







MARKET INVESTIGATION

CATALOGUE OF PUMP-OUT STATIONS IN SWEDEN, FINLAND AND ESTONIA

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Market investigation in Sweden

Below a list of producers and catalogue of products. The list of producers can vary over time. The prices, when reported, are only indicative.

ALFABRYGGAN

The core business of this Swedish enterprise based in the Stockholm region is piers production. They are also retailers of Marinarmatur products and of a floating solution of the Finnish enterprise **Reittitiimi OY**, which is equipped with a pump-out station, a toilet and a garbage container.

More information on https://www.alfabryggan.se/ehandel/, https://www.reittitiimi.fi/

RTI Combi Miljöbrygga



Pier dimensions: 3,15 x 15,25 m
Tank: 3 tanks in the piers
Material: marine aluminium
Pump: Membrane hand pump
Hose: L = 8 m
Toilette
Garbage container
Price: ~40000 – 50000 €

BAGA

Baga is a Swedish enterprise specialized in wastewater solutions. They can produce pump-out stations and the solution can be customized to the needs of the customer. More information about the different type of pumps can be found at http://baga.se/avlopp/produkter/pumpar/

BÅT – MAJA

Båt Maja is a producer based in the Stockholm region. They produce their own technology, both stationary and mobile solutions, and their market is pretty local.

More information at http://www.batmaja.se/

Stationary solutions

BåtMaja 51



Dimensions: L= 1310 mm, W= 940 mm, H = 1380 mm

Material: Pump in stainless steel

House / Ceiling: Fiberglass reinforced plastic

Pump: Peristaltic pump DN 40

Electrical connection: 400 V

Draining Capacity: 60 l/min

Hose: L = 10 m

Price: 80000 kr (~8000 €), VAT not included

BåtMaja 21



Dimensions: L= 710 mm, W= 940 mm, H = 1380 mm

Material: Pump in stainless steel

House / Ceiling: Fiberglass reinforced plastic

Pump: Peristaltic pump DN 40

Electrical connection: 400 V

Draining Capacity: 60 l/min

Hose: L = 10 m

Price: 80000 kr (~8000 €), VAT not included

Mobile solutions

BåtMaja 12067 (4 wheels)



Dimensions: 120x67 cm

Pump: Diaphragm pump

Electrical connection: 230 V

Draining Capacity:

Tank: 95 I, with carbon filter to reduce odor

Hose: L = 6 m

Price: 15950 kr (~1595 €), (VAT not included)

BåtMaja10060 (2 wheels)



Dimensions: 100x60 cm

Pump: Diaphragm pump

Electrical connection: 230 V

Draining Capacity:

Tank: 95 l, with carbon filter to reduce odour

Hose: L = 6 m

Price: 15950 kr (~1595 €), VAT not included

EL-EFFEKT

This enterprise located in the Stockholm area is the Swedish retailer of products from Leestrom, one of the world leaders in this field. More information on https://www.el-effekt.se/ and https://www.leestrom.eu/

Delivery time of 4 weeks, the transport fee is included in the pump-out station price.

For Finland and Estonia it is TOP MARINE the retailer of Leestrom products.

Stationary solutions

LS60W



Dimensions: L= 400 mm, W= 395 mm, H = 1400 mm

Material: Cabinet in stainless steel, pump in bronze

Pump: Diaphragm pump

Electrical connection: 230 V or 400 V

Draining Capacity: 60 l/min

Hose: different length available

Price: 105600 kr (~10560 €) VAT included (84480 kr

VAT excl.)

LS160W-B



Dimensions: L = 1050 mm, W = 750 mm, H = 1300 mm

Material: Cabinet in stainless steel, pump in bronze

Pump: Diaphragm pump

Electrical connection: 230 V or 400 V

Draining Capacity: 60 l/min

Hose: L = 15 m, diameter 38 mm

Price: 130000 kr (~13000 €) VAT included

Portable solution

LSM80W



Dimensions: L = 840 mm, W = 730 mm, H = 1130 mm

Material: pump in bronze

Pump: Diaphragm pump

Electrical connection: 230 V

Draining Capacity: 25 l/min

Tank: 80 |

Hose: L = 7,5 m and 38 mm diameter both for suction and

for discharge hose

Price: 38200 kr (~3820 €) VAT included

JETS

Jets headquarters are set in Norway, with offices and retailers all around the world. They manufacture and sell vacuum sanitation systems.

In Sweden the retailer of pump out stations is **Bryggkompaniet**, in Finland is **Septor OY**, while the reference for Estonia is Jets' Lithuanian office.

https://jetsgroup.com/other-vacuum-systems/marina-pump-out-station, http://www.bryggkompaniet.se/,

https://www.septor.fi/en/products/marine

The final solution can be customized to the needs of the customer, the pumps are standard. Here some examples of pumps, more information on Jets website.

15MB-D Vacuumarator



Pump Dimensions: L= 554 mm, W= 214 mm, H = 332 mm

Material: Pump house in bronze, rotor house in stainless steel

Pump: Vacuum pump

Electrical connection: 220 V, 255 V, 380 V, 440 V, other

voltages available

Draining Capacity: 83 l/min

25MBA Vacuumarator



Pump Dimensions: L= 690 mm, W= 200 mm, H = 275 mm

Material: Pump house and rotor house in stainless steel

Pump: Vacuum pump

Electrical connection: 220 V, 255 V, 380 V, 440 V, other

voltages available

Draining Capacity: 200 l/min

Latrina

Latrina produces stationary and portable pump-out solutions.

The prices depend on the type of equipment/accessories provided.

More info on http://www.latrina.se/

LATRINA BAS



Dimensions: L=1180 mm, W= 455 mm, H = 2190 mm

Material: Fiberglas reinforced plastic

Pump: eccentric pump

Electrical connection: 380 V

Draining Capacity: 60 l/min

Hose: L = 5,2 m, 32 mm internal diameter

Price: 67000 - 72000 kr. (6700 – 7200 €) VAT not

LATRINA PREMIUM



Dimensions: L = 1650 mm, B = 840 mm, H = 3410 mm

Material: Fiberglas reinforced plastic

Pump: eccentric pump

Electrical connection: 380 V

Draining Capacity: 100 l/min

Hose: one or two 8 m long hoses, both with automatic

rewinding into the cabinet

Price: station with one suction hose 105000 kr (10500 €);

with 2 hoses 135000 kr (~13500 €). VAT not included

LATRINA MINI



Dimensions: L = 1200 mm, W = 800 mm, H = 2000 mm

incl. mast

Material: Fiberglas reinforced plastic

Pump: eccentric pump

Electrical connection: 380 V

Draining Capacity: 100 l/min

Hose: L = 3-15 m, 32 mm internal diameter

Price: 49000 kr – 60000 kr. (~4900 – 6000 €) VAT not

MARINARMATUR

This Swedish enterprise located on the west coast is one of the main producers of pump-out stations in the Nordic countries. Their retailers in Sweden are: **CC Marinutvecling, Bryggkompaniet, Alfabryggan.**

For more information http://marinarmatur.se/index.html, http://www.ccmarinutveckling.se/, https://www.alfabryqqan.se/

Stationary solutions

CLEANPORT - SEPTIC 200



Dimensions: L=725 mm, W= 650 mm, H = 900 mm

Material: Stainless steel pump

Pump: impeller pump

Electrical connection: 400 V

Draining Capacity: 150 l/min

Hose: L = 7 m

Price: 49000 - 74000 kr (~4900 - 7400) VAT

included

CLEANPORT - SEPTIC + OIL 200



Dimensions: L=725 mm, W= 650 mm, H = 900 mm

Material: Stainless steel pump

Pump: impeller pump

Electrical connection: 400 V

Draining Capacity: 150 l/min

Hose: L = 7 m

Price: 64000 - 80000 kr (~6400 – 8000 €) VAT

CLEANPORT - SEPTIC 2000



Dimensions: L=725 mm, W= 650 mm, H = 900 mm

Material: Stainless steel pump

Pump: Peristaltic pump

Electrical connection: 400 V

Draining Capacity: 25 l/min

Hose: L = 7 m

Price: 79000 - 98750 kr (~7900 – 9875 €) VAT included

Portable solution

CLEANPORT - MOBILE



Dimensions: L=1300 mm, W= 650 mm, H = 900 mm

Material: Stainless steel pump

Pump: impeller pump

Electrical connection: 230 V

Draining Capacity: 120 l/min

Hose: L = 7 m

Price: 64000 - 80000 kr (~6400 – 8000 €) VAT

RENT HAV

They are retailer of the Canadian pump producer WMW. For the ease of the reader two pumps series are reported as examples, but more information can be found at https://www.wmwpump.com/marine-vacuum-pump-systems/

Stationary solutions

AVR20

Dimensions: L= 1170 mm, W= 590 mm, H = 870 mm

Pump: Vacuum pump

Electrical connection: 120 V, other voltages available

Draining Capacity: 75 l/min

Hose: it's a remote system, any hose can be chosen

AVR series

Dimensions: L= 970 mm, W= 870 mm, H = 1220 mm

Pump: Vacuum pump

Electrical connection: 120 V, other voltages available

Draining Capacity: 190 l/min

Hose: it's a remote system, any hose can be chosen

AVR60

Dimensions: L= 1530 mm, W= 870 mm, H = 1220 mm

Pump: Vacuum pump

Electrical connection: 120 V, other voltages available

Draining Capacity: 190 l/min

Hose: it's a remote system, any hose can be chosen

AVR125

Portable solutions

DPK electric series



DPK20E

Dimensions: L= 1780 mm, W= 690 mm, H = 970 mm

Pump: Vacuum pump

Electrical connection: pre-wired for standard 120V power outlet (other voltages available)

Draining Capacity: 75 l/min

Tank: 94 |

Hose: different length available

DPK240E

Dimensions: L= 1830 mm, W= 920 mm, H = 1280 mm

Pump: Vacuum pump

Electrical connection: 208 - 230 V AC, other voltages

Draining Capacity: 340 l/min

Tank: 94 |

Hose: different length available

STAINLESS ENGINEERING

This enterprise is based in the Stockholm area. They are retailer of Zickert Systems and of Mobimar, a Finnish enterprise that produces floating pump-out stations.

This latter type of solution has been thought for those places where the connection to the public electricity and wastewater network cannot be realized.

The prices are around 20000 – 30000 € depending on the type of solution.

More information on http://www.stainlessengineering.se/Septicon/septikon.htm

http://www.mobimar.com/water-management

SEPTIKON



Tank Volume:	3 m ³	6 m ³	9 m ³
Dimensions: 3,35 x 3,35 m 4,1 x 4,1 m 5,0 x 5,0 m			
Material: marine aluminium			
Pump: Membrane pump			
Draining Capacity: 100 l/min			
Hose: L = 10 m			

TRI - SEPTIKON



Tank Volume: 6 m ³		
Material: marine aluminium		
Pump: Membrane pump		
Draining Capacity: 100 l/min		
Hose: L = 10 m		
Toilette		
Capacity of garbage container: 5 m ³		

VÄTE CONSULTING TEKNIK

They are a consulting firm that offers services in the fields of railway transportation and technology, transport logistic and different technical solutions, pump-out stations among others. For pump-out stations they are retailers of the Vogelsang pumps.

Hose: 15 m

http://www.va-te.se/index.html

https://www.vogelsang.info/int/products/supply-and-disposal/pierpump/

S160



Dimensions: L= 960 mm, W= 580 mm, H = 1050 mm
Material: protective case in stainless steel
Pump: Rotor pump
Electrical connection: 230 V
Draining Capacity: 180 l/min

Price: starting from 73000 kr (~7300 €)

SB160 waste and bilge water



Dimensions: L= 960 mm, W= 580 mm, H = 1050 mm
Material: protective case in stainless steel
Pump: Rotor pump
Electrical connection: 230 V
Draining Capacity: 2x180 l/min
Hose: 2 x 15 m

ZICKERT SYSTEMS

Zickert had been in the wastewater pumps and pump-out stations business since many years. Their retailers in Sweden are **Ima VVs & Värmepumpar** and **Stainless Engineering**.

More information on http://www.zickertsystems.se/sugtomning/start/,

http://www.imavarmepumpar.se/battommning/

http://www.stainlessengineering.se/Zickertsystems.htm

Stationary solutions

Buddy 120-E



Dimensions: L = 900 mm, W = 480 mm, H = 890 mm
Material: pump in stainless steel
Pump: Membrane pump
Electrical connection: 230 V
Draining Capacity: 152 l/min
Hose: L = 14 m

Caddy



Dimensions: L = 1020 mm, W = 710 mm, H = 1020 mm

Material: pump in stainless steel

Pump: Membrane pump

Draining Capacity: 35 l/min

Hose: L = 7 m

Market investigation in Finland

Below a list of producers and catalogue of products. The list of producers can vary over time. The prices, when reported, are only indicative.

ESLEYHTIÖ OY

They are retailers of Vogelsang pumps http://esleyhtio.fi/tuotteet/satamaimulaitteet/vogelsang-siirtopumppulaitteistot/

Hose: L = 15 m

S160



Dimensions: L= 960 mm, W= 580 mm, H = 1050 mm
Material: protective case in stainless steel
Pump: Rotor pump
Electrical connection: 230 V
Draining Capacity: 180 l/min

SB160 waste and bilge water



Dimensions: L= 960 mm, W= 580 mm, H = 1050 mm
Material: protective case in stainless steel
Pump: Rotor pump
Electrical connection: 230 V
Draining Capacity: 2x180 l/min
Hose: 2 x 15 m

HL-METAL

This Finnish enterprise is a supplier to the maritime industry, with solutions for ship yards and marinas. They have been collaborating long time with Keep the Archipelago Tidy, and they have developed a floating pumpout station with the following characteristics:

BW12



Pontoon dimensions: 3,2 x 7 m or 3,20 x 13 m

Pump-out station: Equipped with two pumps

Pump: Hand-pump

Tank: 10 m³

More information on http://www.hlmetal.fi/

H20KEE

This Finnish enterprise is specialized in wastewater solutions. They have developed their pump-out stations called "Dokki"; their solutions can be used as stationary, portable or for floating pump-out stations.

For more information https://www.h2ok.fi/

DOKKI Septic

Material: stainless steel and marine aluminium

Electrical connection: 230 V or 400 V

Draining Capacity: 80 - 150 I/min

Hose: L = 12 m, 32 mm in diameter





DOKKI Bilge

Material: stainless steel and marine aluminium

Electrical connection: 230 V or 400 V

Draining Capacity: 80 I/min

Hose: L = 700 mm, 14 mm diameter

DOKKI Twin: A double unit combining septic and bilge

DOKKI Max

Material: stainless steel and marine aluminium

Electrical connection: up to 400 V

Draining Capacity: 300 - 800 l/min

Hose: L = 12 m, 32 mm in diameter

MEREDIN OY

Their core business is marina installation, home marina operations, winter storage of boats and retailing of boating equipment and parts. They are also in the market of pump-out stations as retailer of Foke pumps and Marinarmatur (See Marinarmatur section for products description).

More information on https://meredin.fi/

Foke pump-out 2000S401-1



Dimensions: L = 725 mm, W = 650 mm, H = 900 mm

Material: Pump in stainless steel, case in stainless steel, carbon, ceramic, neoprene

Pump: Impeller pump

Electrical connection: 230 V or 380 V

Draining Capacity: 120 I/min

Hose: L = 7 m

NAUTIKULMA OY

This Finnish enterprise based in Turku is in the business of pump-out stations since many years. For their solutions they use membrane pumps of the American producer Sealand. http://www.nautikulma.fi/septi/index.html

DS1 (1 pump)

DS2 (2 pumps)



Dimensions: L = 715 mm, W = 485 mm, H = 1240 mm

Material: Pump in bronze, case in stainless steel

Pump: Membrane pump

Electrical connection: 230 V or 400 V

Draining Capacity: 56 l/min

Hose: L = 6, 9, 12 m

Price: starting from 6330 € incl. VAT, the price varies with

the length of the hose

PELLOS-MARIN OY

Pellos marin is specialized in pontoons production. They are in the pump-out stations market as retailers of Pellmac solutions.

https://www.pellosmarin.fi/muut_tuotteet_ja_palvelut/imulaitteet



2 permanently mounted pumps, one for wastewater and one for bilge water

Pump: Diaphragm pump

REITTITIIMI OY

This Finnish enterprise is specialized in the production of pontoons, floating piers, bridges and other structures. They produce the floating pump-out station RTI Combi, equipped with a hand pump, a toilet and a garbage container. This solution is sold in Sweden by Alfabryggan.

https://www.reittitiimi.fi/

RTI Combi Miljöbrygga



Pier dimensions: 3,15 x 15,25 m		
Tank: 3 tanks in the piers		
Material: marine aluminium		
Pump: Membrane hand pump		
Hose: L = 8 m		
Toilette		
Garbage container		
Price: ~40000 – 50000 €		

SEPTOR OY

Septor is a supplier to the maritime industry, with solutions both for boat owners and for ship yards and marinas. They are retailers of Jets solutions, among others. (See Jets description for products information).

More information at https://www.septor.fi/en/

https://jetsgroup.com/other-vacuum-systems/marina-pump-out-station

Market investigation in Estonia

Below a list of producers and catalogue of products. The list of producers can vary over time. The prices, when reported, are only indicative.

ROLEC

Rolec solutions are sold in Estonia through Renoport. Rolec is a British enterprise providing different types of services for marinas.

More information at http://www.rolecserv.com/marina

http://www.renoport.eu/?p=1926

RS100



Dimensions: L= 480 mm, W= 480 mm, H = 1165 mm		
Material: <u>Head</u> : ABS Granulate Natural Polyethylene		
Body Internal: Hot-Dipped Galvanised Steel		
Body External: Powder Coated Aluminium / 304 Stainless Steel		
Pump: Peristaltic pump		
Electrical connection: 230 V or 400 V		
Draining Capacity: 60 l/min		
Hose: L=10 m		
Price: about 3000 € VAT included		

RS250



Pump Dimensions: L= 620 mm, W= 390 mm, H = 442 mm

Material: Pump: aluminium, stainless steel and brass

Housing: polypropylene or aluminium powder coated housing

Pump: Peristaltic pump

Electrical connection: 400 V

Draining Capacity: 300 I/min

Hose: L=10 m

Pump-out pedestal completed with a remotely sited pump located in a coated housing

RS300



Pump-out pedestal completed with a remotely sited pump located in a coated housing

Pump Dimensions: L= 620 mm, W= 390 mm, H = 442 mm

Material: Pump: aluminium, stainless steel

Housing: polypropylene or aluminium powder coated housing

Pump: Peristaltic pump

Electrical connection: 400 V

Draining Capacity: 300 I/min

Hose: L=10 m

SEIJSENER

Seijsener is a Dutch enterprise offering different marina services. They produce their own pump-out stations and they are also the European distributors of Keco (see Keco description), a pump-out stations producer from USA.

Pump-Out SP-20



Dimensions:	l = 350 mm	, W=1000 mm	. H=970 mm
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Material: pump in bronze, house in stainless steel

Pump: diaphragm pump

Electrical connection: 400 V

Draining Capacity: 60 l/min

Hose: L=15 m

Duo-Type pump type SPC-6



Dimensions:	L = '	1000	mm,	W =	750 m	m, H =	1300 mm
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Material: pump in bronze, house in stainless steel

Pump: diaphragm pump

Electrical connection: 230 V or 400 V

Draining Capacity: 60 l/min

Hose: L=15 m

Portable solutions

Mobile Pump-Out SP-510



Dimensions: L = 840 mm, W = 730 mm, H = 1130 mm

Material: Stainless steel and marine aluminium

Pump: Diaphragm pump

Electrical connection: 230 V

Draining Capacity: 60 l/min

Tank: 210 litres

Hose: L = 6 m

TOP MARINE

Top Marine is specialized in the production of pontoons and floating piers. They also provide pump-out stations (Leestorm solutions) and they have recently developed a floating solution consisting in a floating pier with a pump-out station and a septic tank.

http://topmarine.ee/

Stationary solutions

LS60W



Dimensions: L= 400 mm, W= 395 mm, H = 1400 mm

Material: Cabinet in stainless steel, pump in bronze

Pump: Membrane pump

Electrical connection: 230 V or 400 V

Draining Capacity: 60 l/min

Hose: different length available

Price: 7300 € VAT included

LS160W-B



Dimensions: L = 1050 mm, W = 750 mm, H = 1300 mm

Material: Cabinet in stainless steel, pump in bronze

Pump: Diaphragm pump

Electrical connection: 230 V or 400 V

Draining Capacity: 60 l/min

Hose: L = 15 m, diameter 38 mm

Price: 13000 € VAT included

Portable solution

LSM80W



Dimensions: L = 840 mm, W = 730 mm, H = 1130 mm

Material: pump in bronze

Pump: Diaphragm pump

Electrical connection: 230 V

Draining Capacity: 25 l/min

Tank: 80 l

Hose: L = 7,5 m and 38 mm diameter both for suction and

for discharge hose

Price: 3820 € VAT included

Floating solution

Concrete pontoon: 3,16 x 15 x 1,07 m

Pump-out station: LS60W

Draining Capacity: 60 l/min

Tank: 4,5 m³

Price: ~40000€, incl. transport and installation

Producers outside the project area

Below some of the main producers outside the project area:

CEI - PORALU

This French enterprise is one of the world leaders for pump-out stations in harbours environment. They have distributors in many countries around the world, Sweden among others.

This kind of pump-out station is available in single, double or triple pump version.

More information at http://www.poralumarine.fr/

Dimensions: L= 1250 mm, W= 1275 mm, H = 920 mm

Material: stainless steel

Pump: Peristaltic pump

Electrical connection: 380 V

Draining Capacity: 75 l/min

Hose: L = 10 m

KECO

Keco is one of the world leaders for marine pumps and marine pump-out stations products. The enterprise is set in the US, their retailer in Europe is the Dutch enterprise Seijsener, an European leader in the sector.

Complete catalogue of products at https://www.pumpahead.com/









MARICER

This British enterprise is specialized in the design manufacture and installation of marina utility service equipment.

More information about the products at http://www.maricer.com/product-category/pumpout/

Maricer portable solution



Material: Pump in bronze				
Pump: Diaphragm pump				
Tank: 80				
Draining Capacity: 25 l/min				
Voltage: 230 V				
Hose: L = 8 m				

RMCS & ARABEL

RMCS works with different marine services such as pedestals, lightning solutions and also pump-out stations; it is based in the UK. Arabel is a Belgian enterprise that produces transformers and coils, but also equipment for marinas. They are both retailers of Leestrom pump-out stations.

More information about RMCS at http://www.rmcs.co.uk/marine/sanitation-and-pump-out-systems

More information about Arabel at http://www.arabel.be/en/marina-integrated-systems/?pid=103

WASTECORP

Wastecorp is a leading OEM (original equipment manufacturer) of pumps and pump parts, with offices in the United States and Canada.

Complete catalogue of products at https://wastecorp.com/



Pump Dimensions: L= 965 mm, W= 864 mm, H = 1397 mm

Pump: Vacuum pump

Draining Capacity: 227 l/min



Pump Dimensions: L= 965 mm, W= 864 mm, H = 1397 mm

Material: Marine grade aluminium

Pump: Vacuum pump

Electrical connection: 115 V or 230 V

Draining Capacity: 189 l/min

Portable solution



Material: polyethylene tank

Pump: Vacuum pump

Tank: 378 I, 567 I, 757 I

Draining Capacity: 189 l/min

Boat equipped with a pump to dump the sewage from leisure boats



Material: Pump body casing in aluminium

Pump: Vacuum pump or diaphragm pump

options

Tank: From 189 I to 2270 I

Draining Capacity: 757 l/min

Hose: customizable

Pontoon producers

The number of pontoons producers in the project area is quite high. Here reported a list of some of the biggest pontoon producers:

- **A-Laiturit**, https://www.a-laiturit.fi/laiturit/kelluvat-laiturit
- AlfaBryggan, https://www.alfabryggan.se/ehandel/14-pontoner
- Bluet, https://en.bluet.fi/
- Bryggkompaniet, http://www.bryggkompaniet.se/
- Laakson Laiturit, https://www.laaksonlaiturit.fi/fi
- Marina Produkter, http://www.marinaprodukter.se/
- Marinetek, http://www.marinetek.fi/millainen-laituri-sopisi-minulle/
- Pellos Marin, https://www.pellosmarin.fi/laiturit
- Pontech, http://pontech.se/
- Savorak Pier, https://savorak.fi/
- SF Pontona Sverige, https://www.sfpontona.se
- Top Marine, http://topmarine.ee/