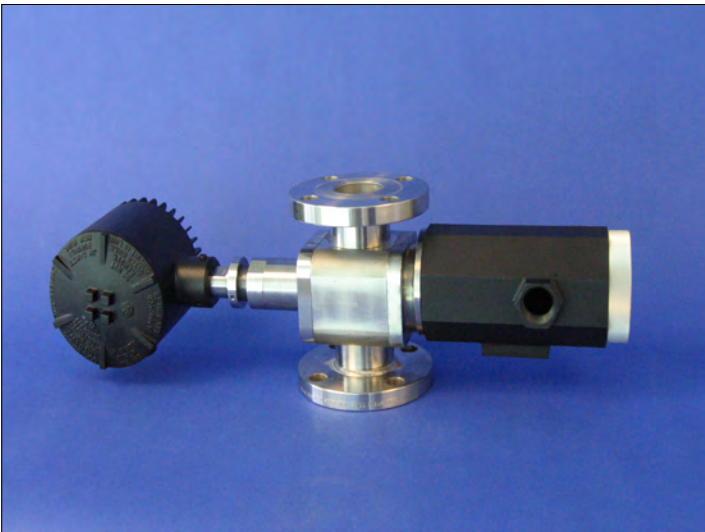


CANTY

PROCESS TECHNOLOGY

INFLOW™ - OIL IN WATER ANALYSIS



OIL IN WATER

The CANTY Inflow™ 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 Inflow™.

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 can visually verify the readings. The Inflow™ can be calibrated with the customer's current lab method to make for easy installation in the field. Determining PPM on the inlet and outlet of a separator will help optimize the skid. By providing droplet size the produced water skid will now know exactly how to separate the oil since the skid's separation methods are mostly based on size. Also, the chemical companies will know if the chemicals they are injecting are agglomerating 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 makes 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
- Multiple 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 Injection
- Separators / Hydrocyclones / Filters
- Lab / At-Line / In-Line
- Replaces Existing Florescence Units
- Oil & Gas / Chemical
- Many, many more!

BENEFITS

- Variable Size available From 1/2" - 10" not just 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

CANTY

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MOUNTING CONNECTIONS



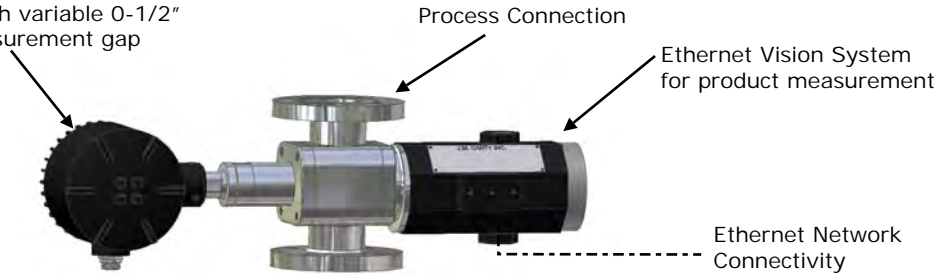
FLANGE CONNECTION



SWAGELOK® CONNECTION

TYPICAL PACKAGE

Canty LED- Provides optimal backlighting with variable 0-1/2" [12.7mm] measurement gap



Process Connection

Ethernet Vision System for product measurement

Ethernet Network Connectivity

Notes:
 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. CantyVisionClient™ 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 :

EXAMPLE:

V O 6 C 1 1 1 A A 1 V

CONNECTION TYPE B - Swagelok® C - Flange (ANSI/DIN) E - NPT (Female)	INTERNAL SEAL MATERIAL B - BUNA N - NEOPRENE V - VITON® K - KALREZ® S - SILICONE C - CHEMREZ® E - EPDM								
CONNECTION SIZE 0 - 1/2" (12.7mm) 4 - 4" (100mm) 1 - 1" (25mm) 6 - 6" (150mm) 5 - 1.5" (38mm) 8 - 8" (200mm) 2 - 2" (50mm) 9 - 10" (254mm) 3 - 3" (80mm) A - 12" (305mm)	ENVIRONMENTAL RATING 1 - NEMA 4 WEATHERPROOF 2 - IP 66 3 - EXPLOSION PROOF 4 - FLAME PROOF								
WETTED METAL MATERIAL 1 - 316L Stainless Steel 2 - Hastelloy® C276 or equal 3 - Hastelloy® C-22® or equal 4 - Carbon Steel	ANSI OR DIN PRESSURE RATING / FLANGE PATTERN <table border="1"> <thead> <tr> <th>ANSI</th> <th>DIN</th> </tr> </thead> <tbody> <tr> <td>A - 150 PSI</td> <td>D - 10 BAR</td> </tr> <tr> <td>B - 300 PSI</td> <td>E - 16 BAR</td> </tr> <tr> <td>C - 600 PSI</td> <td>F - 25 BAR</td> </tr> </tbody> </table> Consult factory for pressure rating up to 10,000 PSI.	ANSI	DIN	A - 150 PSI	D - 10 BAR	B - 300 PSI	E - 16 BAR	C - 600 PSI	F - 25 BAR
ANSI	DIN								
A - 150 PSI	D - 10 BAR								
B - 300 PSI	E - 16 BAR								
C - 600 PSI	F - 25 BAR								
NON-WETTED METAL MATERIAL (PRESSURE BEARING) 0 - Carbon Steel 1 - 300 Series Stainless Steel	INPUT POWER A - 120 V AC / 60Hz / 250W B - 230 V AC / 50Hz / 250W								