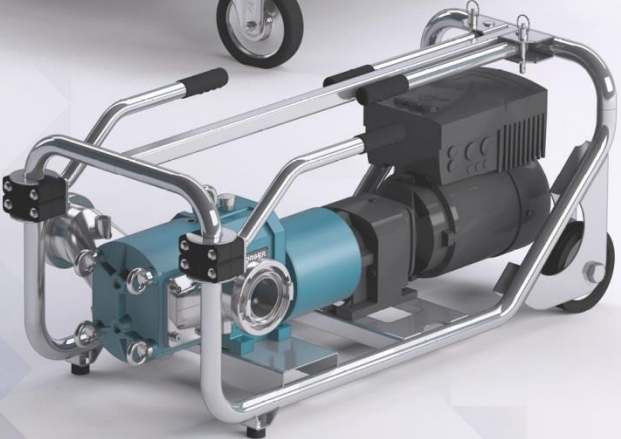


**BÖRGER**<sup>®</sup>

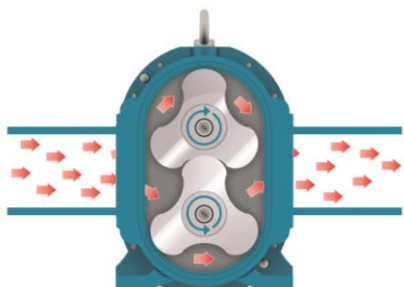
EXCELLENCE - MADE TO LAST

COMPACT  
MOBILE PUMPS



# BÖRGER ROTARY LOBE PUMPS

## THE VERSATILE MOBILE PUMP



*Frequently, situations arise, in which a mobile pump is required. Thanks to its compact design, the chemical resistance and the self-priming operation, the Börger rotary lobe pump is ideally suited for this application. Mobile pumps are versatile and very often indispensable.*

Each Börger rotary lobe pump is configured for its specific application using a modular principle. This also applies to the mobile pumps. In this respect, Börger delivers everything from a single source. The entire unit is designed and manufactured for the corresponding application, including the mobile unit, the pump technology and the control unit.

### OPERATING PRINCIPLE

Rotary lobe pumps are self-priming, valveless, positive displacement pumps. The synchronized rotation of the rotor pair creates a vacuum on the priming side of the pump. This vacuum draws the liquid into the pump chamber. The medium is pumped into the pressure area due to the rotation of the rotors. If the direction of rotation is changed, the flow is reversed.

### CONSTRUCTION

- 1 The quick-release cover**  
Access to all wetted parts by simply loosening four ring nuts.
- 2 The rotors**  
Large selection of high-quality rotors for almost pulsation-free pumping of the medium.
- 3 The casing protection**  
The casing liners and casing protection plates protect the pump casing from wear and can be replaced in a matter of minutes.
- 4 Intermediate chamber and shaft seal**  
The large-volume quench chamber is oil-filled and ensures the highest degree of safety. The ideal mechanical seal is selected depending on the medium.
- 5 The carrier and timing gear**  
The high-quality and maintenance-free carrier and timing gear guarantees a smooth and even operation of the rotors. The result is a long service life of the pump.



## AT A GLANCE

- + Customized
- + Broad range of materials for all pump components
- + Self-priming, pumping in slurp operation possible
- + Continuously adjustable, variable flow rate
- + Ease of maintenance with MIP (Maintenance in Place)
- + Gentle pumping of shear-sensitive media
- + Resistant to solids

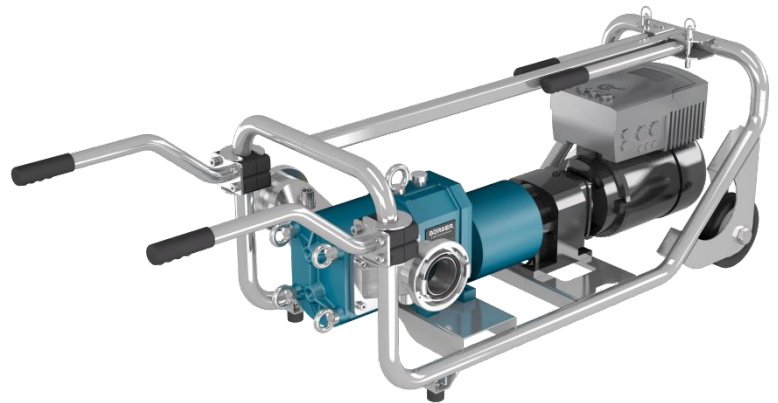
Series	Flow rate [m³/h]		Max. pressure [bar]
	Min	Max	
<b>BLUEline</b> AL	1	28	12
<b>ONIXline</b> BJ	3	68	16
<b>BLUEline</b> PL	3	130	12
<b>ONIXline</b> BL	6	135	16
<b>BLUEline</b> CL	8	188	12
<b>BLUEline</b> FL	18	410	12
<b>BLUEline</b> EL	32	1.100	10
<b>BLUEline</b> XL	52	1.500	10

## MOBILE PUMP UNITS

There are hardly any limits when designing a mobile pump. Depending on the requirements, the mobile pump is constructed as a hand cart pump, a portable pump, on a trailer, for transport with a forklift truck or with a three-point mounting.



Hand cart pumps



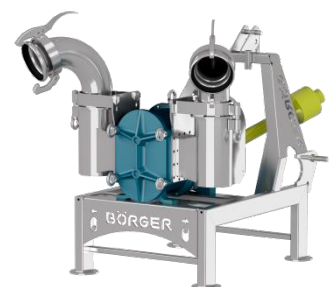
Portable pumps



On a truck or car trailer



Transport with a forklift truck



PTO pump

# EASY HANDLING

## THE FLEXIBLE HAND CART PUMP

*Hand cart pumps can be pushed very easily to different application sites without any additional auxiliary means and are ready for use right away.*

Whether on two or four wheels, in ATEX- or TA Luft-compliant design, whether with control technology or frequency converter – with the wide range of equipment and additional parts, Börger is able to build hand cart pumps optimally suited for almost any application.

### CONSTRUCTION AND FUNCTION

- 1 The rotary lobe pump**  
*The powerful rotary lobe pump is designed and manufactured individually to suit your application.*
- 2 Direct drive coupling**  
*The electric motor is coupled directly to the cylindrical pump shaft by means of a hollow shaft.*
- 3 The motor**  
*The pump is driven by an electrical parallel shaft helical gear motor. Upon request, the motor can be equipped with a frequency converter.*
- 4 The chassis**  
*The pump is installed on a chassis made of stainless steel. Thanks to the four solid-rubber tires the pump is very easy to move. By slightly pressing down the pushing device [1], the pump can be steered very easily [6].:*
- 5 The crane lugs**  
*The crane lugs facilitate easy loading and unloading of the pump.*



## VERSATILE USE

- ✓ Emergency pump
- ✓ Replacement pump for pump maintenance
- ✓ Product filling operation
- ✓ Hazardous material pump
- ✓ Mining pump
- ✓ Technical center pump
- ✓ Removal of residues from tanks
- ✓ For emptying/filling tanker trucks
- ✓ Wine transfer pump
- ✓ For emptying IBCs, barrels, etc.
- ✓ and so on

## AT A GLANCE

- + Customized
- + Chemically resistant
- + Easy handling
- + Perfectly matched components
- + Upon request, in ATEX- or API 676-compliant design
- + Compact and powerful
- + Drive can be selected

## TAILORED SOLUTIONS

With electric motor



With combustion motor



ATEX-compliant



With control technology



For changing pumped media



With additional macerator



With liquid tank



Heated units



With filter and measuring technologies



# FOR TERRAIN WHICH IS DIFFICULT TO ACCESS THE PORTABLE MOBILE PUMP

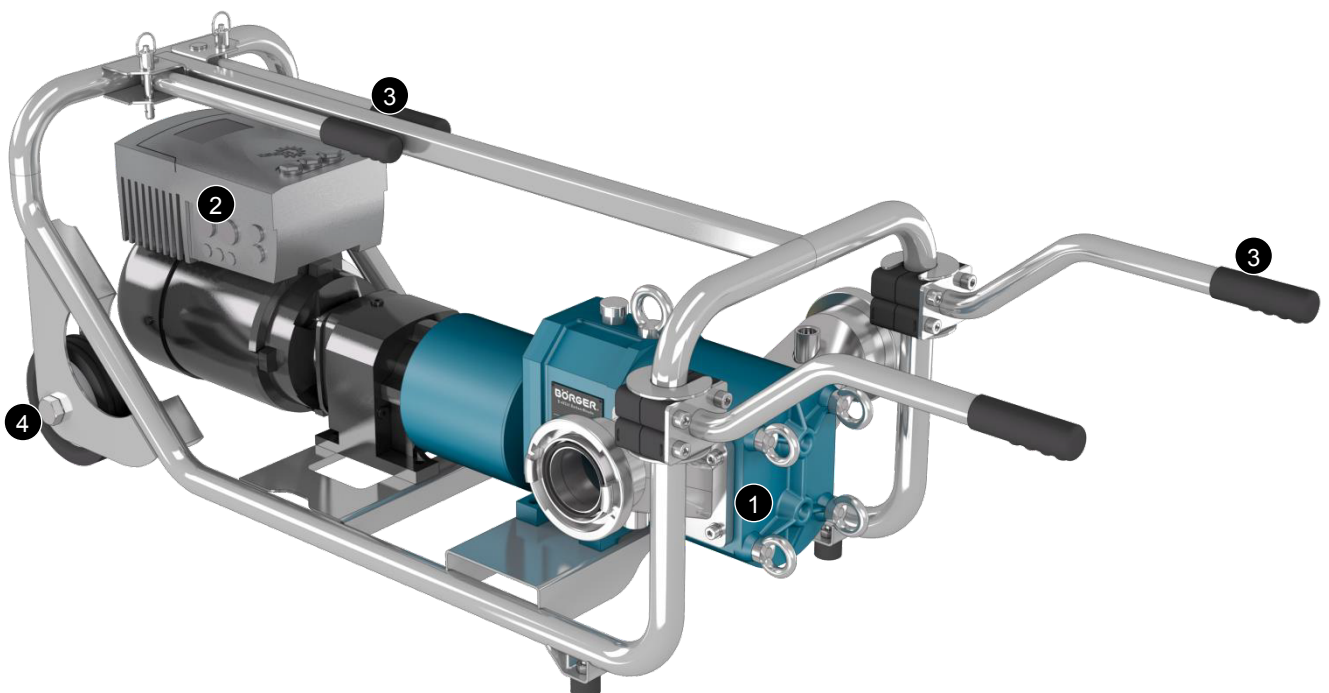
*Börger has developed the portable mobile pump especially for use in areas which are difficult to access. This solids-resistant pump is designed such that the pump including the drive can be carried to the corresponding area of application.*

The portable pump is built in such a compact way that the pump including the drive can be transported in the storage compartment of an emergency vehicle, on a truck bed or in a car trunk. Despite its small size, the pump covers flow rate ranges of up to 30 m<sup>3</sup>/h.

Börger rotary lobe pumps are able to pump in slurp operation and are suitable for cleaning up residual liquids or removing oil or similar substances from water surfaces.

## CONSTRUCTION AND FUNCTION

- 1 The rotary lobe pump**  
*The powerful rotary lobe pump is designed and manufactured individually to suit your application.*
- 2 The motor**  
*The pump is driven by an electric or a combustion motor. Upon request, the motor can be equipped with a frequency converter.*
- 3 The handles**  
*Using the hinged handles, the pump can be carried very easily and conveniently.*
- 4 The casters**  
*Thanks to its casters the pump can be pushed to the application site by one person.*



## VERSATILE USE

- ✓ Oil spill response pump
- ✓ Hazardous material pump
- ✓ Skimmer pump
- ✓ Emergency pump
- ✓ Extinguishing foam pump
- ✓ Fire department pump
- ✓ Disaster relief pump
- ✓ For cleaning up and transferring
- ✓ Conveying of aggressive or highly viscous liquids or media containing solids
- ✓ Use in potentially explosive atmospheres
- ✓ Conveying of flammable liquids
- ✓ and so on

## AT A GLANCE

- + Chemically resistant
- + Easy handling
- + Compact, lightweight and powerful
- + Suitable for rough terrain
- + Upon request, in ATEX- or API 676-compliant design
- + Also made of aluminum
- + Customized
- + Drive can be selected

## TAILORED SOLUTIONS

With electric motor



With combustion motor



Can be carried by two persons



With pressure monitoring



ATEX-compliant



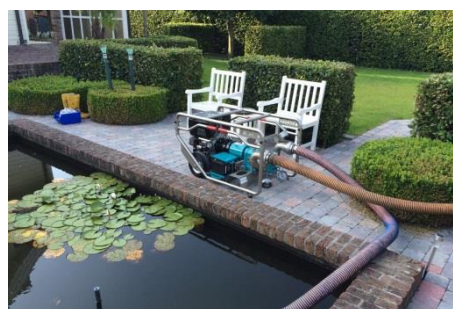
Can be pushed by one person



Very compact design



Versatile use



Portable even with combustion motor





**BÖRGER**  
Headquarter

**Börger GmbH**  
46325 Borken-Weseke, Germany  
Phone +49 2862 9103-0  
[info@boerger.de](mailto:info@boerger.de)

**Börger Benelux**  
Ootmarsum, Netherlands  
[info@boerger-pumps.nl](mailto:info@boerger-pumps.nl)

**Börger France S.A.R.L.**  
Wittersheim, France  
[info@borger.fr](mailto:info@borger.fr)

**Boerger Polska Sp. z o.o.**  
Gliwice, Poland  
[info@boerger.pl](mailto:info@boerger.pl)

**Börger UK Limited**  
Staffordshire, England  
[uk@boerger.com](mailto:uk@boerger.com)

**Boerger, LLC**  
Chanhassen, MN, USA  
[america@boerger.com](mailto:america@boerger.com)

**Boerger, LLC**  
Concepción, Chile  
[america@boerger.com](mailto:america@boerger.com)

**Boerger Pumps (Shanghai) Co. Ltd.**  
Pudong, Shanghai, China  
[shanghai@boerger.com](mailto:shanghai@boerger.com)

**Boerger Pumps Asia Pte Ltd**  
Singapore  
[asia@boerger.com](mailto:asia@boerger.com)

**Boerger Pumps Asia Pte Ltd**  
Gurgaon, Haryana, India  
[india@boerger.com](mailto:india@boerger.com)