

DECANTER CENTRIFUGES & PLANTS FOR SOLID/LIQUID SEPARATION



HILLER SEE CONTROL PRO ELECTRONIC CONTROL SYSTEM

The development of the SEE-Control pro enables the best process results as well as optimum energy consumption of the HILLER decanter.

The SEE-Control pro also focuses on fast and reliable monitoring of the electrical instruments. The touch-based user interface is intuitive to operate and, thanks to the light/dark switching option, easy to read even in different lighting conditions. The newly visualised user interface convinces with a fresh and simple design

and was awarded the German Design Award 2021. The SEE-Control pro can be individually adapted to different user profiles of customers. It thus enables better communication between human and machine.

Simple connection to remote maintenance possible

Communication to the plant PLC is currently by Profinet. The SEE-Control pro can also be easily connected to a remote maintenance module. Remote maintenance

offers several advantages to the customer and quickly pay for themselves. On the one hand, they ensure the highest possible operational safety and can be a great help in finding any errors that may occur. The short response times of the HILLER service team can save time and money. Furthermore remote monitoring can be done with the remote module. HILLER developed its own platform on which the operating data is displayed and stored for weeks.



TECHNICAL DETAILS:

- 10"- ProCap touch display
- I-/O- module adapted to HILLER requirements
- automatic identification of the drive system via coding
- control of the complete centrifuge, that means incl. all electrical sensors, eg (bearing temperatures, vibration monitors, over speed protection, flushing valve, cooling valve)
- control of the bowl- and scroll-frequency converters Toshiba VF-AS3 or of the hydraulic power unit
- control of the proportional valve with analogue aggregate
- individually programmable torque dependent control mode in four parameter sets
- permanent indication of all important operating data including: bowl speed, differential speed, scroll load, temperatures, vibrations
- two programmable limit values for the scroll load
- trend analysis with storage option for SSD extension
- alarm buffer
- special coating of the circuit boards for maximum protection against corrosion
- playback of utility films

ADVANTAGES:

- intuitively operable
- I-/O-module as circuit board technology
- reduced internal wiring
- less susceptible to high temperatures
- 4-20 mA signals for analogue inputs and outputs
- standard Ethernet cable for connection between display and module
- standard device and Profinet device in one
- clear interfaces to centrifuge plant
- remote maintenance possible
- free selection of the superior plant PLC (Siemens, Allan Bradley, etc.)
- display can be operated with gloves
- display is made of scratch-resistant safety glass
- one hardware for all drive systems
- processing speeds 5 times faster than a conventional display
- light/dark switching option

