

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.

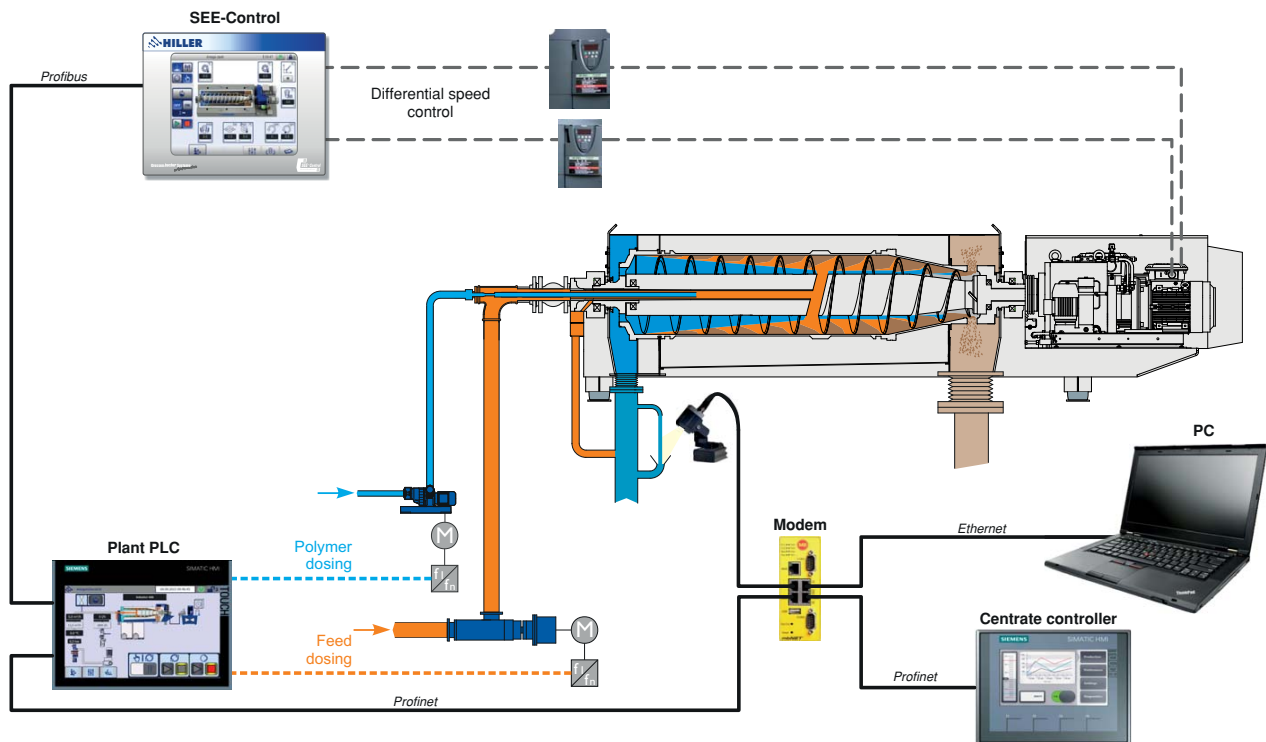
This means we offer our customers optimum procedural reliability.

BENEFITS

- Consistently high separating efficiency
- Automatic monitoring
- Can be used in virtually all applications
- Problem-free integration into current HILLER decanters
- Quick and simple installation
- Warning of 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 discoloration of the centrate. This level of discoloration is passed to the system PLC via Profinet/Ethernet. With poor centrate quality, the system PLC issues a warning message or shuts down the feed. The differential speed, polymer volume or feed volume is changed via a specially developed PLC module depending on the discoloration. This control optimises the polymer consumption and avoids unnecessary overdoses.

The system is simple and can be integrated into all current HILLER decanter systems with minimal effort. This means that the HILLER centrate monitoring system ensures process reliability as well as considerable cost reduction by the optimised polymer consumption.

