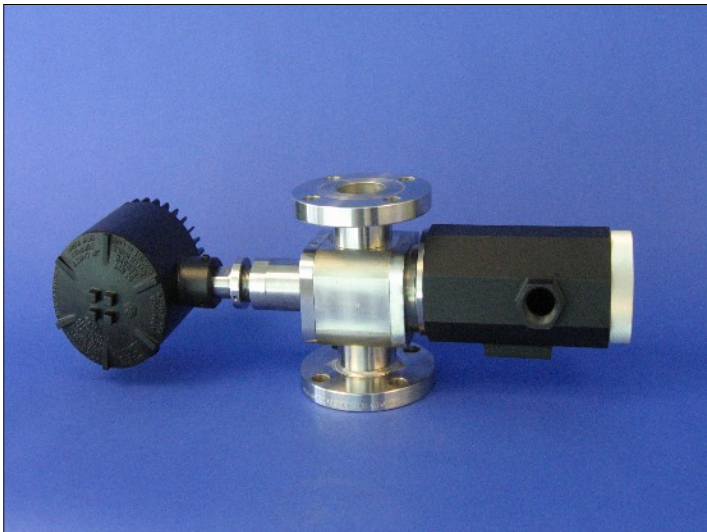


# CANTY

## PROCESS TECHNOLOGY

### INFLOW™ - HYDROCARBONS ANALYSIS



#### HYDROCARBON ANALYSIS

The CANTY Inflow™ is an excellent in-line tool to determine contamination in hydrocarbons. It does this by monitoring the particle size and count of water and solids.

#### THE CANTY ADVANTAGE

The CANTY Inflow™ is a vision-based camera system used with the CANTY Vector System image processor for water in hydrocarbons and particles in hydrocarbons in a lab environment / at-line / in-line process. The presence of these two physical contaminants is a problem for equipment the hydrocarbon is going into. The CantyVision™ Software accurately measures multiple aspects of the hydrocarbons from water / solids / gas independent of each other for accurate data. In comparison to a laser and capacitance, which measures only one dimension and can't identify the difference of water and solids in the stream. The CantyVision™ software can identify the differences. The customer can also visually verify the readings. Hydrocarbon contamination takes place mainly in production and transportation. CANTY objectively takes the measurement and reports based on a two dimensional image. Solids & water are all measured and continuously and objectively monitored. By knowing whether there is a water or solids problem this helps the operators identify how to fix the problem. The Inflow™ is an in-line analysis system to make sure production samples are not skipped over!

#### FEATURES

- PPM / PPB Values
- Particle Size Distribution Of Water / Solids
- 15 ft/s Flow Velocity
- Real Time Analysis
- Easy To Use For Operators And Lab
- Multiple Line Size Available
- Eliminate Errors Associated With Capacitance
- Eliminate Errors Associated With Laser
- 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
- **DIFFERENTIATES BETWEEN WATER AND SOLIDS**

#### APPLICATIONS

- Refinery
- Hydrocarbon Monitoring
- Jet Fuel Monitoring
- Color & Haze Monitoring
- Lab / At-Line / In-Line
- Replaces Existing Laser Units
- Replace Capacitance Meters
- Many, many more!

#### BENEFITS

- Variable Size available From 1/2" - 10"
- Independent Reading Of Water & Solids
- No Analysis Problem With Gas Bubbles
- 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

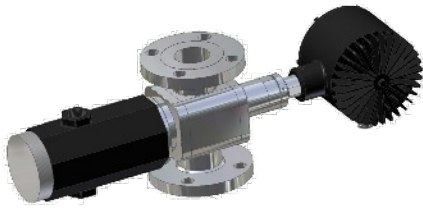
- CantyVision™ System Can Measure And Control Your Process Parameters
- Inflow™ Systems Use A live Video Data
- CantyVision™ Can Perform Concentration / Particle Size / Count Functions
- Microsoft Windows Based Operating System
- Ethernet OPC or 4-20 mA Devices

**CANTY** Buffalo, NY USA  
Ph: (716) 625 4227

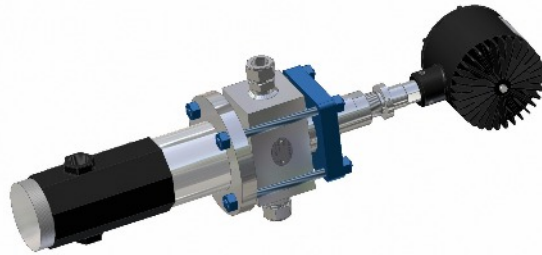
Dublin, Ireland  
Ph: + 353 (01) 882 9621

Phuket, Thailand  
Ph: + 66 (83) 968 9548

## MOUNTING CONNECTIONS



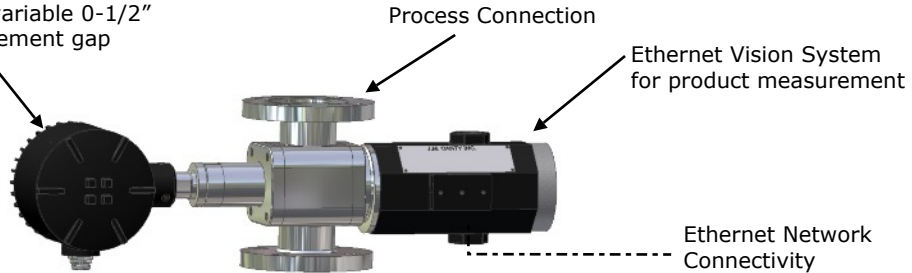
**FLANGE CONNECTION**



**SWAGELOK® CONNECTION**

### TYPICAL PACKAGE

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



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

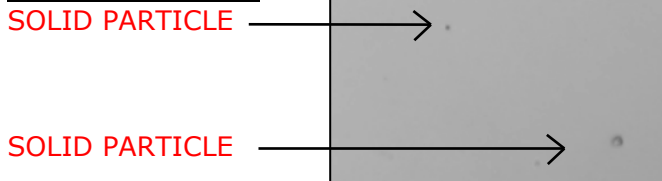
HOW TO ORDER: Select the appropriate symbols and build a part number :

**EXAMPLE:**

**V W 6 C 1 1 1 A A 1 V**

<b>CONNECTION TYPE</b> B - Swagelok® C - Flange (ANSI/DIN) E - NPT (Female)	<b>INTERNAL SEAL MATERIAL</b> B - BUNA                      N - NEOPRENE V - VITON®                  K - KALREZ® S - SILICONE                C - CHEMREZ® E - EPDM								
<b>CONNECTION SIZE</b> 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)	<b>ENVIRONMENTAL RATING</b> 1 - NEMA 4 WEATHERPROOF 2 - IP 66 3 - EXPLOSION PROOF 4 - FLAME PROOF								
<b>WETTED METAL MATERIAL</b> 1 - 316L Stainless Steel 2 - Hastelloy® C276 or equal 3 - Hastelloy® C-22® or equal 4 - Carbon Steel	<b>ANSI OR DIN PRESSURE RATING / FLANGE PATTERN</b> <table border="1"> <tr> <th>ANSI</th> <th>DIN</th> </tr> <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> </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								
<b>NON-WETTED METAL MATERIAL(PRESSURE BEARING)</b> 0 - Carbon Steel 1 - 300 Series Stainless Steel	<b>INPUT POWER</b> A - 120 V AC / 60Hz / 250W B - 230 V AC / 50Hz / 250W								

**SOLIDS IN HYDROCARBONS**



**WATER IN HYDROCARBONS**

