

## DECANTER CENTRIFUGES & PLANTS FOR SOLID/LIQUID SEPARATION



### HILLER DecaPress - EFFICIENT & RELIABLE

Since its invention the solid bowl centrifuge has proved itself to be an efficient and reliable technology in many market sectors of the solid-liquid separation. Rapidly rising costs for waste disposal are dominating the decision making processes, requiring an accurate economic assessment of the costs of achieving the best possible dewatering degree.

A typical example is the separation of solids from sludge in municipal and industrial wastewater plants. In these, the amount

of residual moisture in the solids decides the disposal costs and these constitute a major part of the total operation costs of a wastewater treatment plant. This requirement, **highest achievable mechanical dewatering and highest separation efficiency in the centrate** is the HILLER credo regarding the continuing development of the HILLER DecaPress range.

Practical performance comparisons with our competitors confirm our focus. The

HILLER DecaPress proves its outstanding performance in a practical way through its simple operation, stability, and the best quality of solid-liquid separation.

**The HILLER DecaPress is therefore an example of the highest technical capability and operational stability, without compromise even under dynamic operating conditions.**

## 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.

That's why the HILLER DecaPress is pure practice! It offers decanter construction at the highest level and is aimed **at those who want more:**

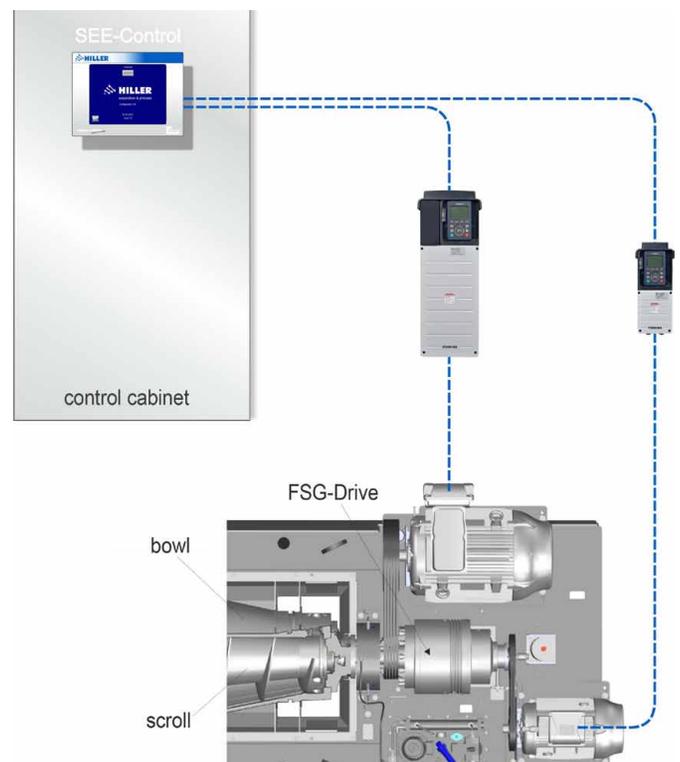
- **highest degree of dewatering**  
highly available torque creates the basis for the highest degree of dewatering
- **highest operation stability**  
our flat cone design as basis for the highest operational stability with various feed pumps
- highest demands on after sales activities  
personally 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

## 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 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



## HILLER SEE-CONTROL

The new HILLER DecaPress is controlled by the HILLER SEE-Control. 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



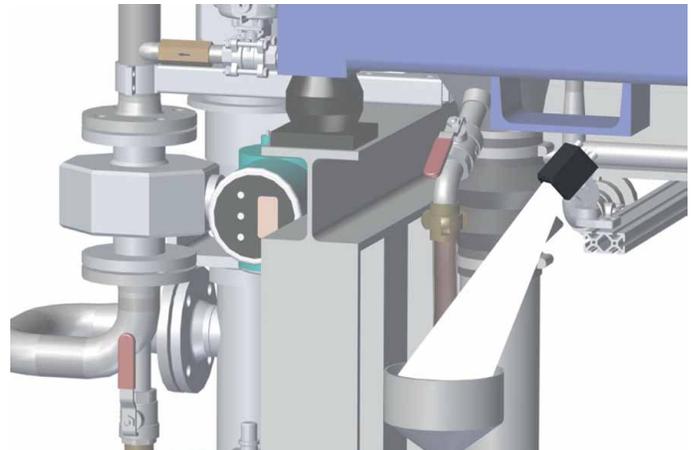
The HILLER DecaPress, FSG-Drive and SEE-Control define the benchmark for efficiency, reliability, and ease of maintenance related to decanter construction.

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.

## 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.



### ADVANTAGES:

- 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



HILLER GmbH  
Schwalbenholzstraße 2  
84137 Vilsbiburg

Tel +49 8741 48-0  
Fax +49 8741 48-139

info@hillerzentri.de  
www.hillerzentri.de

## APPLICATIONS OF THE HILLER DECANTER TECHNOLOGY

Oil, Gas & Energy Industries



Chemistry-, Process- & Pharma Industries



Food- & Beverages



Environment & Wastewater



Mining, Tunneling & Drilling Fluids

