

Fristam rotary lobe pumps FL/FL2/FL3

The series' specific hydraulics reduce shearing and ensure especially gentle product handling under discharge pressures of up to 12 bar. Hygienic, robust, easy to maintain, durable, economical. While being extremely compact, Fristam series FL pumps are fully suitable for CIP and SIP.

GREAT VARIETY

The wide range of Fristam's FL series enables you to choose the optimum type for your points of operation, specifically tailored to the characteristics of your products, processes and systems.

All models offer a wide array of optional features, from heating or cooling jackets to relief devices in the covers.

SPECIAL CHARACTERISTICS OF THE FL3

Fristam's FL3 pumps feature unique helix-shaped tri-wing rotary lobes. They ensure an almost perfectly steady product stream, with exceptionally gentle treatment of your medium.

The FL3 is designed for both product handling and cleaning of the system (CIP).

SPECIFIC CONSTRUCTION

All of the FL series' pumps have a state-of-the-art system of low-slip lobes rotating free of contact in opposite directions, thus ensuring high efficiency even with low viscosities or at high temperatures.

The FL's symmetric design allows for a reversal of the rotating direction, enabling the pump to transport materials in both directions.

Models 50-130 are designed for pumping horizontally as well as vertically, and allow for top, bottom or side mount. Various types of connection, such as flange, clamp or thread, can be chosen freely. Along with the pumps' bi-directional rotation, this ensures complete flexibility of installation.

Because of their well-thought-out construction principle, Fristam FL pumps are extremely easy to maintain.

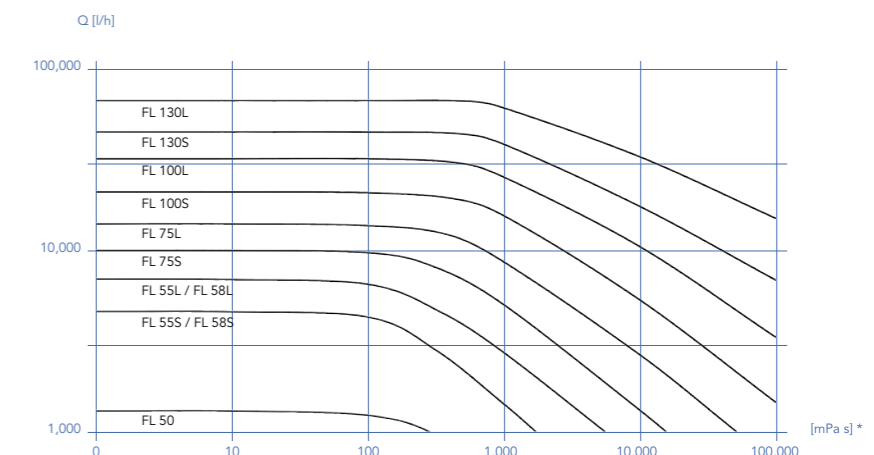


TECHNICAL DETAILS

- 11 different sizes
- Discharge pressures up to 12 bar
- Flow rates up to 70 m³/h
- Viscosities up to 100,000 mPa s



Rotary lobes from the Fristam FL3 (upper right) and the FL2 (lower left)



Characteristic curves of the Fristam series FL *) Viscosity