



**TOWARDS A BRIGHTER FUTURE**



# **FOKE PUMP-OUT SYSTEMS**

## FOKE PUMP-OUT STATION 2001S40I-1789

Intended for permanent mounting in harbours, marinas, shipyards etc. The Pump-Out station is for connection to municipal sewerage or to a separate reception tank. 2000S40I-1789 contains two different pumps, one is designed for land based emptying of septic tanks and the other for bilging waste water, leaking engine oil, diesel etc.

### TECHNICAL INFORMATION

Eccentric formed rubber rotor pump in stainless steel with 1½" hose connections. Rubber rotor in Neoprene, mechanical sealing in stainless steel, Carbon, Ceramic and Neoprene. Suction capacity with empty pump is approx. 4–6 metres, pressure capacity is approximately 35 mwc. Pump capacity approx. 120 l/min. Motor 3 phase 1,5 kW 1400 rpm. This pump is also furnished with a vacuum breaker that automatically stops the pump when the septic-tank of the boat is empty.

The pump for bilge water and oil contaminated water is a rubber rotor pump, in die casted brass, with 1" hose connections, complete with vacuum breaker as stop the pump when there is no more bilge water etc. in the boat. The rubber rotor is in Nitril, mechanical sealing in stainless steel, Carbon, Ceramic and Nitril. Suction capacity with empty pump is approx. 4 metres, pressure capacity is approximately 20 mwc. Pump capacity approx. 50 l/min. Motor 3 phase 0,37 kW 1400 rpm. All is mounted in a protective elegant stainless steel house. On the house outside is two holders for hoses, one with six metres 1½" suction hose, nozzle and drainage valve, and the other with six metres 1" hose. The electricity system for this Pump-Out is of course intended for the two different pumps, and the control box is mounted on the outside of the house. External dimensions for 2000S40-1789, L=725 mm. W=650 mm. H=900 mm.



## FOKE PUMP-OUT 2000S40I-1

Pump-Out station for permanent mounting in harbours, marinas, shipyards etc. for connection to municipal sewerage or to a separate reception tank.

### TECHNICAL INFORMATION

The pump is an eccentric formed rubber rotor pump in stainless steel with 1½" hose connections. The rubber rotor is in Neoprene, mechanical sealing in stainless steel, Carbon, Ceramic and Neoprene. Suction capacity with empty pump is approx. 4–6 metres and the pressure capacity is approximately 35 mwc. Pump capacity approx. 120 l/min. Motor 3 phase 1,1 kW 1400 rpm. The pump is furnished with a vacuum breaker that automatically stops the pump when the septic-tank of the boat is empty. All this is mounted in a protective elegant stainless steel house. On the outside housing there is a holder for the hose, with six meter 1½" suction hose, nozzle and drainage valve. The electricity system for this Pump-Out is very sophisticated and the control box is mounted on the outside of the housing. External dimensions L=725 mm. W=650 mm. H=900 mm.



## FOKE PUMP-OUT 2000S50I-1

For permanent installation in harbours, marinas, shipyards etc. for connection to the municipal sewerage or to a separate reception tank

### Technical Information.

Self-priming diaphragm pump in stainless steel, membrane and valves of Neoprene rubber. Hose connection on the suction side 1½" and the connection on the pressure side is 2". The suction capacity for an empty pump is 4-6 metres, pressure approx. 15 mwc. Pump capacity approx. 75 l/min. Motor 3 phase 0,37 kW 1400 rpm. with a reduction gear. All this is mounted in a protective elegant stainless steel house. On the outside housing there is a holder for the hose, with six meter suction hose, nozzle and drainage valve. Also the electricity control box is mounted on the outside of the housing. External dimensions L=700 mm. W=650 mm. H=900 mm.



## FOKE MOBILE PUMP-OUT STATION 2000S40P-21

2000S40p-2 is a mobile Pump-out station on a cart, this Pump-Out is intended for harbours that do not have the possibility of direct connection to municipal sewage drainage. Pump, reception tank in polyethylene, electricity control box, suction hose with holder are all mounted on the trolley. The toilet waste is sucked up by the pump from the septic tank in the boat, to the reception tank on the trolley. The trolley is then taken to a predestined reception for emptying the reception tank.

### TECHNICAL INFORMATION

The pump is an eccentric formed rubber rotor pump, in stainless steel with vacuum breaker, 1½" hose connections, rubber rotor is in Neoprene, mechanical sealing in stainless steel, Carbon, Ceramic and Neoprene. Suction capacity with empty pump is approx. 4 – 6 metres. pressure capacity is approximately 35 mwc. Pump capacity approx. 120 l/min. Motor single phase 230V. 1,5 kW 1400 rpm. reception tank 95 litres in polyethylene. The vacuum breaker automatically stops the pump when the septic-tank of the boat is empty. The trolley has two air filled rubber wheels, External dimensions L=1300 mm. W=650 mm. H= 900 mm. Weight with empty reception tank approx. 60 kg.



## FOKE MOBILE PUMP-OUT STATION 2000S40P-2

### TECHNICAL INFORMATION

The pump is an eccentric formed rubber rotor pump, same type as for 2000P-21 in stainless steel with vacuum breaker but for 380V and reversible. 1½" hose connections, rubber rotor is in Neoprene, mechanical sealing in stainless steel, Carbon, Ceramic and Neoprene. Suction capacity with empty pump is approx. 4–6 metres, pressure capacity is approximately 35 mwc. Pump capacity approx. 120 l/min. Motor 3 phase 1,5 kW 1400 rpm. The pump is furnished with a vacuum breaker that automatically stops the pump when the septic-tank in the boat is empty. The cart has four wheels of massive rubber, where two wheels are pivoting External dimensions L=1000 mm. W=700 mm. H= 1400 mm. Weight with empty reception tank approx. 60 kg.



## FOKE PUMP-OUT 2000S40I-404

This is a base model of Pump-Out intended for installation in a box, existing house or similar, supplied with a start and stop electricity breaker box.

### TECHNICAL INFORMATION

Eccentric formed rubber rotor pump in stainless steel with 1½" hose connections, mounted in a protective steel frame. The rubber rotor is in Neoprene, mechanical sealing in stainless steel, Carbon, Ceramic and Neoprene. Suction capacity with empty pump is approx. 4–6 meters, pressure capacity is approximately 35 mwc. Pump capacity approx. 120 l/min. Motor 3 phase 1,1 kW 1400 rpm. The pump is furnished with a vacuum breaker that automatically stops the pump when the septic-tank of the boat is empty. Dimensions L=600 mm. W=300 mm. H=400 mm. weight=30 kg.



## FOKE MOBILE BILGE AND OIL PUMP 2000MB-89

2000MB-89 are designed for draining of water, oil polluted water and leaking diesel fuel in boats and may not be used for any other liquids. The pump type that is used in the Foke Bilge Pump-Out is a JP pump modified by Foke Pump Out Systems. The pump housing is made of de-zinc resistant brass, the pump shaft is made of stainless steel, the seal is of an exchangeable mechanical type. As standard the impeller is made of Nitril with high flexibility.

### TECHNICAL INFORMATION

The pump is connected to an electric motor 0.5 kW 230V. 1400 rpm. The pump is self priming max. suction height 6 meters and need not be filled before starting. The max. pressure of the pump is about 2,3 bar, max. capacity is approx. 80 l/min. these dates relates to water. Reception tank 95 litres. All is mounted on a two wheels trolley. External dimensions L=1300 mm. W=650 mm. H= 900 mm. Weight with empty reception tank approx. 60 kg.





**Marinarmatur AB was established already in 1928. Since then the company has manufactured various products for ships and pleasure boats as well as for industrial use.**

During the past few years our product range has been expanded and changed, among others we now produce Pump-Out stations for emptying of septic tanks in pleasure boats. Dyanemeco and Foke Pump-Out systems are well-known trade names which are now manufactured by Marinarmatur AB in Sweden.



For us it is self-evident that we shall have clean lakes, seas and channels to spend time in and enjoy. Millions of people around the world are daily forced to fetch their drinking water from contaminated lakes and seas. A number of people use the same lakes, seas and channels in their leisure time for swimming, boating, fishing, etc. We do not think that there is anybody who seriously maintain that people should swim in or wash and clean their vegetables and wash up their dishes in the same water where unclean toilet water, polluted oil, etc. is released daily. Naturally, toxic bottom paints and exhaust gas release also helps to make the environmental destruction even more serious.

Our environmental thinking and our knowledge of pumps has together with our high product quality resulted in our becoming one of the leading manufacturers of Pump-Out systems for land-based emptying of septic tanks in boats.



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