

# VAC

## Dirty Water Vacuum Pumps - VAC-2000/4001

### Design VAC-2000

A pump series with many applications and a generation of dirty water vacuum pumps, based on the principle of the liquid ring system. This compact pump type combines all performances of DIAPHRAGM, PISTON and CENTRIFUGAL PUMPS and will, by means of the specially developed rotor, continuously pump liquids as well as air or gasses in any mixture.

Free rotating stainless steel rotor, stainless steel rotor housing, stainless steel wear plate. Protected against dry-running by oil lubricated seal.

### Advantages VAC-2000

- Enormous air capacity
- Wear-resistant
- Dry-running protection
- For direct or V-belt drive
- No diaphragms
- Low weight
- Compact design
- Also operating without non-return valve



### Applications VAC-2000

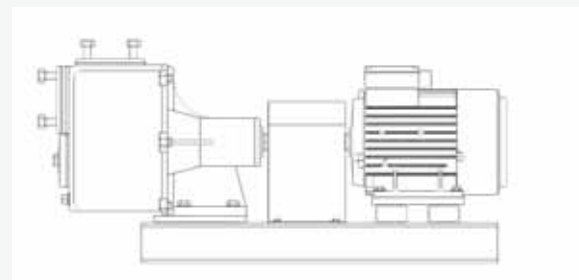
- (Emergency) bilge pump
- Bilge-ballast pump
- General service pump
- Vacuum pump
- Gland-leaking water pump
- For chemical industries
- Draining holds
- Emptying vessels
- Well point systems

Free shaft end, with electric motor or diesel engine, with friction clutch and V-belt pulley. Submerged version also available.

### Technical specifications VAC-2000

Type:	VAC 2000
Pipe connections:	DN 65 suction/discharge
Capacity:	Max. 20 m <sup>3</sup> /h
Total head:	Max. 1.6 bar
Suction head:	92% (approx. 9.6 mLC)

Available in cast iron and bronze in the following combinations:



*VAC 2000 with free shaft end.  
VAC 2000 is complete with flexible coupling  
and electric motor 2.2 kW at 2850 RPM.*

## Dirty Water Vacuum Pumps - VAC-2000/4001

### Design VAC-4001

A pump series with many applications and a generation of dirty water vacuum pumps, based on the principle of the liquid ring system. This compact pump type combines all performances of DIAPHRAGM, PISTON and CENTRIFUGAL PUMPS and will, by means of the specially developed rotor, continuously pump liquids as well as air or gasses in any mixture.

Free rotating stainless steel rotor, stainless steel rotor housing, stainless steel wear plate. Protected against dry-running by oil lubricated mechanical seal.

### Advantages VAC-4001

- Enormous air capacity
- Wear-resistant
- Dry-running protection
- For direct or V-belt drive
- No diaphragms
- Low weight
- Compact design
- Also operating without non-return valve



### Applications VAC-4001

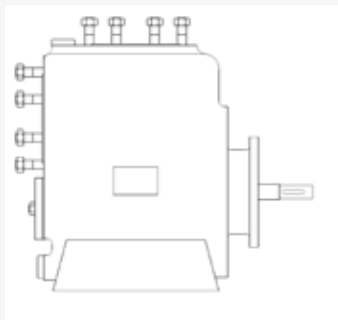
- (Emergency) bilge pump
- Bilge-ballast pump
- General service pump
- Vacuum pump
- Gland-leaking water pump
- For chemical industries
- Draining holds
- Emptying vessels
- Well point systems

### Technical specifications

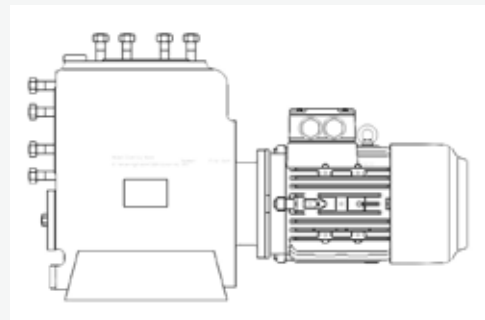
Type: VAC 4001  
 Pipe connections: DN 100 suction/discharge  
 Capacity: Max. 85 m<sup>3</sup>/h  
 Total head: Max. 2.0 bar  
 Suction head: Up to 92% (approx. 9.6 mLC)

### Available in cast iron and bronze in the following combinations:

Free shaft end, with electric-motor (close-coupled or on base plate) and diesel engine, with friction clutch and V-belt pulley. Submerged version also available.



VAC 4001 with free shaft end.



VAC 4001 in close-coupled design with electric motor 5.5 kW at 2850 RPM.