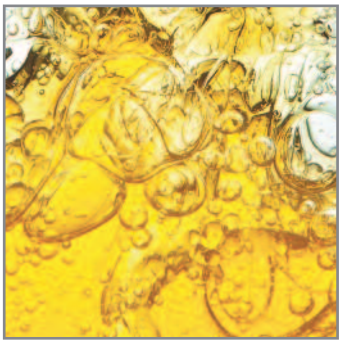
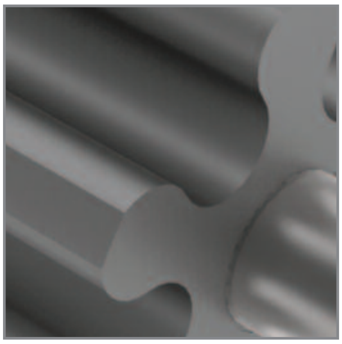
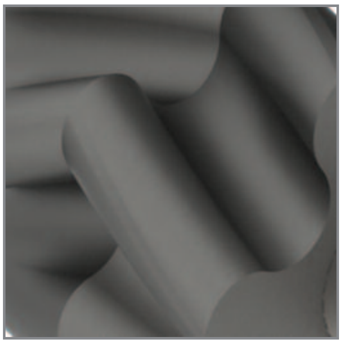
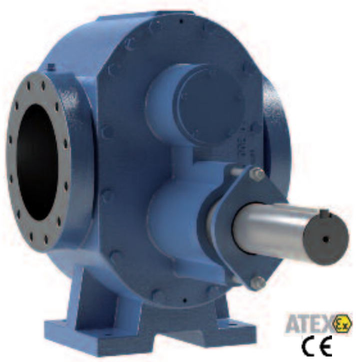
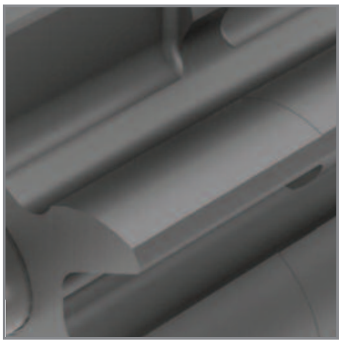
Broquet

SOLUTIONS FOR VISCOUS LIQUIDS





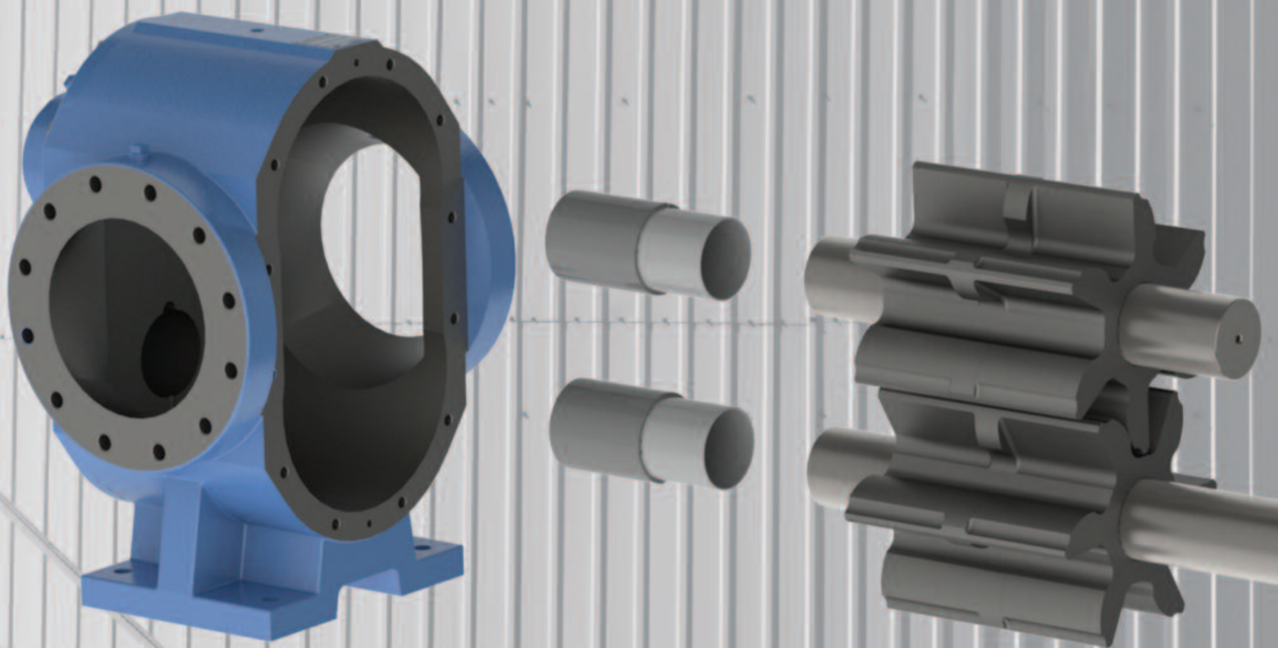

Viscous liquid solutions

Pumps

With 40 years experience in pumping liquids with particles or highly viscous, BROQUET pumping solutions are considered as one of the most reliable on the market.

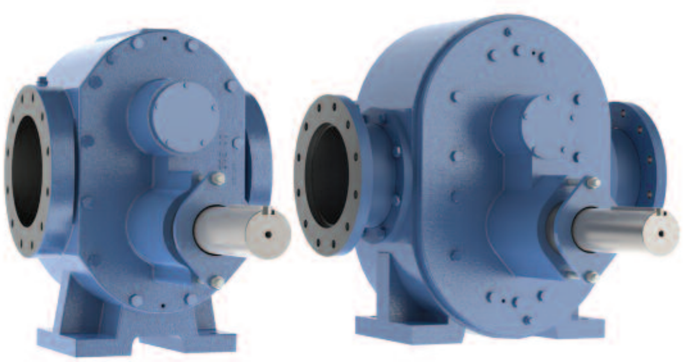
Thousands of pumps installed in various industrial sectors are a guarantee of our knowledge of the complex behaviour of fluids.

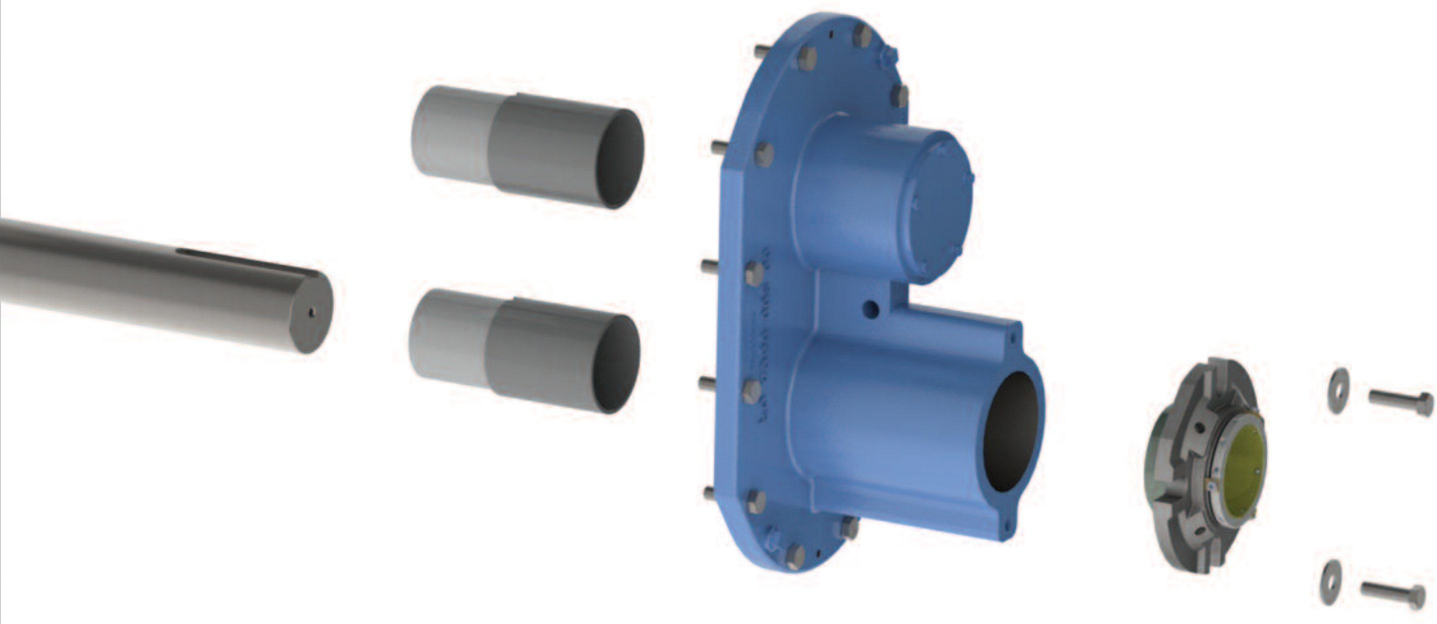
Our workmanship in Rheology, Fluid Dynamics, Materials and Mechanical Engineering has enabled us to develop a full range of reliable pumps for any kind of application in the Chemical and Petrochemicals Industries.



THE SIMPLE DESIGN ENSURES RELIABILITY

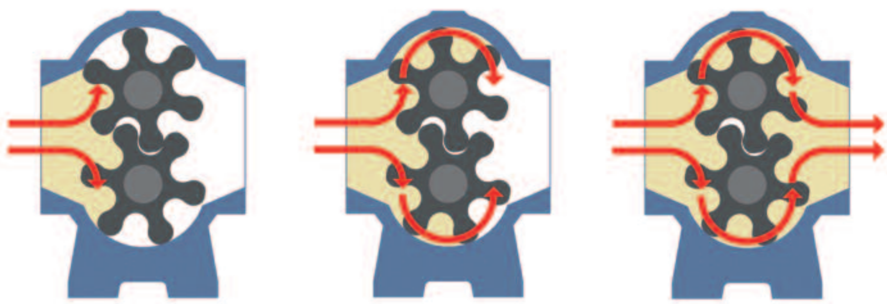
BROQUET pumps are made of a limited number of components to make maintenance easier.



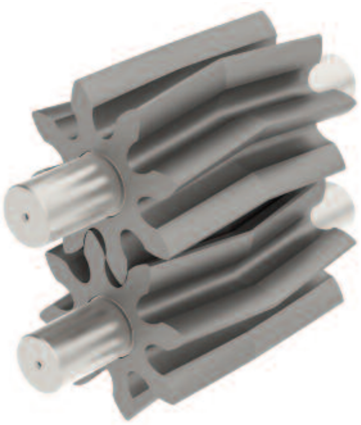


PRINCIPLE

The BROQUET pump is a positive displacement one. Its flow rate is related to the rotation speed. It has only 2 moving components.
Rotors are turning in reverse direction and push the fluid around the pump chamber. This pump is self-priming.



YOUR PROCESS IS COMPLEX, OUR SOLUTIONS ARE MANY.
BROQUET DESIGNS AND SUPPLIES ROTOR PROFILES ADAPTED TO EACH APPLICATION



ROTOR F

Helical herringbone rotor with rolling profile, designed for the transfer of low viscosity fluids, clear with a stable rheology.

MAIN FEATURES

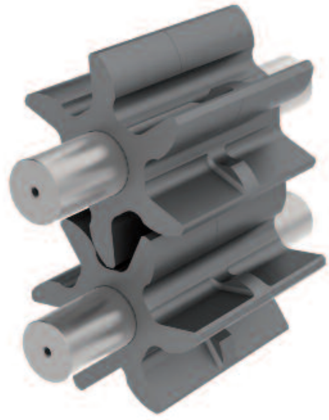
- High suction power
- Significant hydraulic yield
- Low shearing effect
- Constant flow rate
- Reversible
- Flow rate up to 30 m^3/h

ROTOR B

Lobe rotor with a scraping profile, suitable for the transfer of highly viscous liquids or with inconsistant rheology and for liquids with many particles or abrasive fluids.

MAIN FEATURES

- Suction power at low rotation speed
- Good hydraulic yield
- High volumetric efficiency
- Suitable for various granulometries
- Reversible
- Flow rate up to 240 m^3/h

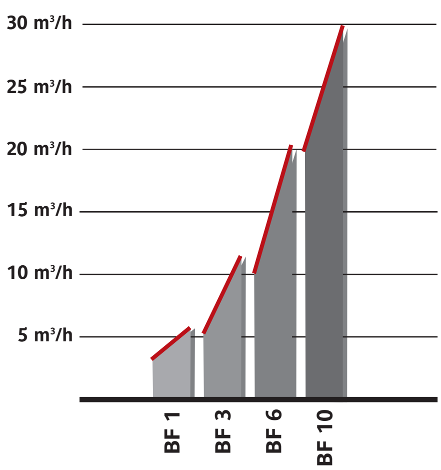


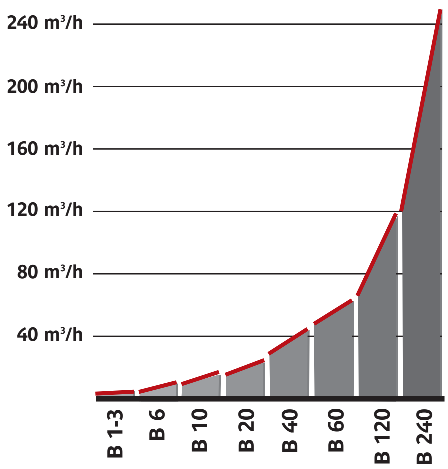
ROTOR X

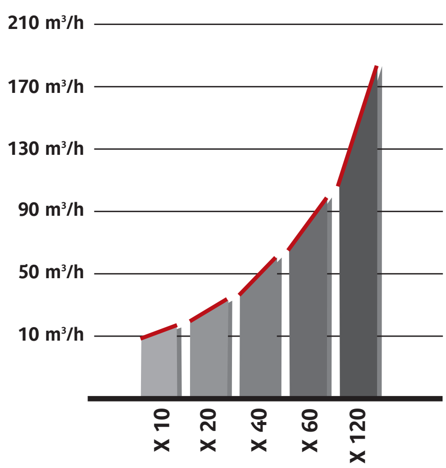
Straight rotor with a rolling profile and progressive exhaust.
New design for liquid with evolutive rheology on a large viscosity range.

MAIN FEATURES

- High hydraulic yield
- Good volumetric efficiency
- Reduction of the pulsating effect
- Low shearing effect
- Suitable for low granulometries
- Flow rate up to 180 m^3/h







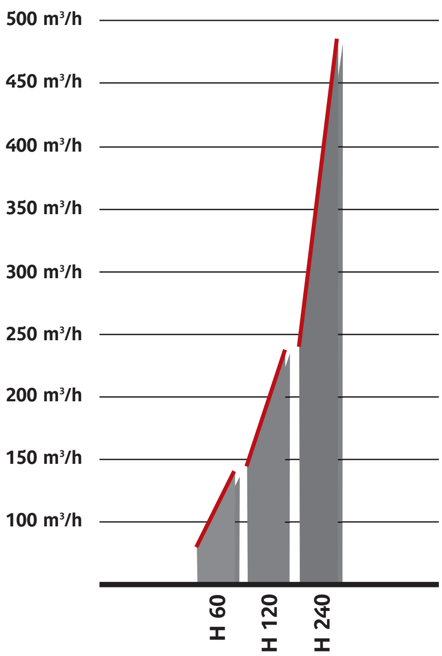
A WIDE RANGE TO FULFILL ANY REQUIREMENT

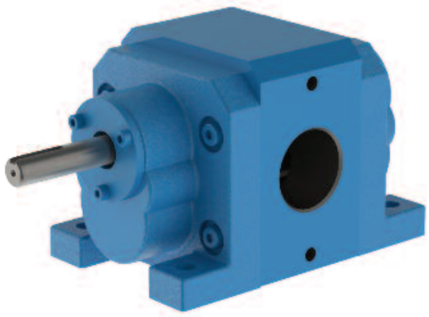
ROTOR H

Helical herringbone rotor with lobe profile, designed for the transfer of high flow rates of viscous liquids with a constant rheology.

MAIN FEATURES

- High hydraulic yield
- Steady flow rate
- Suitable for various granulometries
- Low shearing effect
- Flow rate up to 500 m^3/h



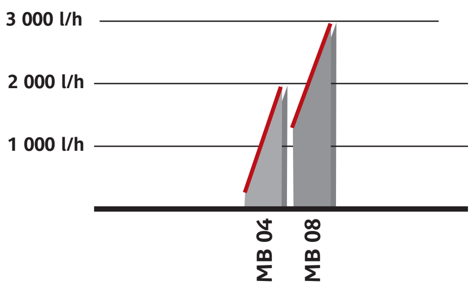


PUMP MB

Gear pump for small flow rates, clear and low viscosity liquids.

MAIN FEATURES

- Customized implementation
- Small size
- Flow rate up to 3000 l/h



MARKETS

- Biodiesel
- Bitumes
- Butadiene
- Detergent
- Collodion
- Fuels (Heavy and light)
- Gel
- Glue
- Ink
- Latex
- Liquid sulphur
- Mastic
- Mineral grease
- Oil and additives
- Paraffin
- Paints
- Pigments
- Polymers
- Polyurethane foam
- Resins
- Silicones
- Soaps
- Starch
- Synthetic rubber
- Tar
- Varnish
- Wax
- ...

THE RANGE

Depending on the size or the type of pump, various rotors can be assembled in B or K body

ROTOR B

- 9 sizes of pump
- Up to 240 m³/h
- 6-16 bar depending on version

ROTOR X

- 5 sizes of pump
- Up to 180 m³/h
- 6-12 bar depending on version

ROTOR F

- 4 sizes of pump
- Up to 30 m³/h
- 8-12 bar depending on version

ROTOR H

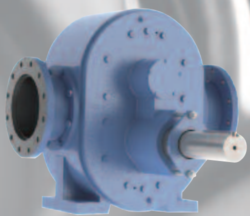
- 3 sizes of pump
- Up to 480 m3/h
- 6-8 bar depending on version

PUMP MB

- 2 sizes of pump
- Up to 3000 l/h
- Pressure 16 bar

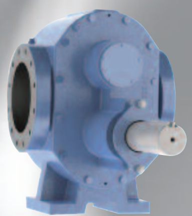
B-BODY

- 2 Available in 9 pump sizes
- Pressure test 20 bar



K-BODY

- 2 Available in 4 pump sizes
- Pressure test 20 bar



HEATING DEVICE

BROQUET pumps can be delivered with a heating device (B-body) ensuring the retention of the temperature of the liquid.

STANDARD HEATING JACKET

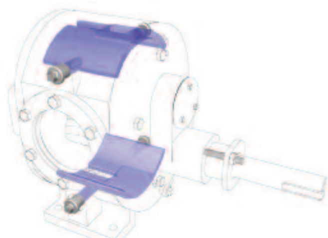
The pump body is produced with a fully integrated jacket ensuring an even distribution of heat. This design allows a energy saving and ensures the retention of the temperature in the pump.

Features

- Steam up to 130 °C
- Heating liquid up to 3 bar
- Compatible with an electric heating device.
- Suitable with all kind of sealing

HEATING TYPE RI

Derivative from the standard jacket, the RI-type jacket is fully separated from the liquid area.



Features

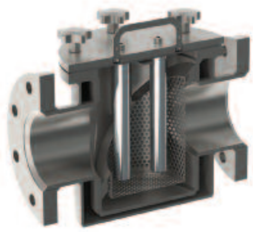
- Steam up to 250 °C
- Heating liquid up to 6 bar
- Compatible with B and F rotors
- Other temperature and pressure on request

ADAPT EVEN MORE OF YOUR PUMPS TO YOUR PROCESS

PROTECTION OF THE PUMP

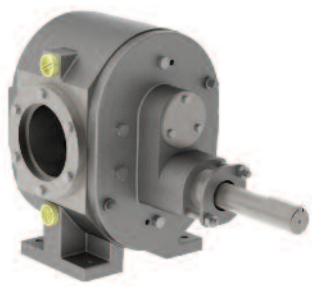
- Integrated safety valve (by-pass)
- Safety valve on the pipe
- Torque limiter
- Various sensors (pressure, liquid presence, etc …)

PROTECTION OF THE PROCESS



Installed on the suction side of the pump, BROQUET filters ensure an efficient protection without significant pressure drop in a large range of viscosity.

- BROQUET strainer for viscous liquids
- Filters with magnetic bars to catch ferrous contaminants in the liquid.



MATERIALS

Body and caps

- Cast iron
- Cast iron GGG
- Carbon steel cast or processed)
- Stainless steel (304/306/Uranus/etc …)
- Chemical coating (Nickel/Halard/etc …)

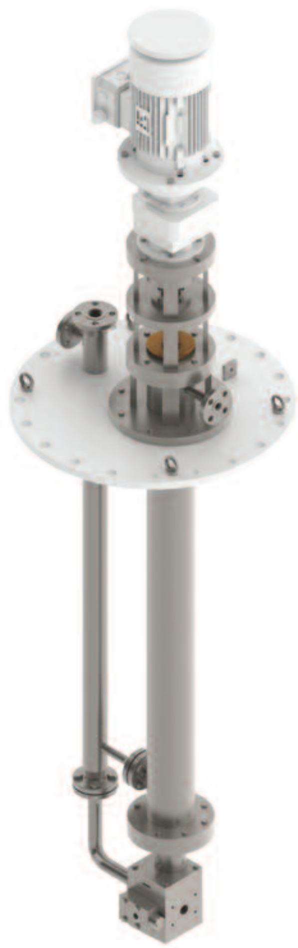
Sleeves & bearings

- Special carbon steel
- Carbon and derivatives
- Carbide and derivatives
- Plastics (PEEK/Teflon/etc …)
- Chemical coating (Chrome/Oxide/etc …)

CUSTOMIZED DEVELOPMENTS

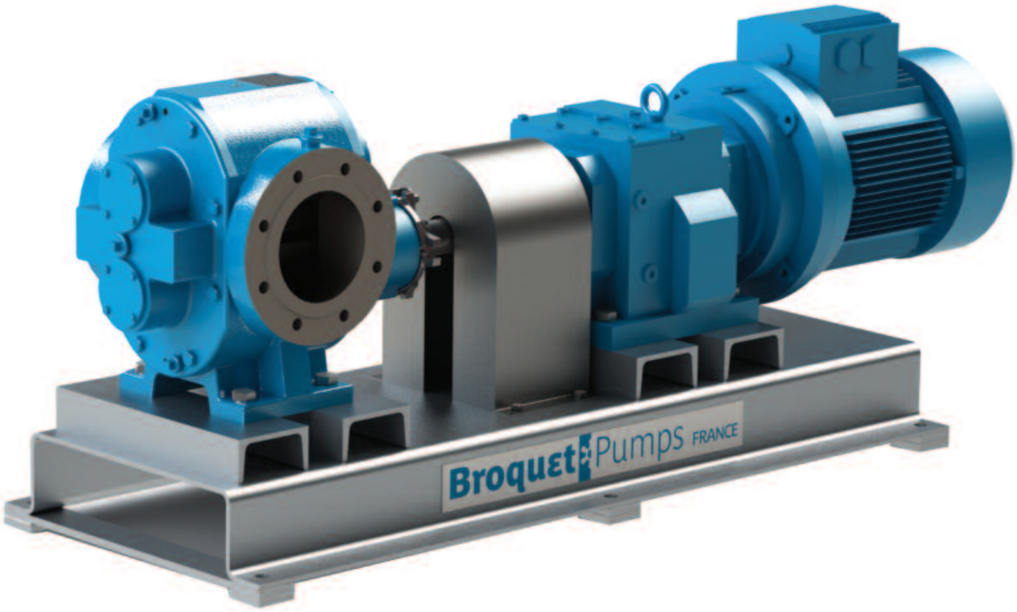
Fulfill your requirement

- Technical developments based on customers' specification



OPTIONS

- Kanigen (Nickel coating)
- Independent heating jacket
- Electric heating
- Mechanical sealing on shaft
- Magnetic drive



- A technical solution that is operational in more than 60 countries
- A network of partners, distributors and agents throughout the world

Broquet Pumps

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