

Application - Separator Control

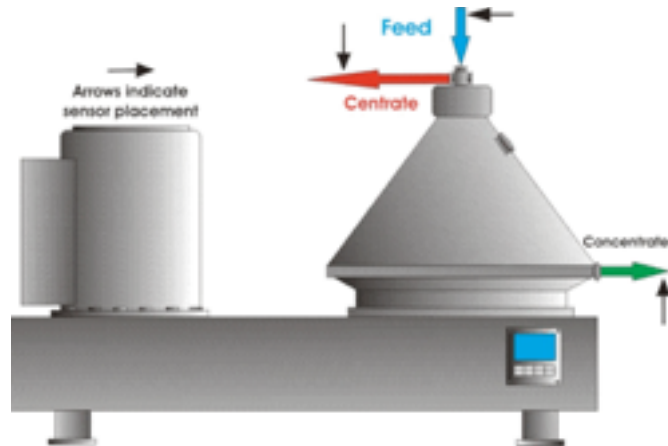
Increase Yields / Control your Efficiencies / Control your Risk / Save Money

Product – Quadbeam Technologies Hygienic Suspended Solids Sensor.

The performance and control of separators can be improved by the installation of Quadbeam Sensors.

Positioning sensors at in-feed, centrate and concentrate lines will help optimise the separator performance

Separator in-feeds can vary. Unexpected high solids loading can lead to nozzle blockage leading to product variation, downtime and operator intervention. Quadbeam sensors can be used to detect high loadings that can then be diverted away from the Separator.



A common position of a Solids Sensor is on the **Centrate** line, helping with separator control ensuring performance optimisation and identifying any higher than desired solids concentration.

A high concentration solids sensor, in the **Concentrate Line** can be calibrated against the plant lab and optimised around the concentration target providing accurate and immediate information of what is happening inline. By feeding the sensor output data into a controller separator feed rates can be optimised.

Accurate, Reliable Control

The use of four beam technology means the Quadbeam sensors self compensate as product builds on the sensor surface or as the sensor components age, it will not drift like single beam non-compensated sensors. Therefore the accuracy and reliability of the Quadbeam Sensor signal is maintained which is why it is successful as a process control tool and not just a process indicator.

Range of Sensors

Choose between the S10, S20, S40 or T30 sensor for best performance. These sensors will all operate with either a MXD73 or MXD75 transmitter.

S40-3HY



Installation

Either install directly into a minimum 3" line or into 3" expansion spool using a 3" triclover fitting.

Returns

Increased yields, reduced waste and improved product quality.