



# CLEAN WATERS AND SEAS

**PierPump – User-friendly wastewater and bilge water  
disposal stations for boat and yacht harbors**

**VOGELSANG – LEADING IN TECHNOLOGY**

**VOGELSANG**











# Unique disposal systems for boats and yachts

**Quality, experience and expertise  
guarantee for future-proof technology**

**As the inventor of the elastomer-coated rotary lobe pump, Vogelsang has been one of the world's leading mechanical engineering companies in the pump sector for decades. Railway transport companies, bus companies and ports have been relying on our high-quality machines for years, especially thanks to the sophisticated design of the rotary lobe pump.**

Based on our wide-ranging experience and constant research, we not only develop extremely functional components and entire systems that ensure long-term, trouble-free and economical operation – we also make sure they are easy to handle. Both the production and the material quality of our machines are testimony to how seriously we take our responsibility to our customers. Their adaptability and changeability enhance efficiency, optimize performance and increase sustainability. And we operate at 50 locations worldwide.

Gone are the days when wastewater and bilge water were disposed of in bodies of water. Eco-friendliness is highly important to both skippers and politicians. Ports with professional disposal stations not only enhance their image, but can also gain a decisive competitive advantage by providing disposal solutions. Yachts and boats are now equipped with wastewater tanks that can be emptied quickly and easily in port. With the PierPump, Vogelsang offers a uniquely reliable solution that, depending on the model, disposes of wastewater in addition to bilge water. Over 25 years of experience that pays off.

# Reliable helper with suction power

PierPump – The practical, compact  
and trouble-free disposal system



In order to be attractive, and therefore successful, port operators have to respond to their customers' desire for environmentally friendly equipment. In addition, they must meet legal requirements with regard to the discharge of wastewater and bilge water. Providing wastewater disposal systems in the port is an important step.

More and more boats are being equipped with wastewater tanks. Vogelsang's PierPump is the simplest and most reliable disposal solution for these tanks. The most impressive thing about them is their compact design, which means that operators do not have to sacrifice a berth. They are very user-friendly, just as uncomplicated as filling up at the petrol pump. Since the pump is a closed system, there are no unpleasant odors when it is used.

Equipped with the reliable and robust Vogelsang VX series rotary lobe pump, the PierPump offers maximum performance. It pumps fluids and routes them directly into the marina's sewer system. No additional personnel are required to operate the PierPump. Skippers can use the pump independently. Universal connections ensure that all boats and yachts can use the station. Various payment systems are available as options, including card readers, coin counters or token counters. Another plus: the PierPump is practically trouble-free. However, in the unlikely event that a fault should occur, it can be rectified quickly and, above all, easily. As with all robust Vogelsang rotary lobe pumps, wear parts are easy to access and replace. Optional heating elements ensure optimal operation even at subzero temperatures.

If support from the manufacturer is required, Vogelsang offers a reliable after-sales service.

### **Easy installation, simple operation**

The PierPump is extremely straightforward to install. They are either installed by the experienced Vogelsang installation team or – after consultation – by the operator themselves.

The PierPump is also quick and easy to operate. After the PierPump hose is connected to the wastewater tank, the pump can be started at the touch of a button. The wastewater pump is ready for immediate use. It pumps out wastewater or bilge water hygienically and odor-free. Draining a tank generally takes just a few minutes.



### **Attractive port – More customers**

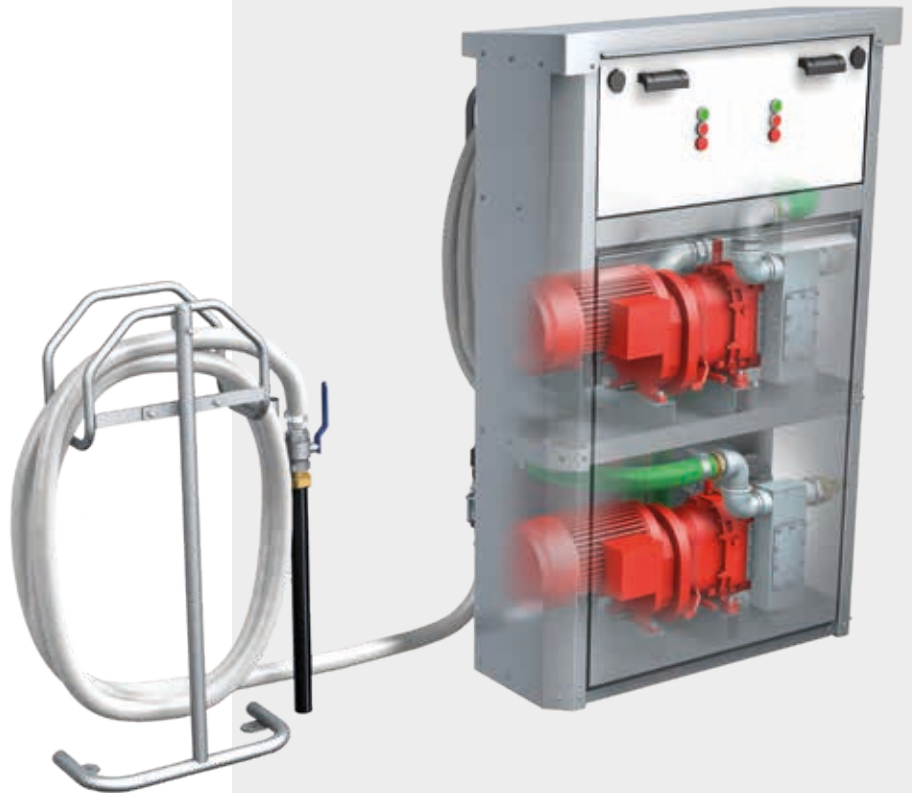
Boat owners choose ports in part based on the services they provide. Clean sanitary facilities, welltended grounds and stable Wi-Fi are just a few of the criteria. The ability to dispose of wastewater and bilge water also plays a role. Ports that offer this service have an advantage. In addition, clean waters and a clean harbor can really help boost your image.

### **For a clean environment**

The laws on the discharge of wastewater have been growing increasingly restrictive for several years. In the Netherlands, for example, an absolute discharge ban has been in effect for all boats and yachts in all navigable waters since 2009. In Germany, the regulations vary depending on the respective area. Different rules apply to state waters, federal waterways and the Baltic and North Sea. But the fact is, the less wastewater gets into water, the cleaner the environment.

### **PierPump options**

- Coin-operated
- Card reader
- Time relay
- Operating hour meter
- Electrical heating for frost protection
- Pump housing and pump connections in stainless steel
- Connections as per ISO 8099



# PierPump SB160

## The complete package

If you prefer to have both functions (wastewater and bilge water disposal) in just one system, the PierPump SB160 by Vogelsang is the ideal solution. This powerful system can easily extract feces and bilge water from boats and yachts. Like all PierPump stations, the pumping station is usually set up on the landing stage or near the jetty.

The pumping station is equipped with two powerful Vogelsang rotary lobe pumps from the VX series. The robust and reliable pumps suck in the wastewater and pump it on the pressure side into the connected sewer or wastewater treatment plant.

The PierPump SB160 offers a high pumping capacity while requiring little space.

### Advantages

- Closed system, no unpleasant odors
- Self-priming, robust Vogelsang rotary lobe pump
- Resistant to dry running
- Compact installation dimensions
- Weatherproof cabinet made of stainless steel 1.4301
- Easy and simple handling
- Easy-to-maintain design

### Options

- Coating for use in saltwater environments
- Activation via coin slot, card system, etc.
- Dry running protection
- Frost protection through electric heating
- Stainless steel pump housing





#### **What our customers say**

*"If we want to persuade amateur skippers to think about using a wastewater tank on board, then the vacuum disposal system in the port must be of the best quality and guarantee fast, clean and trouble-free operation. After we installed a PierPump, the use of the wastewater station increased significantly. With its 600 berths, the Wartena marina is now equipped with environmentally friendly technology that fully meets the needs of customers and employees and – more importantly – helps protect the environment."*

Gerard Schermer, Marina Manager  
Stichting Jachthaven Wartena, Warten, Netherlands

# PierPump S160 / B160

## Disposal of wastewater or bilge water

The PierPump S160 and B160 are used to dispose of wastewater or bilge water from boats and yachts. They have capacities of up to 12 m<sup>3</sup>/h at a working pressure of – 0.6 to 2 bar.

The PierPump S160 and B160 are the solutions for the economical and environmentally friendly disposal of wastewater or bilge water. They are usually installed on the boat dock or near the jetty.

The pumping station is equipped with one powerful VX series rotary lobe pump. This pumping unit enables bilge water or wastewater to be disposed of separately.

The robust and reliable pump sucks in the bilge water or wastewater and pumps it on the pressure side into the connected sewer or other wastewater treatment plant.

The PierPump S160 and B160 offer a high pumping capacity while requiring little space.



### Advantages

- Closed system, no unpleasant odors
- Self-priming, robust Vogelsang rotary lobe pump

### Rotary lobe pumps

- Resistant to dry running
- Compact installation dimensions
- Weatherproof cabinet made of stainless steel 1.4301
- Easy and simple handling
- Easy-to-maintain design

### Options

- Coating for use in saltwater environments
- Activation via coin slot, card system, etc.
- Dry running protection
- Frost protection through electric heating
- Individual labelling with customer logo
- Stainless steel pump housing

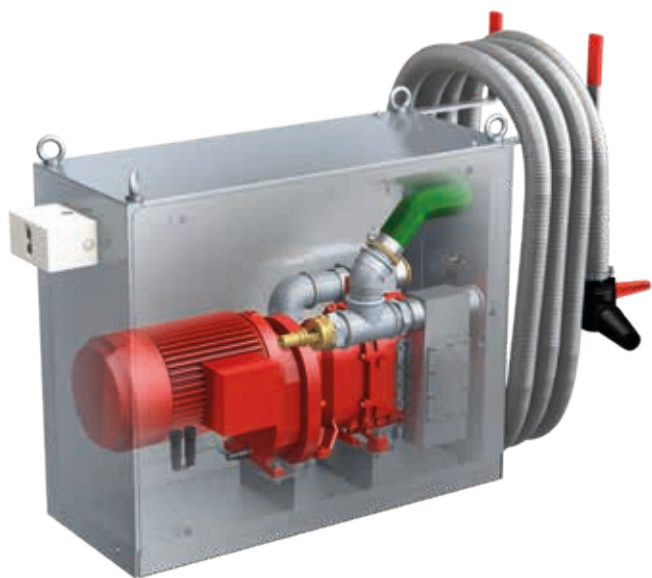


# PierPump Easy

## The affordable option

This variant focuses on economy and ease of use. However, the performance of the pump is comparable to that of other models.

The PierPump Easy is also suitable for the vacuum extraction of wastewater or bilge water. It is equipped with a rotary lobe pump and a hose.



# The heart of the PierPump

**Vogelsang rotary lobe pumps:  
The efficient choice for a wide variety  
of conveying tasks**



Service- and maintenance-friendly:  
the VX series rotary lobe pumps



**Technology needs to be easy to use and always accessible. The heart of our disposal systems is the original Vogelsang rotary lobe pump: a self-priming positive displacement pump specially designed for viscous media and liquids contaminated with foreign matter. The medium is sucked in directly by the highly robust, elastomer-coated rotary lobes and pumped into the sewer system.**

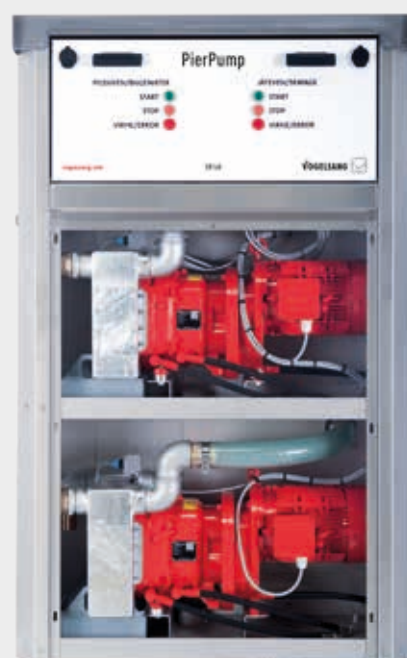
Vogelsang pumps for the port sector use robust double-bladed rotary lobes. They have a special coating and maximized free passage, which is why they are particularly insensitive to foreign matter. Thanks to the VX design, all wear parts can be serviced without having to disassemble the pump. That minimizes maintenance time and costs. The simple and reliable Vogelsang rotary lobe pump is ready for use around the clock and reduces downtime to a minimum.

### **The principle**

Vogelsang rotary lobe pumps are non-contact, rotating positive displacement pumps. Thanks to the low-pulsation rotating lobes, they pump media evenly and with minimal vibrations. The delivery rate increases in proportion to the speed, so that Vogelsang rotary lobe pumps have proven to be an efficient choice for a wide variety of delivery tasks. Their unique design also makes them easy to handle and economical to operate.

### **Practical, economical and service-friendly**

Vogelsang pumps are easy to operate, maintain and service. This minimizes downtime, ensures high availability and, above all, reduces operating costs.



### **Advantages of Vogelsang pumps**

- No bulky vacuum containers
- No separate vacuum pumps and wastewater pumps
- Liquids and air pass through the pump directly from the inlet to the outlet
- Vacuum always available
- Fully automatic operation
- No automatic valves required
- Compact design

## What we offer

We provide solutions in the following sectors:  
AGRICULTURAL TECHNOLOGY, BIOGAS,  
INDUSTRY, TRANSPORTATION, WASTEWATER



## Our broad range of products and services

- Consulting and service
- Data management and control technology
- Disintegration technology
- Individually tailored solutions for special applications
- Pumps and pump systems
- Solid matter feeders
- Spreading technology
- Supply and disposal systems for railway, busses and boats
- Wet grinders and solids reduction as well as separation technology

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# SPECIFICATION

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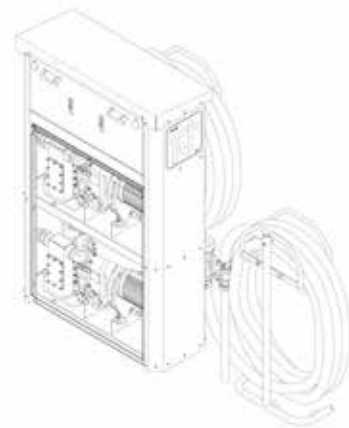
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# PierPump

The practical, compact and trouble-free disposal system



Type	Amount of pump units	Max. capacity	Max. suction lift	Max. pressure	Motor output	Mains voltage	Cabinet & hose rack*	Extraction hose	Hose length	Main dimensions approx.	Weight approx.
		l/min	mH <sub>2</sub> O	bar	kW				m	mm (L x B x H)	kg
S160 Easy											
VX100 - 45Q	1	180	8	2	2.2	3 x 230   400 V	Stainless steel 1.4301	Hose 40 DN with suction coupling made of PP according to DIN EN ISO 8099, ball valve with universal adapter with rubber cone	15	1,170 x 495 x 885	215
S160   B160											
VX100 - 45Q	1	180	8	2	2.2	3 x 230   400 V	Stainless steel 1.4301	Hose 40 DN with suction coupling made of PP according to DIN EN ISO 8099, ball valve with universal adapter with rubber cone	15	960 x 580 x 1,050	225
SB160											
VX100 - 45Q	2	2 x 180	8	2	2.2	3 x 230   400 V	Stainless steel 1.4301	a) Fecal hose 40 DN with suction coupling made of PP according to DIN EN ISO 8099, ball valve with universal adapter with rubber cone b) Bilge water hose 40 DN with suction lance and ball valve	2 x 15	960 x 580 x 1,550	450

\* Optionally with coating for areas with high salt exposure according to corrosion protection class DIN EN ISO 12944 category C5 - M.

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