

BÖRGER®

The unique
Rotary Lobe Pump
with MIP!



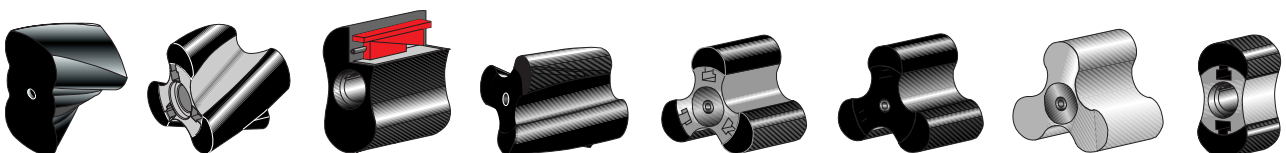
Powerful Endurance. Unrivalled Maintenance Friendly.

Unique MIP-Design
of Boerger Pumps:
Fast and uncomplicated
maintenance and repair on
site by your own staff!

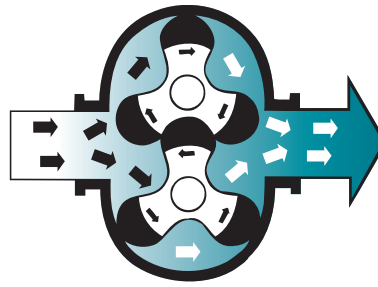


„We didn't invent the Rotary Lobe Pump, we made something special of it!"
Today Boerger is the leading manufacturer of elastomer coated Rotary Lobe Pumps. Your decision for Boerger contains patented technology, unrivalled maintenance friendliness and customized solutions – at every location, for every fluid, in all sectors of the industry.
As diversified and individual your application is, as numerous is the variety of components and materials of construction of our pump design. Each pump incorporates a customized solution based on the teamwork between the customer and our engineering department.

Rotor shapes and materials are chosen based on the characteristics of the pumped fluid. Different rubber, plastic and metal rotor materials are available. A total of 17 pump models in the AL, PL, CL, FL and XL Series cover a flow range of 4 - 5,500 usgpm (1 - 1,250 m³/h).
Because of the rotor variety Boerger pumps are often prime choice in a variety of industries:
Construction industry; mining; chemical, ceramic and oil industry; pulp and paper; wastewater, sludge and biosolids; marine and oil spill industry; food processing; sugar and starch industry; soap, grease and oil mills; breweries; waste recycling; etc.



We do not let you wait!



Rotary Lobe Pumps are self-priming, valveless positive displacement pumps. The screw rotor enables pulsation free and gentle conveyance, the pump operation is reversible.

Downtime and maintenance cost time and money. As little time as possible should be spent on maintenance. By following this philosophy Boerger Rotary Lobe Pumps improve continuously.

The result: An extremely powerful, robust and unrivalled maintenance friendly pump. All wear and tear parts are extremely rigid, durable and very inexpensive. Expensive maintenance contracts, complicated repairs are not common to Boerger – You take charge

of your maintenance and repair costs. Our MIP-Design is a unique advantage: MIP (Maintenance In Place) allows the quick and convenient replacement of all fluid wetted parts without removal of pipes, drives or other components of the pump unit by your own staff.

Rotors with individually replaceable rotor tips or readjustable lobes reduce the repair costs especially with abrasive fluids. Boerger didn't invent the Rotary Lobe Pump, but made



Quick Release Cover: The door of the Boerger pump. Quick access to all fluid wetted parts.

Rotors: Patented solutions with fast interchangeable rotor tips, entirely coated rotors or readjustable lobes, screw shape design for pulsation free operation

Shaft Seal: Robust and durable mechanical seals as standard, optional with Multiseal or packing

Rotor Material: Coated with choice of different elastomers, Urethane, PTFE or stainless steel

Reversible Flow: Flow can be reversed by rotation direction change, suitable for loading and unloading applications

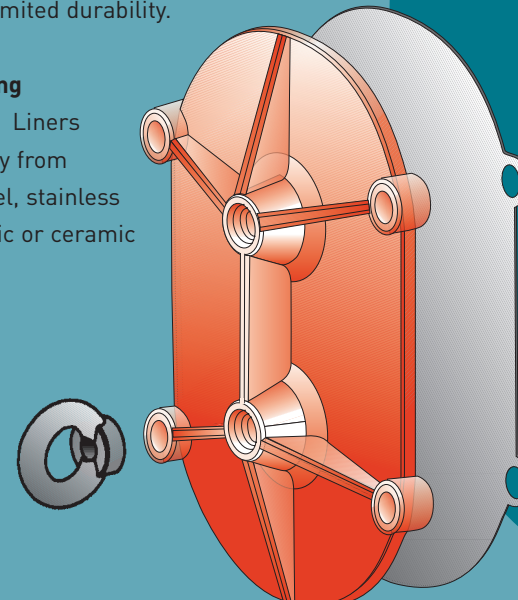
Low Shear Operation: Large volume geometry and short suction / discharge distance enable gentle pumping operation

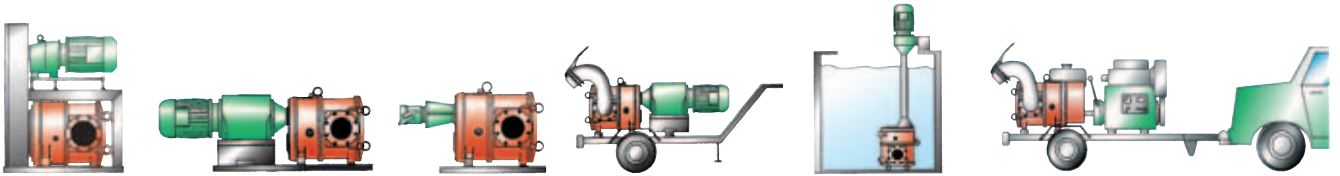
Compact design: High flows on the most limited space

BLOCK Construction: Timing gear in BLOCK gearbox with robust bearing / gear wheels design

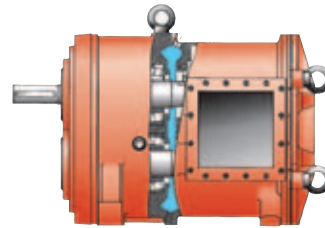
Pump Casing: From quality cast iron, ductile iron or stainless steel; with MIP-Design almost unlimited durability.

Pump Casing Protection: Liners alternatively from Hardox steel, stainless steel, plastic or ceramic



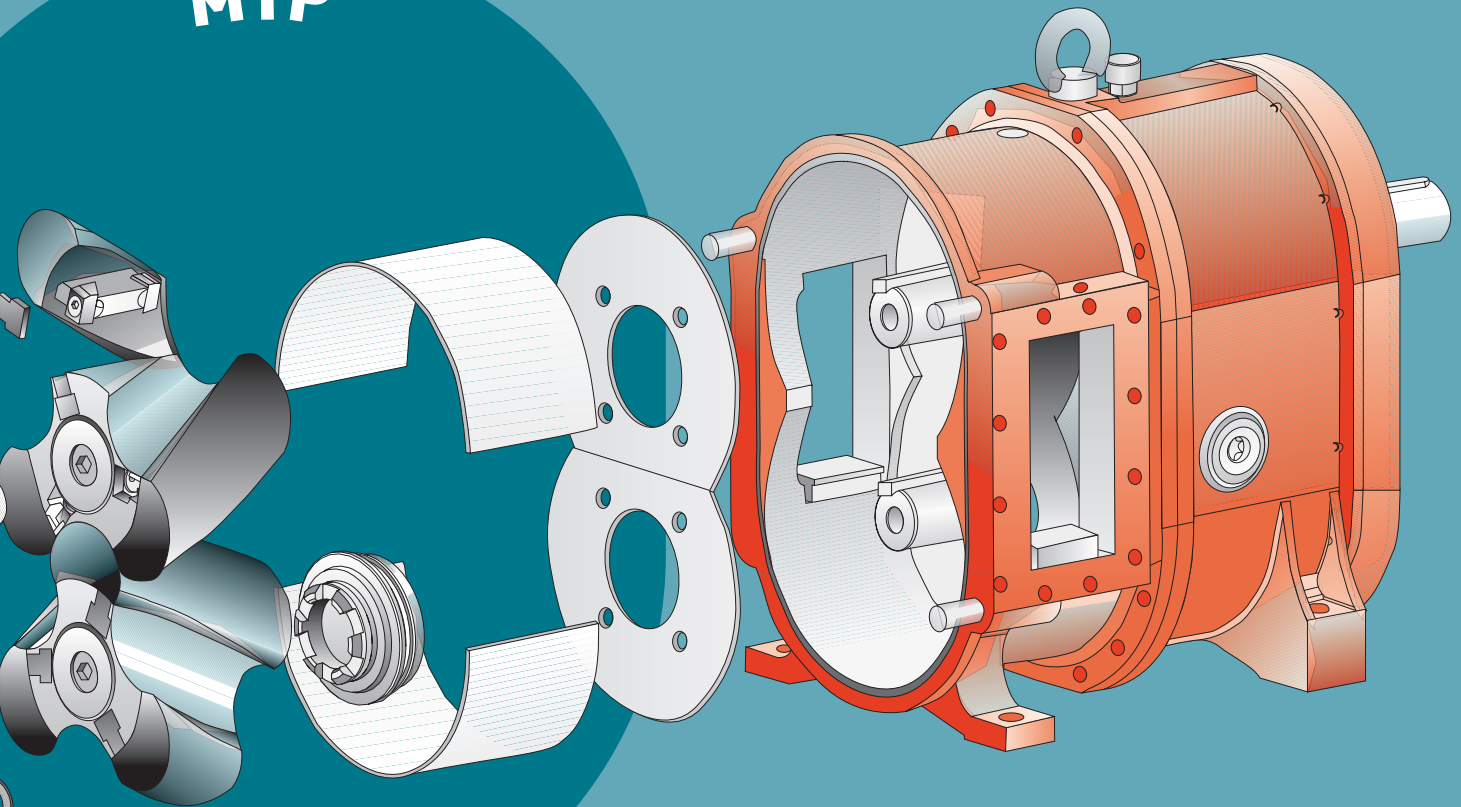


something special of it: The low energy consumption next to the maintenance friendly MIP-Design reduces the life cycle cost of your Boerger pump. The drive, base and flange arrangement possibilities are unlimited, for example trailers with pump / diesel engine configuration are manufactured in our own facilities.



Quench as standard:
Intermediate chamber
filled with quench and
control fluid for safe
mechanical seal operation

MIP

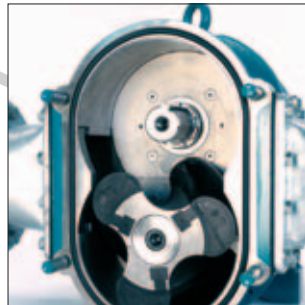
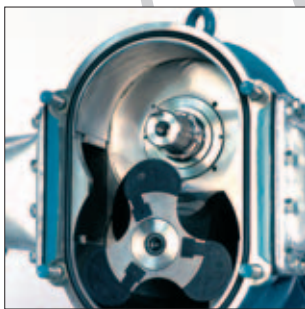
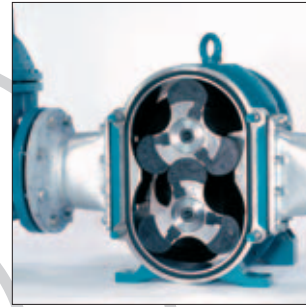


MAINTENANCE IN PLACE

Take us apart!

The quick release cover

enables easy access to the inner components of the pump. All fluid wetted parts can be quickly maintained and replaced when necessary - without removal of pipe or drive system



MIP®

Variety of Applications

Wastewater, sludge and biosolids
Chemical and pharmaceutical industry
Paint and coatings
Starch and sugar industry
Liquid raw materials e.g. latex
Pulp and Paper
Food Waste Processing
Soap, grease and oil mills
Fruit and vegetable processing
Mining industry
Marine and oil spill industry
Petrochemical industry
Ceramic industry
Well point systems



Worldwide unique
and exclusive from Boerger:
Unrivalled MIP-Design reduces
life cycle cost and downtime

