

# BÖRGER®

The unique Rotary Lobe Pump  
for Mobile Applications



## With Boerger on the road

Boerger Statement: We didn't invent the Rotary Lobe Pump; we made something special of it!

Every mobile Boerger Rotary Lobe Pump is a customized solution, manufactured to our high standards in our production facility in accordance to the specification of the customer. Applications include bypass of pump stations, wellpoint systems and dewatering, flood control, digester and lagoon cleanup and everywhere, where a reliable, self priming mobile pump system is needed.

There are as many applications as there are construction variations for mobile Boerger Rotary Lobe Pumps.

Following basic advantages and characteristics of Boerger Rotary Lobe Pumps:

- Self Priming without vacuum assist
- Priming and transfer of highly viscous fluids
- Dry Run Capabilities
- Self Priming Operation with discontinuous fluid supply
- Speed proportional flow range up to a 10:1 ratio with speed control
- Flow volume independent of discharge pressure
- MIP-Design (Maintenance In Place)



Aggregate with a total weight of 3.5 tons. Silent pack with control window and height adjustable trailer hitch. The Boerger Rotary Lobe Pump is equipped with dry run protection and level control and therefore can be operated automatically.



PTO driven three-point hinge Boerger Rotary Lobe Pump. The pump has two driving shafts for reversing mode.



2,200 gpm (500 m<sup>3</sup>/h) mobile Boerger Rotary Lobe Pump with speed controllable diesel engine. Simple trailer set up prepared for possible future add on of rail and tarp cover.



Inexpensive, effective trailer mount of a Boerger Rotary Lobe Pump. Gooseneck flange design for increased priming capabilities. Compact and mobile for various applications.



Truck with PTO drives a self priming Boerger Rotary Lobe Pump. High flows with small investment.



1,320 gpm (300 m<sup>3</sup>/h) truck mounted, hydraulically driven Boerger Rotary Lobe Pump. Minimum weight, high output, compact design and easy access. MIP = Maintenance In Place.



Boerger Rotary Lobe Pump with 350 gpm (80 m<sup>3</sup>/h) output on single axle trailer. Equipped with mechanically adjustable variable speed drive and rotatable flanges, compact and minimum weight.



Universal mobile pump trailer with silent pack. Operated with Diesel Engine. Flow proportional to operating speed. Can be equipped with power independent alarm system.



Boerger Rotary Lobe Pump on electrically driven mini truck with tank and filters. Mobile solution for the collection and discharge of sewage.



Mobile Boerger Rotary Lobe Pump on cart. Driven by single cylinder diesel engine.

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**Various Paints** | Boerger developed a mobile pump package on a cart for changing applications. The gooseneck design of the flanges increase the suction capabilities of the Rotary Lobe Pump. A mechanically adjustable variable speed drive and a pneumatically operated control valve ensure high flow ratios.

### TECHNICAL SPECIFICATION

Pump	PL200
Flow Rate	variable
Pressure	6 bar, 87 psi
Power	3 kW, 4 HP



**Crude Oil** | A refinery requested a mobile emergency response pump system. BOERGER supplied a trailer mounted Rotary Lobe Pump capable of suction lifts up to 7 m (23 ft). The control panel is manufactured to the ATEX standard, the new European explosion proof standard. Dry run and over pressure are reliably monitored.

### TECHNICAL SPECIFICATION

Pump	FL 776
Flow Rate	150 m <sup>3</sup> /h, 660 usgpm
Pressure	4 bar, 58 psi
Power	30 kW, 40 HP



**Various Fluids** | Many wastewater authorities use mobile Boerger Pumps in sewage treatment plants and in flexible emergency services. The quick couplings at the suction and the discharge side allow many different applications. For higher flow rates double connections are possible as well. A torque-limiting system in the drive shaft prevents damages in case of larger foreign objects blocking the pump unit.

### TECHNICAL SPECIFICATION

Pump	FLA1540
Flow Rate	up to 500 m <sup>3</sup> /h, up to 2,200 usgpm
Pressure	2-3 bar, 29-44 psi
Power	50 kW, 67 HP



**Oil sludge / Seawater / Bilge / Sewage** | A Hamburg shipyard has equipped several ships with mobile Boerger Pumps fitted on hand trolleys for various applications. The carts are customized in order to fit through the small gangways on the ships. Low operating costs and high reliability convinced the shipyard.

### TECHNICAL SPECIFICATION

Pump	AL mobile
Flow Rate	2.5-5 m <sup>3</sup> /h, 11-22 usgpm
Pressure	3 bar, 44 psi
Power	1.5 kW, 2 HP