

HILLER DecaPress



EFFICIENT AND RELIABLE

The DecaPress is a robust decanter centrifuge from HILLER, available in both classic 2-phase and 3-phase versions. It reliably and continuously separates solids and liquids under high centrifugal force.

Thanks to its high dewatering performance and operational reliability, the DecaPress sets the standard for cost-effective sludge dewatering, particularly in municipal and industrial wastewater treatment plants. A maximum dewatering rate significantly reduces disposal costs, contributing to efficient plant operation.

The DecaPress series combines top-tier process performance with ease of operation and stability, even under dynamic operating conditions.

ADVANTAGES

- Highest dewatering, best separation results
- Minimal residual moisture and high dry solids for lower disposal costs or higher product purity
- Proven wear protection for long service life
- Compact design with minimal footprint
- Reduced environmental impact through efficient separation technology



IMPLEMENTATION OF CUSTOMER REQUIREMENTS

A high technical level has been reached through many innovations and improvements. Therefore HILLER uses a group of professionals whose opinion is the most important: our customers.

In this regard HILLER assesses all inputs from customers, independent of whether in direct dialogue or in the form of a service report from the HILLER technicians. All this data is brought together starting from the market launch of the first DecaPress, and the information has been used for the ongoing further development.

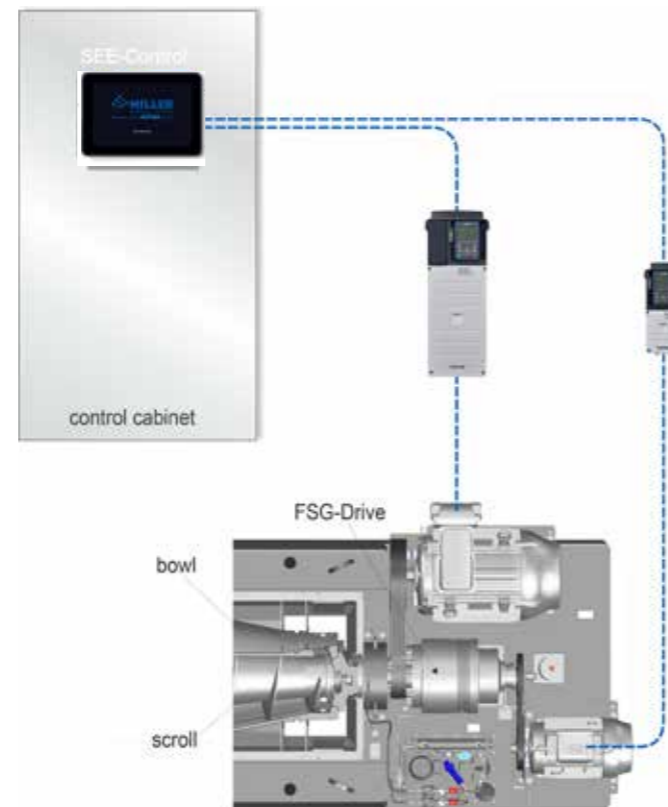


DRIVE SYSTEM FSG DRIVE

The function of our screw drive by means of the HILLER FSG Drive is based on a high bowl speed with independently regulated differential speed.

The rotational speed of the screw will only affect the drive shaft of the selected gear.

- Independent, automatic adjustment of the differential speed
- Simple change of the screw rotating direction
- Excellent synchronism properties at highest torques and low differential speed
- Usage in ex area possible by using ex protected motors
- Real analogue control i.e. actual value/ set point comparison via SEE-Control pro which ensures a very stable, sensitive control even for extreme application cases
- Visualisation of all process data and their temporal history by the SEE-Control pro



ADVANTAGES

- Highest degree of dewatering: highly available torque creates the basis for the highest degree of dewatering
- Highest operation stability: our flat cone design as basis for the highest operational stability with various feed pumps
- Highest demands on after sales activities: personally appointed service technicians with many years of practical experience ensure your continued satisfaction
- More overall responsibility: As a manufacturer of turnkey complete systems we are a reliable and competent partner for your complete dewatering system

The HILLER DecaPress is practical through and through, delivering decanter engineering and real-world applicability at the highest level.

HILLER SEE-CONTROL PRO

The HILLER DecaPress is controlled by the HILLER SEE-Control pro. This control device has been developed by HILLER and is characterised by the following attributes:

- Highest quality, manufactured in Switzerland according to HILLER specifications
- Ultra fast colour touch panel, extremely colour- and contrast-intensive
- Automatic adjustable torque dependent control of the differential speed
- Analysing and controlling all peripheral instruments and equipment on the decanter, e.g. bearing temperature measurement and lubricant pump
- Communication via potential-free signals or Profibus DP



HILLER CENTRATE MONITORING

In order to continually control the centrate quality to maintain a constant level of filtration efficiency, HILLER offers a new procedure to optically monitor the centrate. This ensures that our customers achieve optimal processing safety.

- Continual and fully automatic monitoring
- Constantly high separation efficiency
- Additional inclusion in standard HILLER decanter
- Quick and simple installation
- Intervention in the event of poor centrate quality
- Controlled shutdown in case of continuously poor centrate



The HILLER DecaPress, FSG-Drive and SEE-Control pro define the benchmark for efficiency, reliability, and ease of maintenance related to decanter construction.

Together with our customers, we are happy to develop a tailor-made complete solution, whether as a stationary installation, in a container or mobile.

We would be pleased to provide the proof of performance.