FILOX®
Filtertechnik GmbH

Hydro diaphragm pump | HMP 015 – 060

The tried-and-trusted design of the hydro diaphragm pump makes it sturdy, easy to maintain and energy-saving.

Our hydro diaphragm pumps have been optimised for the requirements of feeding filter presses.

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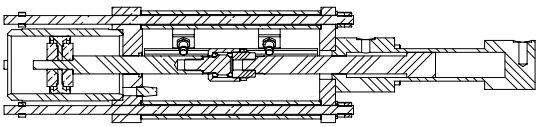

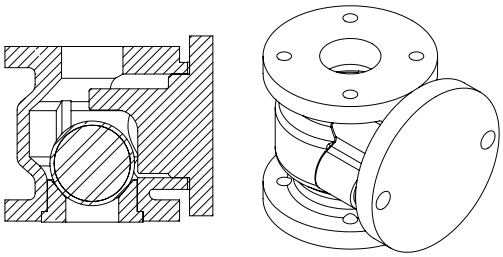

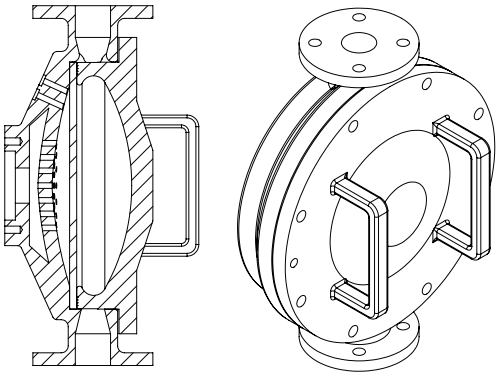

FILOX® – customised solutions tailor-made to your requirements

The drive cylinder, which is connected to the piston of the drive cylinder by its piston rod, is driven alternately by the hydraulic pump. The suction or pressure stroke takes place in the operating cylinder through the backward or forward movement of the drive cylinder. Through the operating fluid the suction and pressure stroke have an even effect on the pump diaphragms and thus result in a suction and pressure effect in the pump chamber.
The vacuum resulting from the suction stroke opens the suction valve. At the same time, the pressure valve is closed. During the pressure stroke, the medium suctioned in closes the suction valve and is displaced through the pressure valve by the pump diaphragms.
With double-effect hydro diaphragm pumps the pressure and suction stroke take place alternately on diaphragms 1 or 2 in such a way that results in a practically even delivery rate.
When the maximum operating pressure set is reached, the motor switches off and then back on again when the system pressure has fallen to the set value. In order to protect the pump diaphragms, the suction and pressure stroke in the final positions are delayed so that impact load is avoided on the diaphragms. For pumps with higher flow, the Oil quantity reduced according to the absorption capacity of the filter press.

- High operating safety and low wear through hydraulic drive and operating systems
- Designed for slurry and viscous materials with high pumping pressures.
- Standard operating pressure up to max. 16bar with stabilisation
- Good suction properties even with viscous and highly viscous media.
- Few wear parts, these can be replaced easily.
- Easy to service pump vales with easily accessible cleaning openings and exchangeable valve seats made of wear-resistant plastic or other materials.
- Economical thanks to use of modular principle.s.

Design sizes 1,5 bis 6m³/h

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