9
16.753.24	white	24	3	5" (12.7 cm) ABS	0.14	16.5x24x9
16.754.24	black	24	3	5" (12.7 cm) ABS	0.14	16.5x24x9



CAFRAMO Sirocco II fan

The airflow can be directed in any direction - 360°. The fan can be folded flat and out of the way against the bulkhead when not in use. 12 and 24V operation. Built-in automatic switch off timer after 3, 6, 9 and 12 hours.

Code	Colour	V	No of speeds	Switch-off timer	Blades	Top speed current draw A	cm
16.755.00	White	12/24	3	3,6,9,12 hours	7" (17.8 cm) PE FINGER SAFE	0.35	25x30x7.6
16.755.01	Black	12/24	3	3,6,9,12 hours	7" (17.8 cm) PE FINGER SAFE	0.21	25x30x7.6



CAFRAMO Ultimate fan

Extremely compact. PE blade that does not require a protective grill. Ideal near the station since its motor generates low electrical interference.

Code	Colour	V	No of speeds	Blades	Top speed current draw A	cm
16.751.12	black	12	2	7" (17,8 cm) PE FINGER SAFE	0.41	18x23x14

