Data Sheet

J. M. CANTY INFLOW™

Oil In Water Analysis



Supplied by

247cble.com



PROCESS TECHNOLOGY

INFLOW™ - OIL IN WATER ANALYSIS



OIL IN WATER

The Canty InflowTM is an excellent tool for oil environments to determine concentration, particle size and count of oil droplets. The solids in the system can be analyzed as well by the InflowTM.

THE CANTY ADVANTAGE

The CANTY Inflow™ is a vision-based camera system used with the CANTY Vector System image processor for oil in water concentration and size measurement in a lab environment / at-line / in-line process. The CantyVision™ Software accurately measures multiple aspects of the OiW from oil / solids / gas independent of each other for accurate data. In comparison to a florescence monitor, which measures only oil and is affected by solids and gas in the stream, the CantyVision™ software can identify the differences and the customer visually verify the readings. The Inflow™ calibrated with the customers current lab method to make for easy instillation in the field. Determining PPM on the inlet and outlet of a seperator will help optomize the skid. By providing droplet size the produced water skid will now know exactly how to seperate the oil since the skids seperation methods are mostly based on size. Also, the chemical companies will know if the chemicals they are in ecting are aglomerating the oil, instead of having to wait to see if the skid is able to lower the PPM value. Video recording is an option for later analysis. In-line analysis make sure production samples are not skipped over due to lack of sample time available!

FEATURES

- PPM / PPB Values
- Particle Size Distribution Of Oil / Sand
- 10 ft/s Flow Velocity
- Real Time Analysis
- Easy To Use For Operators And Lab
- Mulitple Line Size Available
- Eliminate Errors Associated With Florescence
- Reduce Analysis Wait Time For Operators
- Particle Size .7 Microns And Greater
- Visual Verification
- Complete Skid Mount Design
- Data Can Be Stored With Images Or Video
- All Data Is Stored On Excel Or In A Database For Later Use And Easy Storage
- Settings Used For Each Sample Can Be Saved So System Setup Is Repeatable
- NOT AFFECTED BY GAS OR SOLIDS

APPLICATIONS

- Produced Water
- Effluent Water
- Waterflood / Water for In ection
- Seperators / Hydrocyclones / Filters
- Lab / At-Line / In-Line
- Replaces Existing Florescence Units
- Oil Gas / Chemical
- Many, many more!

BENEFITS

- Variable Size avaiable From 1/2" 10" not ust 1/8" Slip Stream That Plugs
- Reading Independent Of Gas Solids
- Record Video For Later Analysis
- Optional Save Video Images If Needed
- Gallons per Minute Flow Rates

SPECIFICATIONS

- Power: 120 VAC / 60 Hz (230 VAC / 50 Hz)
- Ethernet Camera Resolution

ANALYSIS WITH CANTYVISION

- CantyVision[™] System Can Measure And Control Your Process Parameters
- Inflow[™] Systems Use A live Video Data
- CantyVision™ Can Perform Concentration / Particle Size / Count Functions
- Microsoft Windows Based Operating System
- Ethernet OPC or 4-20 mA Devices

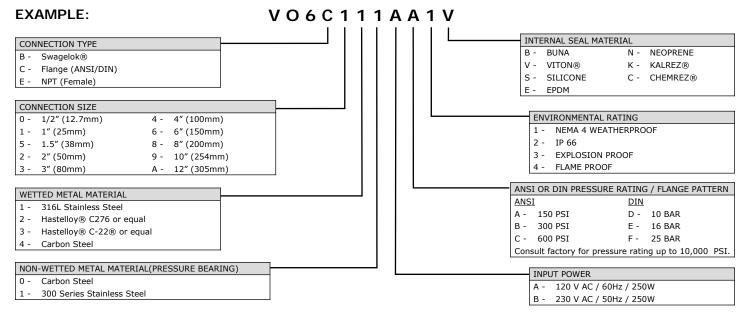
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MOUNTING CONNECTIONS FLANGE CONNECTION **SWAGELOK® CONNECTION TYPICAL PACKAGE** Canty LED- Provides optimal backlighting with variable 0-1/2" **Process Connection** [12.7mm] measurement gap Ethernet Vision System for product measurement **Ethernet Network** Connectivity 1. Camera and Light PSUs are not shown but must be located within 100 feet of the unit. The Camera Power Supply enclosure has the same environmental rating as the system. 2. CantyVisionClientTM Software is included but the customer provides the PC which is not included with the system. Reference Document TA10592-1 for computer requirements. **Ordering Information**

HOW TO ORDER: Select the appropriate symbols and build a part number :



www.jmcantv.com

Buffalo, NY USA Ph: (716) 625 4227 Dublin, Ireland Ph: + 353 (01) 882 9621 Phuket, Thailand Ph: + 66 (83) 968 9548

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J. M. CANTY INFLOW™

Particle Sizing System



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CANTY

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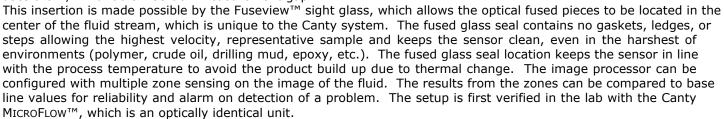
InFlow™ PARTICLE ANALYZER

Combining the latest in Ethernet technology with Canty fused glass, lighting and CantyVisionClient software, the InFlow Process Particle Analyzer provides real time particle size and shape analysis. Various models measure 0.7 micron - 20,000 micron particles under process conditions.

No sampling or lab analysis is required! Each unit can be fully integrated into existing TCP/IP networks. Some systems may require a side stream to control flow rates.

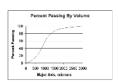
CANTYVISIONCLIENT™ software is installed on a user-supplied PC, and connected to the INFLOW™ measurement system via Gigabit Ethernet network. Live images of the process can be viewed from any networked PC. The live images are remotely analyzed by CANTYVISIONCLIENT™ software. A comprehensive library of standard utilities and data functions provide a multitude of *real-time* process information.

The CANTY INFLOW™ Fluid Particle Sizing System uses a 0-1/2″ variable insertion measurement gap.



FEATURES

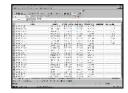
- 0.7 micron 20,000 micron Particle Size Options. See Part Number.
- Gigabit Ethernet Connectivity
- Real Time Monitoring Of Process In Flow
- Supplied With Internal O-ring Seals
- Easily Installed Modular Unit
- Fused Glass Process Barriers
- Regulated Light Source Emits Cold Light To Prevent Product Bake-On
- OPC, 4-20mA Current Loop, EXCEL spreadsheet and Relay Outputs Are Available

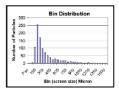




BENEFITS

- Provides Both A Real Time, In Flow Measurement and a Continuous Real Time View Of The Product
- Various Process Connection Sizes Available (Flanged, Tri-Clamp®, Compression Fitting, Tube or NPT)
- Fully Cleanable Unit
- High Throughput
- Available In NEMA4, IP66, Explosion Proof or Flame Proof Packages
- Digital Video Storage to Customer PC / DVD or Network Drive



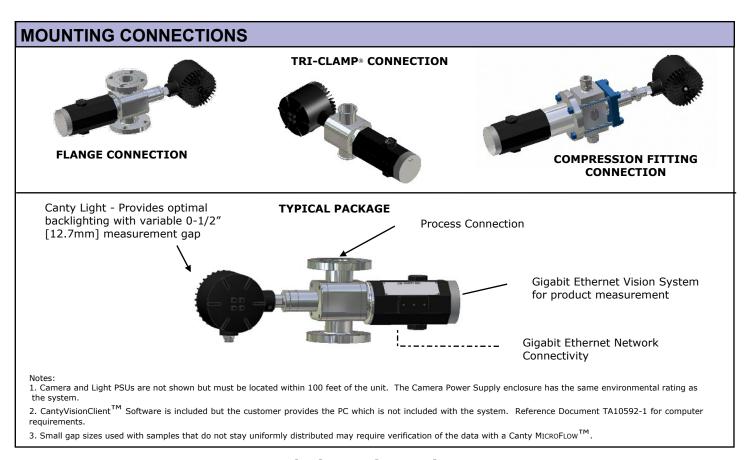


PARTICLE SIZE ANALYSIS

- Replaces and Correlates to Screen Analysis
- Distribution By Ma or, Minor Diameter
- Visually Verifiable Results Via Live Images
- Particle Area
- Histogram Distributions Bin Size
- Percent Passing by Volume vs. Size
- Particle Perimeter
- Full EXCEL datalogging
- Many Library Functions

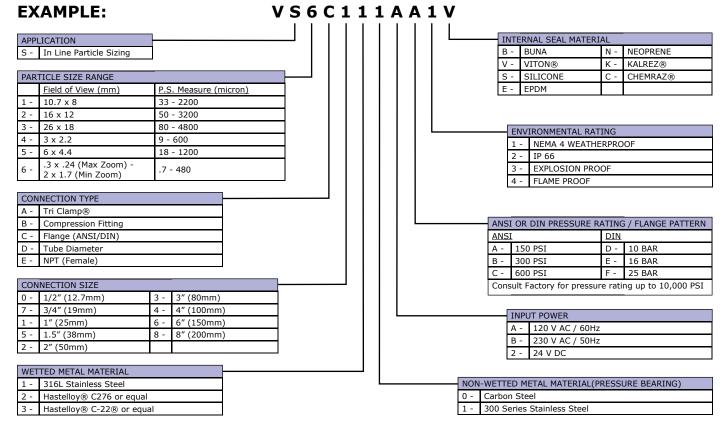


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J. M. CANTY INFLOW[™] TURBIDITY

COLOR ANALYSIS / PERCENT SOLIDS MEASUREMENT SYSTEMS



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PROCESS TECHNOLOGY

INFLOW™ TURBIDITY / COLOR ANALYSIS / PERCENT SOLIDS MEASUREMENT SYSTEMS

Combining the latest in CCD Ethernet camera technology with Canty fused glass, lighting and CantyVisionClient software, the InFlow Measurement System provides real time In Flow measurement of Turbidity, Color Analysis or Percent Solids, determined by the part number selected.

No sampling or lab analysis is required! Each unit can be fully integrated into existing TCP/IP networks. CantyVisionClient™ software is installed on a user-supplied PC, and connected to the InFlow™ measurement system via an Ethernet network. Images of the process can be viewed from any networked PC. The live images are remotely analyzed by CantyVisionClient™ software. A comprehensive library of standard utilities and data functions provide a multitude of real-time process information.



The CANTY InFLow™ Turbidity, Color Measurement or Percent Solids Measurement System uses a 0-1/2″ variable insertion measurement gap. This insertion is made possible by the Fuseview™ sight glass, which allows the optical fused pieces to be located in the center of the fluid stream, which is unique to the Canty system. The fused glass seal contains no gaskets, ledges, or steps allowing the highest velocity, representative sample and keeps the sensor clean, even in the harshest of environments (polymer, crude oil, drilling mud, epoxy, etc.). The fused glass seal location keeps the sensor in line with the process temperature to avoid product build up due to thermal change. The image processor can be configured with multiple zone sensing on the image of the fluid. The results from the zones can be compared to base line values for reliability and alarm on detection of a problem.

FEATURES

- Ethernet Connectivity
- Real Time Monitoring Of Process In Flow
- Solid One Piece Central Hub
- Supplied With Internal O-ring Seals
- Easily Installed Modular Unit
- Fused Glass Process Barriers
- Regulated Light Source Emits Cold Light To Prevent Product Bake-On
- OPC, 4-20mA Current Loop, EXCEL spreadsheet and Relay Outputs Are Available

ADVANTAGES

- Provides Both A Real Time, In Flow Measurement And A Continuous Real Time View Of The Product
- Various Process Connection Sizes Available (Flanged, Tri-Clamp®, compressing fitting, Tube or NPT)
- Fully Cleanable Unit
- High Throughput
- Available In NEMA4, IP66, Explosion Proof or Flame Proof Packages
- Digital Video Storage to Customer PC / DVD or Network Drive

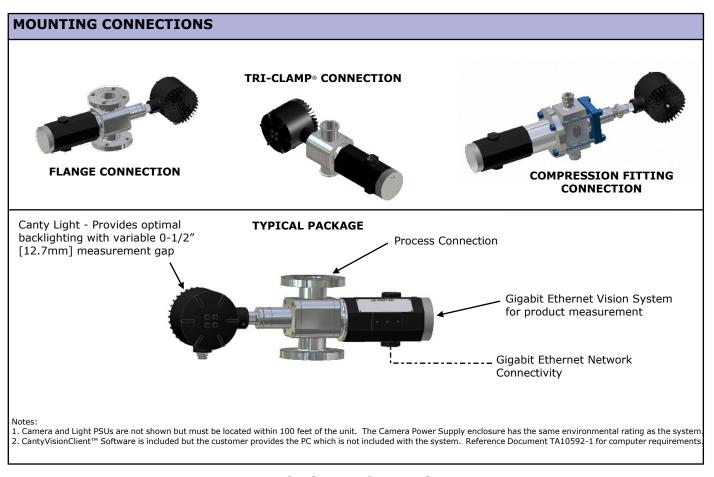
COMMON APPLICATIONS

- Oil in Water
- Turbidity
- Color/Opacity

- Waste Water
- Centrifuge Discharge
- Percent Solids
- Membrane Filtration
- Water In Oil
- Many, many more.

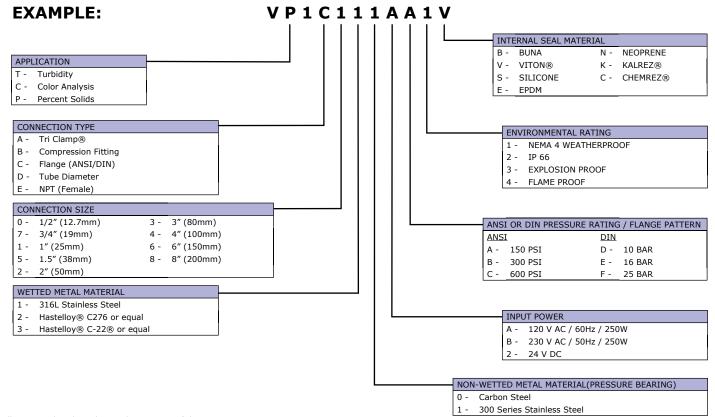


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