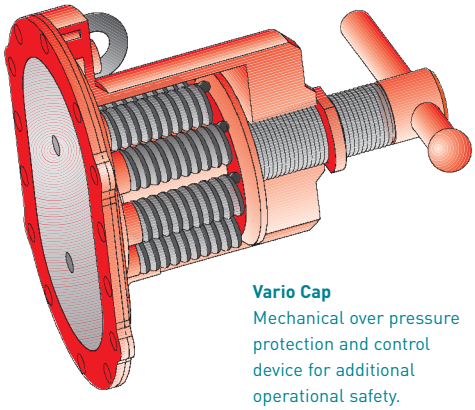
BÖRGER®

The unique Rotary Lobe Pump with MIP!

Problematic Waste Disposal with Rotary Lobe Pumps from Boerger!

Waste Processes in the recycling industry demand reliable and robust pump units. The wide range of pump sizes, the option loaded modular design and the peripheral equipment enable Boerger to supply a suitable Rotary Lobe Pump for your pump application.

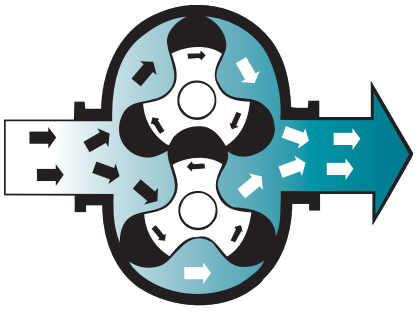
The Boerger MIP-Design is a unique advantage to minimize downtime and maintenance: MIP (Maintenance In Place) allows the quick and convenient replacement of all fluid wetted parts without removal of pipes, drives or other components of the pump unit by your own staff. Quick – Uncomplicated – Inexpensive. The quick release cover allows simple access to the inner parts of the pump.



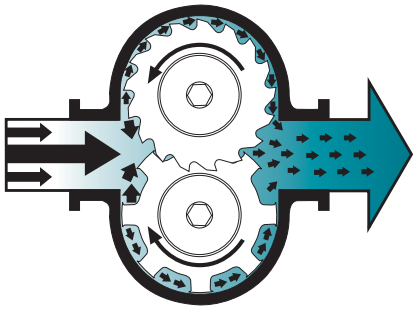
Vario Cap
Mechanical over pressure protection and control device for additional operational safety.

The various, often strongly contaminated liquids in the recycling industry require individually customized selections of pumps: Boerger offers various shaft seals designs and rotor materials with different coatings (Elastomer, PTFE or Urethane) or solid stainless steel rotors. Casing protection plates are supplied with various steel, plastic or ceramic qualities. For additional operation safety the Vario-Cap for over pressure protection can be added.

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



The Multicrusher
is an effective, widely applicable macerating unit based on the proven design of the Boerger Rotary Lobe Pump: Boerger – one principle, two bestsellers.



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

MAINTENANCE® MIP IN PLACE
BÖRGER

Photo Chemicals | In a production facility a Boerger Rotary Lobe Pump is used for feeding low viscosity photo chemicals into a recycling process. The pump is fitted with casing and flange connections from high grade stainless steel and operates to the full satisfaction of the customer for ten years.

TECHNICAL SPECIFICATION

Pump	PL 200
Flow Rate	20–50 m³/h, 88–220 usgpm
Pressure	2 bar, 29 psi
Power	5.5 kW, 7.5 HP

Pulp from Paper Waste | For paper waste recycling a Boerger Rotary Lobe Pump conveys pulp in a paper mill. All fluid-wetted parts of the Rotary Lobe Pump are made from stainless steel, the rotor tips are coated with EPDM.

TECHNICAL SPECIFICATION

Pump	FL 1036
Flow Rate	100–165 m³/h, 440–726 usgpm
Pressure	1 bar, 15 psi
Power	22 kW, 30 HP

Liquid Chemical Waste | A company for environmental protection and municipal services operates two Boerger Rotary Lobe Pumps, which are installed above each other in a space saving design. Since various chemicals have to be pumped, the unit is made from stainless steel and the rotors and secondary seals are made from highly resistant PTFE.

TECHNICAL SPECIFICATION

Pump	PL 300
Flow Rate	60 m³/h, 264 usgpm
Pressure	1 bar, 15 psi
Power	4 kW, 5 HP

Contaminated Fatty Acids | In this application well flowable, contaminated animal and vegetable fats are conveyed by a Boerger Rotary Lobe Pump. A relief valve with bypass system is installed to prevent over pressure from accidentally closed valves.

TECHNICAL SPECIFICATION

Pump	AL 50
Flow Rate	4–6 m³/h, 18–26 usgpm
Pressure	4 bar, 58 psi
Power	1.5 kW, 2 HP

Oil Sludge | In this plant a Boerger Rotary Lobe Pump is used to transfer oil sludge from the receiving station to a recycling process. With the good suction capabilities even highly viscous fluids can be primed through the macerating device installed in the suction line. The discontinuously operated pump is installed so that liquids remain in the pump body for easy repriming.

TECHNICAL SPECIFICATION

Pump	PL 200
Flow Rate	28 m³/h, 123 usgpm
Pressure	4 bar, 58 psi
Power	7.5 kW, 10 HP

Kieselguhr | This pump with MIP Radial Liners is installed in a brewery for loading and unloading of tank trucks with Kieselguhr. The flange connections have different nominal diameters at suction and discharge side, adapted to the requirements of the customer.

TECHNICAL SPECIFICATION

Pump	CL 390*
Flow Rate	12 m³/h, 53 usgpm
Pressure	4–6 bar, 58–87 psi
Power	3 kW, 4 HP

* with screw auger feed

Thickened Mud | In a shipyard in Asia thickened mud from sandblast cleaning of a ship is pumped with a Boerger Rotary Lobe Pump from a storage tank to the dewatering unit. In spite of the abrasiveness of the fluid the pump operates 16 hours per day with a discharge pressure of 4 bar (58 psi) to the full satisfaction of the customer.

TECHNICAL SPECIFICATION

Pump	PL 100
Flow Rate	12 m³/h, 53 usgpm
Pressure	4 bar, 58 psi
Power	4 kW, 5 HP

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