



VACDRAIN

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01

# About Vacdrain

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## 1.1 About Vacdrain



### ABOUT VACDRAIN

Vacdrain is a brand specializing in the design and production of vacuum systems, established in 2006, located in the Pudong New District of Shanghai. Vacdrain specializes in marine environmental protection. Their main products include marine vacuum sewage collection and treatment systems, kitchen waste vacuum collection and treatment systems, and dry waste handling systems.

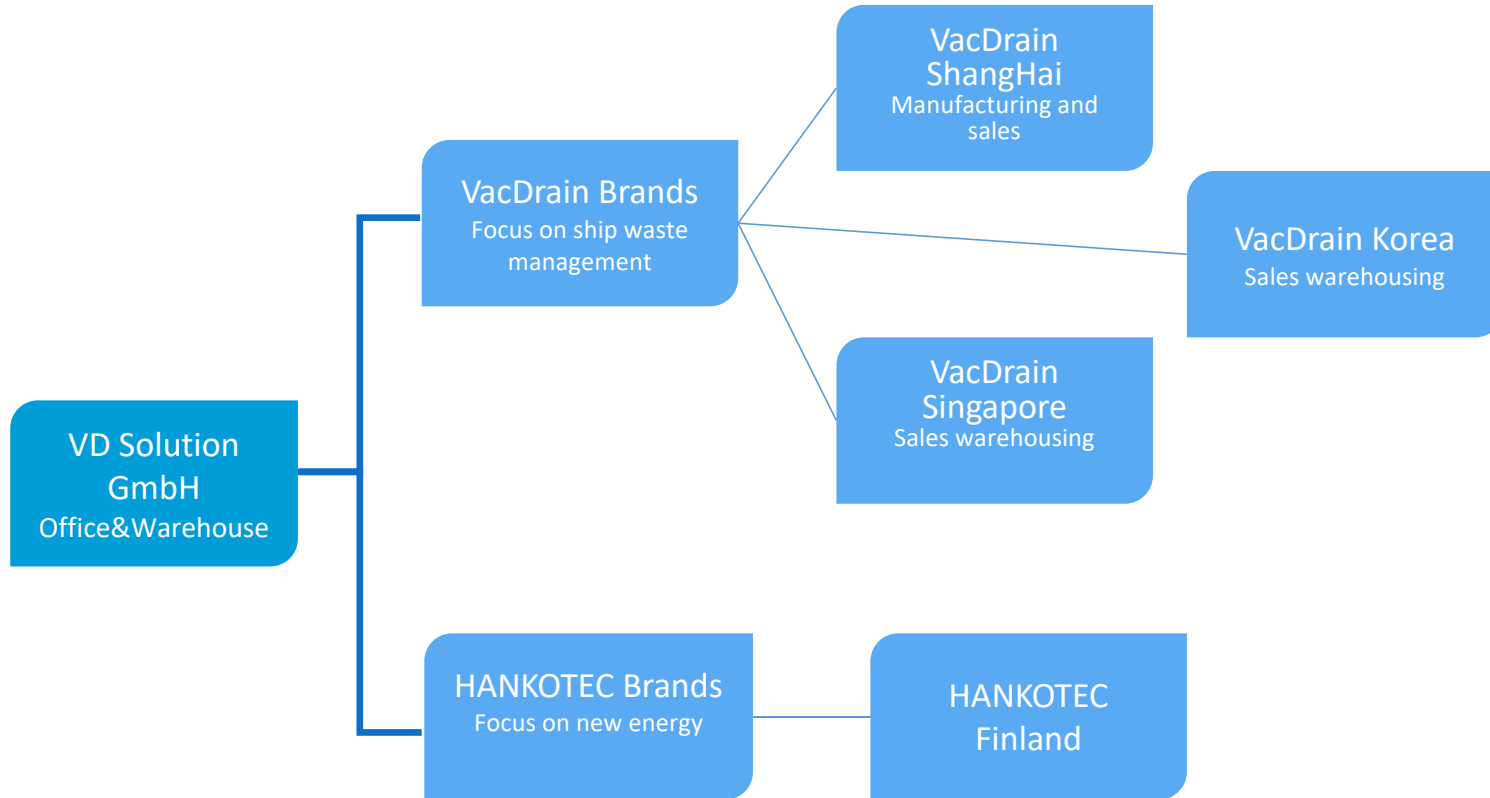
To date, Vacdrain has supplied vacuum toilet systems to over 600 ships worldwide and has been consistently praised by ship owners.

To better serve shipowners globally, Vacdrain has offices and warehouses in Busan, Korea and Hamburg, Germany, and has established a strong service team.

Furthermore, Vacdrain has a worldwide network of agents and spare parts sales. You can search for "Vacdrain" on YOUTUBE and then you'll find our channel with our videos and references.

## 1.2 Company organization structure

### VD Solution GmbH



# 1.3 Firm Growing

**Workers 3P**

Annual sales --.



**Workers 24P**

Annual sales  
Vacuum toilets 3500pcs  
Vacuum pumps 200pcs



**Workers 13P**

Annual sales  
Vacuum toilets 1000pcs  
Vacuum pumps 80pcs



**Workers 42P**

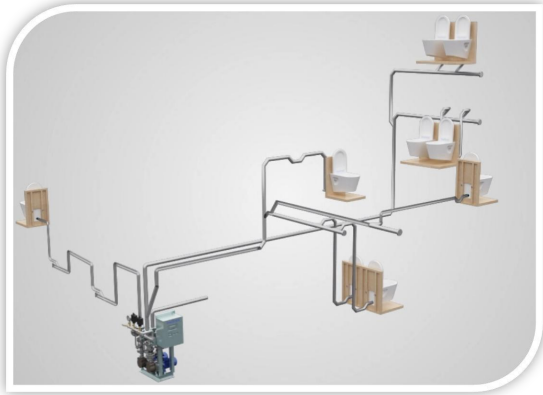
Annual sales  
Vacuum toilets 5000pcs  
Vacuum pump 400pcs

PART  
02

# Products

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## 2 Products



**VacDrain Vacuum  
Toilet System**



**VacDrain Food  
Waste System**

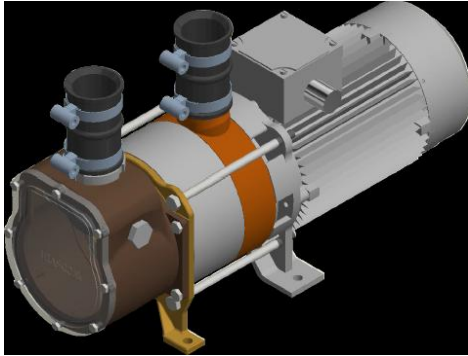


**VacDrain Garbage  
System**

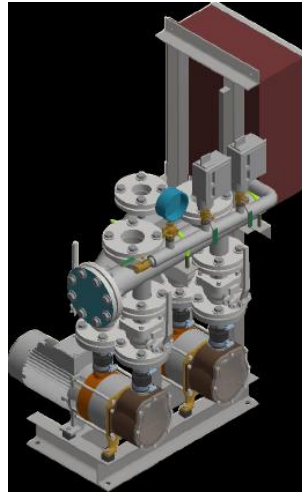


## 2.1 Products VacDrain Vacuum Toilet System

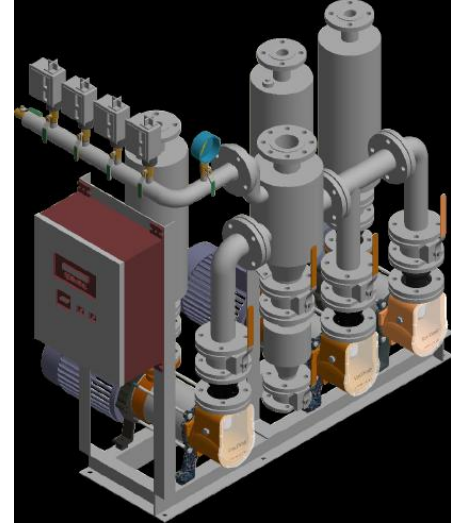
### Vacuamarator pump and unit—mainstream vacuum type



Vacuamarator pump  
15-series:capacity 15m<sup>3</sup>/h  
25-series:capacity 25m<sup>3</sup>/h  
65-serise:capacity 60m<sup>3</sup>/h  
95-serise:capacity 93m<sup>3</sup>/h



2 pumps solution  
30-series  
50-series  
130-series  
190-series



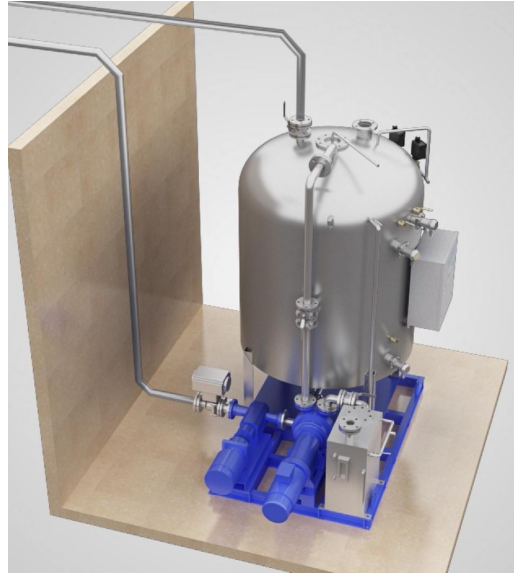
3 pumps solution  
45-series  
75-series  
285-series

## 2.1 Products VacDrain Vacuum Toilet System

### Vacuum tank unit—mainstream vacuum type



Water ring vacuum pump  
Please consult the  
manufacturer with  
parameters



2 pumps solution  
1 vacuum pump  
1 discharge pump  
Tank volume can be customized



4 pumps solution  
2 vacuum pumps  
2 discharge pumps  
Tank volume can be customized

## 2.1 Products VacDrain Vacuum Toilet System

### Other type unit-customized



Vacuum ejector unit



Pump type/tank volume  
customized

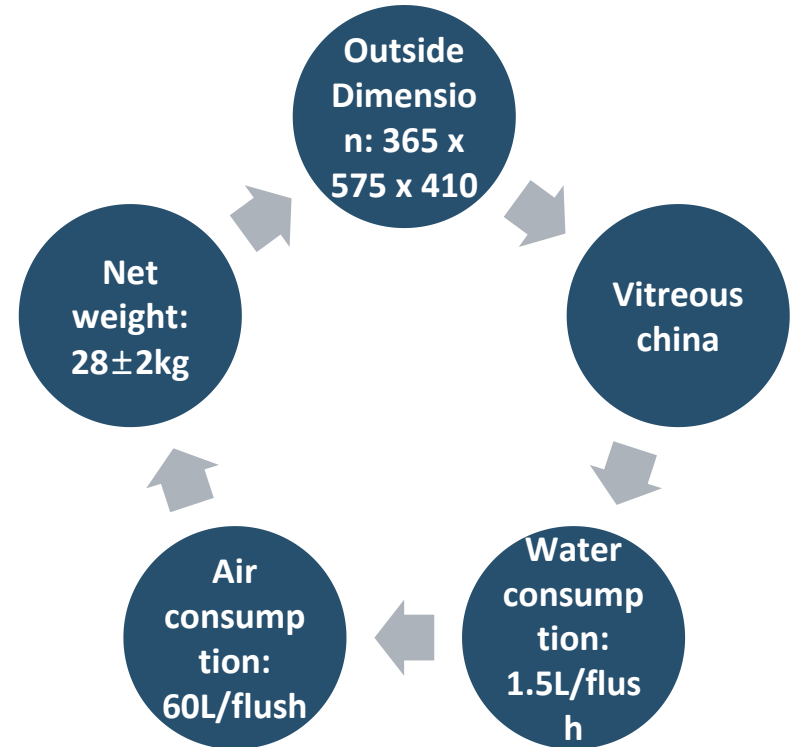
## 2.2 Products VacDrain Vacuum Toilet System

### Vacuum toilet



**Patent number:**  
**ZL 2017 3 0143523.6**

### Flap wall-mounted type



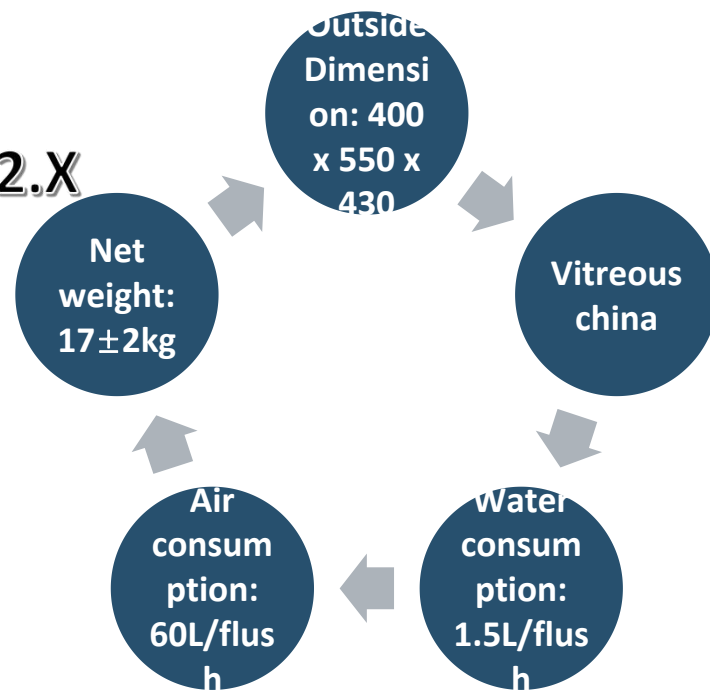
## 2.2 Products VacDrain Vacuum Toilet System

### Vacuum toilet



**Patent number:**  
**ZL 2018 3 0504472.X**

**Normal wall-mounted type**  
**Especially for bidet**

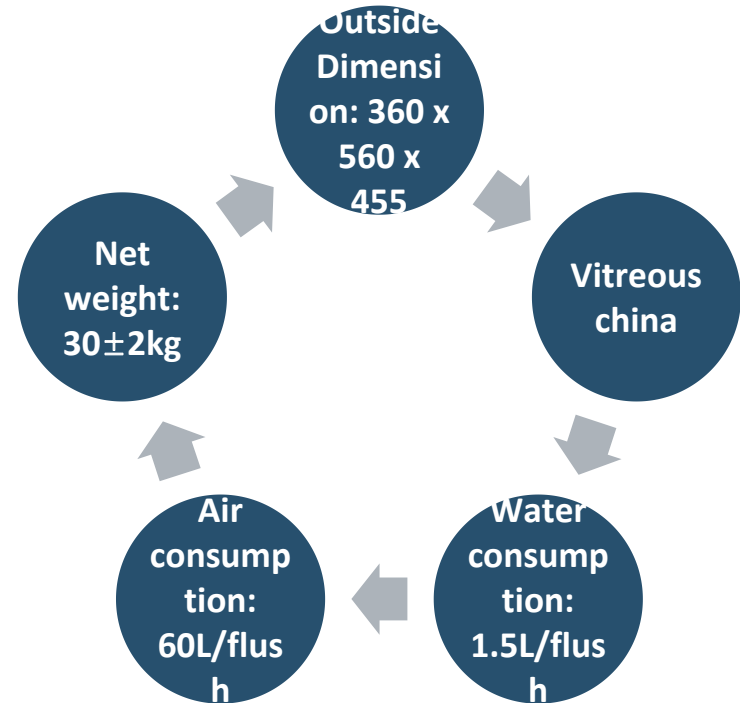


### 3.1 Products VacDrain Vacuum Toilet System

## Vacuum toilet



## Floor-mounted type



## 2.2 Products VacDrain Vacuum Toilet System




### Vacuum toilet

### COMPARATIVE LIST OF VACUUM TOILET

ITEM	EVAC	VACDRAIN	JETS
1. Installation factory	Shanghai, China	Shanghai, China	Ningbo, China
2. Discharge valve	 <p>EVAC discharge valve</p>	 <p>VacDrain discharging pipe is straight which be more easier for waste water to go through</p>	 <p>JETS type valve discharging pipe is NOT straight, blocking risk</p>

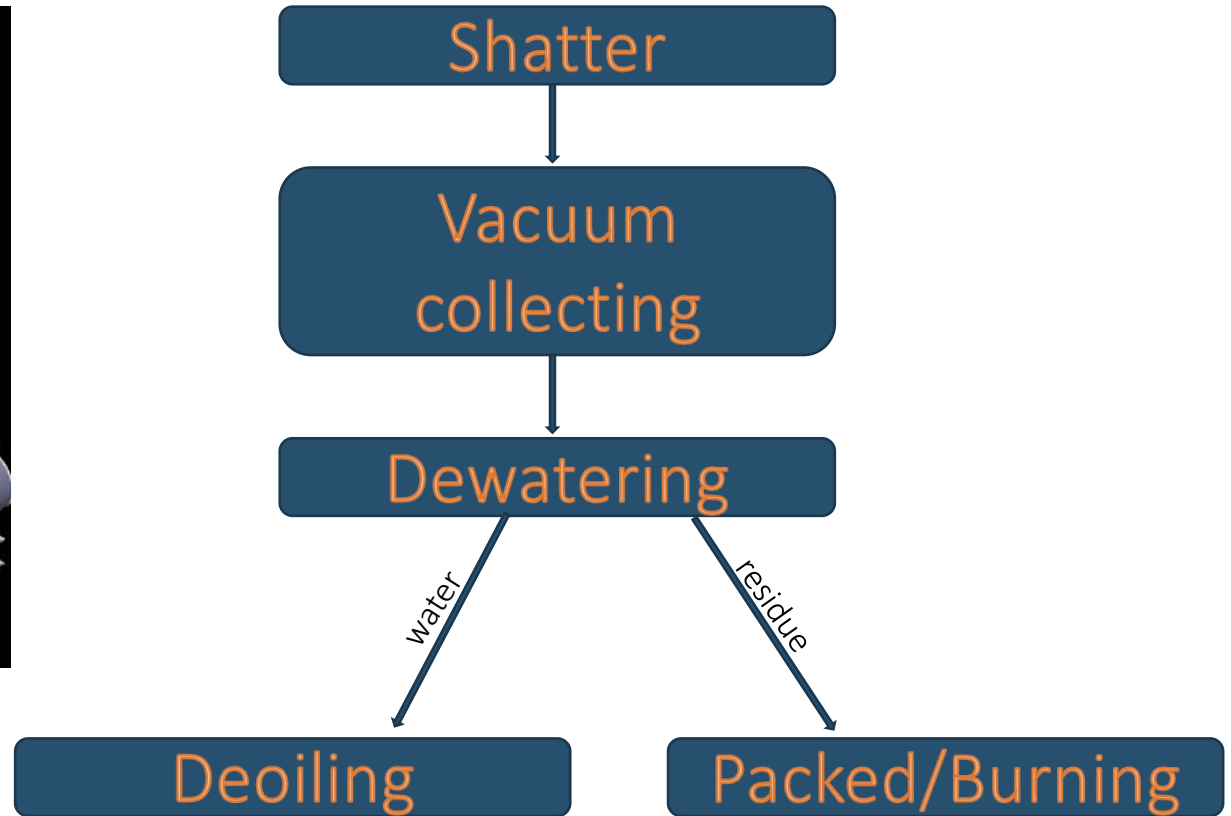
## 2.2 Products VacDrain Vacuum Toilet System

Vacuum toilet

ITEM	EVAC	VACDRAIN	JETS
3. Water flushing valve		 Easy for maintenance	 Compacted with discharge valve, difficult to maintenance
4. New building price	100%	90%	110%
5. Spare part price	110%	80%	100%
6. Warranty	One year after ship delivery	One year after ship delivery	One year after ship delivery



## 2.3 Products VacDrain Food Waste System



## 2.4 Products VacDrain Garbage System



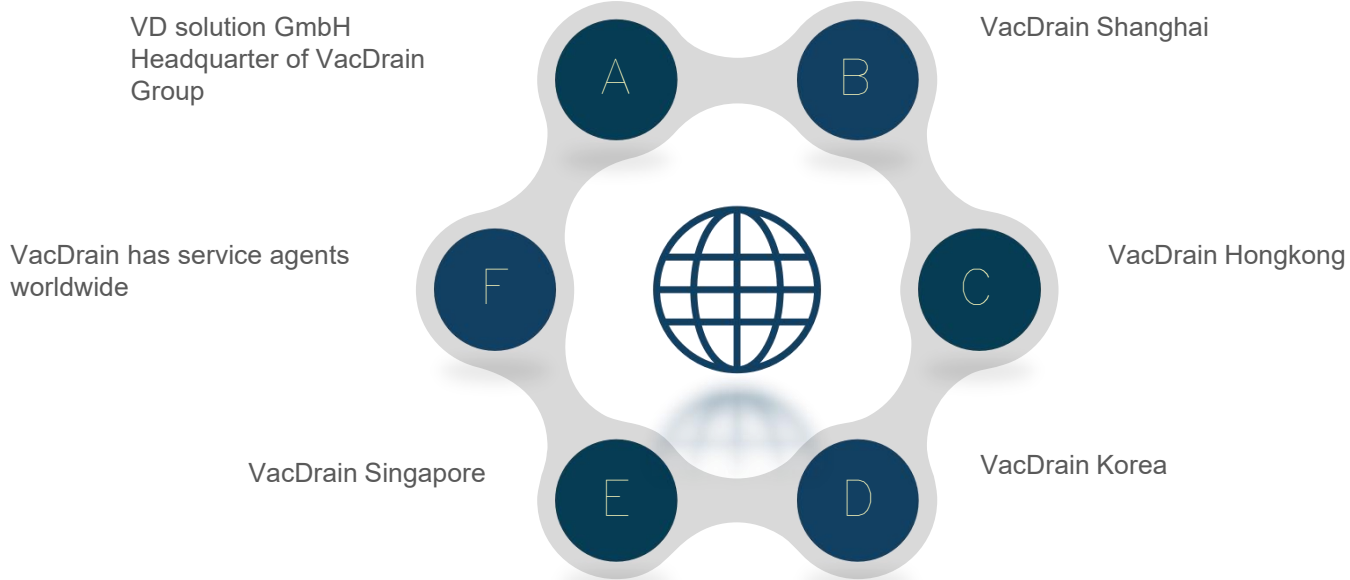
Please consult the manufacturer with parameters

PART  
03

# Global Service Network

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# 3 Global Service Network



# 3 Global Service Network

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PART  
04

# Reference

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4 Reference

## Cruise “Diamond Princess”



**BEST INTERNATIONAL SHIP  
IN JAPAN**

Cruise Magazine Reader's Poll



4 Reference

## Cruise “Diamond Princess”





## 4 Reference

# Cruise “Sun Princess”



## 4 Reference

# Cruise “Quantum of the sea”



End

VacDrain GmbH