

DECANTER CENTRIFUGES & PLANTS FOR SOLID/LIQUID SEPARATION



HILLER Centrate Control - CENTRATE MONITORING WITH OBJECT SENSOR

NEW PROCESS

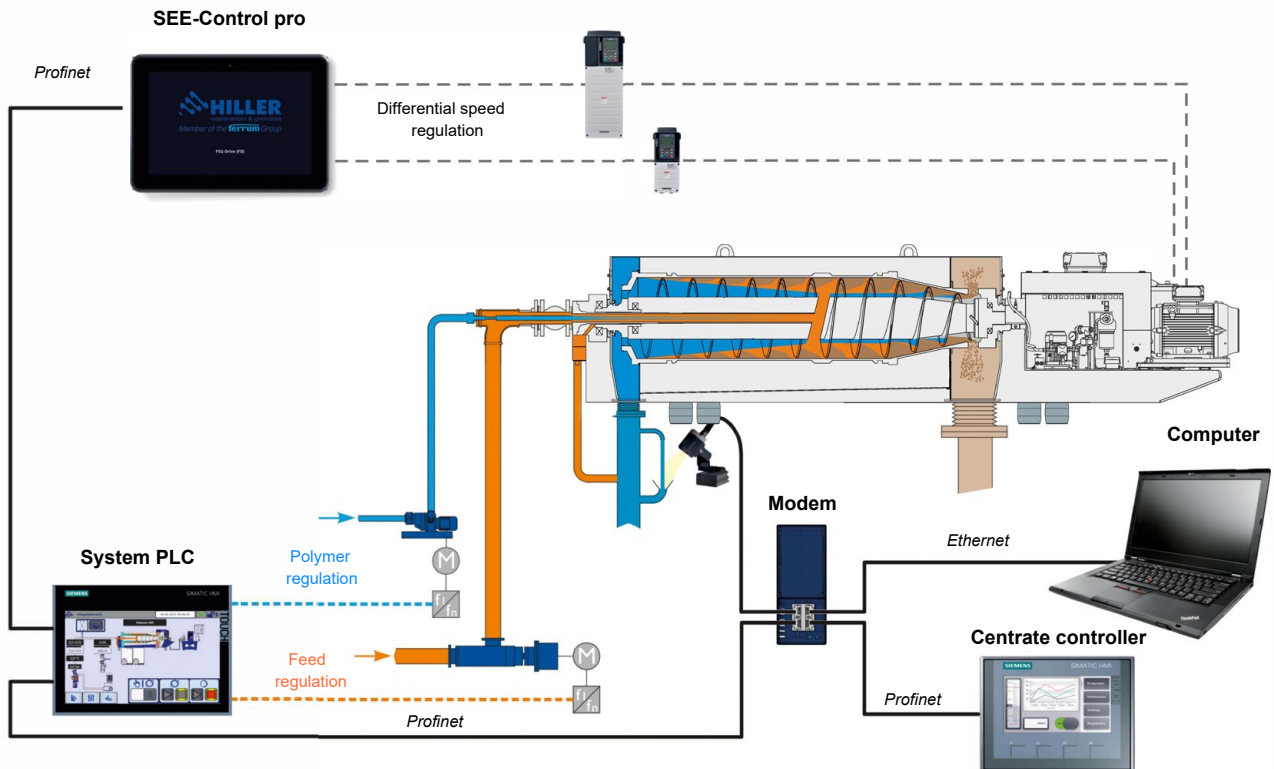
To check the centrate quality for a consistently high degree of separation, HILLER GmbH offers a new and patented process for monitoring the centrate: the HILLER Centrate Control. This means we offer our customers optimum procedural reliability.

BENEFITS

- consistently high separating efficiency
- automatic monitoring
- can be used in almost all applications
- problem-free integration into current HILLER decanters
- quick and simple installation
- warning for poor centrate quality



SCHEMATIC DIAGRAM OF A HILLER DECANTER WITH OBJECT SENSOR



PROCESS DESCRIPTION

The centrate is monitored using an object sensor. The object sensor uses software to determine the discolouration of the centrate. This level of discolouration is then passed on from the HCC to the plant PLC via Profinet/Ethernet. With poor centrate quality, the system PLC issues a warning message of shuts down the feed. Depending on the discolouration, the differential speed, the polymer quantity or the feed quantity can be changed via a specially developed PLC module in the HCC. This control optimises the polymer consumption and avoids unnecessary overdoses.

The system can be easily and effortlessly integrated into all standard HILLER decanters. Thus, the HCC ensures the highest process reliability as well as considerable cost reduction due to optimised polymer consumption.

