



Flow Conditioners, Flow Straighteners for Flow Meter, Process and Pump Systems

The Vortab Company manufactures a range of flow conditioners and flow straighteners for flow meter, process and pump system applications. Most flow meter technologies require significant and often unattainable upstream and downstream straight-run to meet and sustain specified accuracy. Similarly, most pump and compressor manufacturers recommend significant straight-run to ensure even flow into the pump to minimize wear and maximize service life. Vortab flow conditioners reduce straight-run requirements to just a few diameters. Vortab flow conditioners eliminate the flow distortion effects of elbows, pipe expansion or reductions, valves, dampeners and other disrupters to produce a swirl-free, symmetrical and repeatable flow profile to the flow meter, pump, or other critical components. Further, Vortab flow conditioners have extremely low pressure drop, resulting in significant energy cost savings over alternative flow conditioning technologies. The Vortab flow conditioners can be ideally utilised in retrofit installations in a variety of industries.

[More info...](#)

Biotech applications by optek: Centrifuge Control



Centrifuge Control

Installation of optek sensors at the inlet and at the outlet of a centrifuge greatly improves separation performance, reduces losses and improves product consistency.

Feed / Inlet

The feed often has high variable solids loading. Separation efficiency can be greatly improved by installing an optek AF16-N or AS16-N prior to the separator. The separator feed rate can then be optimized based on real-time solids concentration measurements. Flow may be adjusted to meet system requirements for optimized performance and prevent

overloading or clogging of the separator.

Outlet (Discharge)

The separator outlet (discharge) is the most common point of installation for process photometers. Monitoring at this point can help to maximize the efficiency of the system. Some systems control discharge based on time parameters set from the previous run, which is only valid with an average constant feed load.

A more efficient approach is to control the discharge based on need, which can be monitored by an optek inline sensor. Using an optek turbidity sensor to control the discharge by need, the number of discharge cycles can be reduced significantly. This increases yield, ensures consistency downstream, reduces mechanical wear, and helps avoid "blinding" of downstream filters. Typically for cell culture processing, an optek TF16-N scattered light sensor is installed to ensure immediate detection of lowest concentrations. An optek AF16-N absorption sensor is commonly used for higher density fermentation processing.

Solids Discharge

When measuring the absorption in the solids discharge stream of the separator, an optek sensor equipped with a small optical path length will accurately correlate absorption measurements directly to weight-percent. This enables accurate yield measurement and control of product quality.

[More info...](#)

SPECIAL OFFER



Vortab Flow Conditioners

10% Additional discounts offered on the range of Vortab Flow Conditioners. Valid for order placement from June 1 till June 30. Available to customers within our sales territory.

Check It Now!

ecom-D Hand-held Flue Gas Analyser for Industrial Applications

ecom[®]

- Hand-held instrument with gas cooler option
- For perfect NOx/SO2 measurements
- Up to 6 sensor options (Longlife sensors)
- Direct measurement of CO2 via IR sensor possible
- Measurement of hydrocarbons via IR sensor possible
- CO sensor overload protection without measurement interruption
- Electronic condensation monitoring
- Backlit display and keypad
- Powerful magnets at the housing back
- Aluminium housing (ultra-light)
- With O2/CO (H2 comp.)/NO/ NO2 Longlife sensors (more than 4 years lifespan under normal load)



- Automatic CO switch-off and fresh air purge (without measurement interruption)
- Condensate trap resp. gas cooler incl. electronic condense monitoring (depending on selected variant)
- With high-value sampling probe incl. thermocouple, fixation cone and high value sampling tube
- T-Room probe/T-Room stick (according to users' request or types)
- Calibration certificate - generated after 100% sensor calibration in climatic chamber
- Free downloadable PC Software

[More info...](#)



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ECD Industrial Liquid Analytical Sensors

Measure pH, ORP, Conductivity, Resistivity, Dissolved Oxygen & Selective Ions ... more

S80 Sensors - the ECD Advantage

- Intelligent Sensor: Stores Identity and Calibration Information
- Replaceable Electrode Cartridges: Application Specific Solution
- Replaceable Electrode Cartridges: Low cost of Ownership
- Insertion/Submersion with adjustable gland fittings and Valve Retractable Designs
- Wide Variety of Materials of Construction

[More info...](#)



AMS News

Welcome to the AMS May newsletter. Above a picture of the recently held Kalgoorlie exhibition.

After the recent internal promotions at AMS we are happy to announce the appointment of Paul Ridden to the position of internal sales engineer. We look forward to a long and rewarding career for Paul at AMS. We are currently also looking for an external sales engineer.

May has been an extraordinary month for AMS with several major project orders received for Beames and several other product lines, showing the confidence that customers have in our product range and sales staff.

AMS Instrumentation & Calibration Pty Ltd

U 20 / 51 Kalman Drive
Boronia, Victoria , 3155
Australia

<http://www.ams-ic.com.au/>

<mailto:sales@ams-ic.com.au>

[AMS-IC Website](#)

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