**INFLOW™**

**OIL IN WATER / WATER IN OIL / MULTIPHASE OIL / PRODUCED WATER/ TAR SANDS MEASUREMENT SYSTEMS**

**THE CANTY INFLOW**

Combining the latest in CCD Ethernet camera technology, with Canty fused glass technology, high intensity lighting and CANTYVISIONCLIENT™ software, the INFLOW™ provides real time inline analysis (size & concentration) of Oil and Solids (Sand) in Water, or Water and Solids in Oil.

JM Canty’s vision based technique works on the fundamental principle of presenting the fluid (water / oil stream) between a high intensity light source and microscopic camera. The captured images are then analysed by the CANTYVISIONCLIENT™ software, where the suspended particulate (oil, water, solids, gas bubbles) is measured under a number of different parameters to provide size, shape and concentration data. Software filters (size / shape) are applied so oil / water, solids, and air bubbles are individually & simultaneously analysed.

**FEATURES**

- Ethernet Connectivity (Remote Monitoring / Support)
- Intuitive Software Interface
- Data Outputs in the Form of Excel Database
- Control Output Options via OPC / 4-20mA
- Fused Glass Process Barrier
- High Intensity Lighting
- Integral Jet Spray Ring (Cleaning)
- FM EXP / ATEX FP Options

**ADVANTAGES**

- Real Time Inline Measurement (No Sampling)
- Centre Pipeline Measurement (Most Representative)
- Visual Verification
- Simultaneous Measurement of Oil / Water and Solids
- Flow Rates to 9ft/s (water stream)
- Up to 5% Particle Concentration (Higher for Droplet Size Measurement Only)
- +/-1% Accuracy of Calibrated Scale

**COMMON APPLICATIONS**

- Oil in Water: Environmental Regulations, Separation Equipment Performance Analysis & Optimization
- Solids in Water: Avoid Well Plugging (WFI), Limit Equipment & Pipeline Clogging / Erosion, Separation Equipment Performance Analysis & Optimization
- Water / Solids in Oil: Adherence to Pipeline & Refinery Standards, Limit Equipment & Pipeline Erosion, Separation Equipment Performance Analysis & Optimization
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OPERATOR SCREEN

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

V O 6 C 1 1 1 A A 1 V

APPLICATION
- O - Oil In Water
- M - Multiphase
- W - Water in Oil

SYSTEM CLASSIFICATION
- 6 - Standard Optics

CONNECTION TYPE
- B - Swagelok®
- C - Flange (ANSI/DIN)
- E - NPT (Female)

CONNECTION SIZE
- 0 - 1/2” (12.7mm)
- 1 - 1” (25mm)
- 2 - 1.5” (38mm)
- 3 - 2” (50mm)
- 4 - 3” (80mm)
- A - 4” (100mm)
- B - 6” (150mm)
- C - 8” (200mm)
- D - 10” (254mm)
- E - 12” (305mm)

WETTED METAL MATERIAL
- 1 - 316L Stainless Steel
- 2 - Hastelloy® C276 or equal
- 3 - Hastelloy® B-22 or equal
- 4 - Carbon Steel

INTERNAL SEAL MATERIAL
- B - BUNA
- V - VITON®
- S - SILICONE
- E - EPDM
- N - NEOPRENE
- K - KALREZ®
- C - CHEMREZ®

ENVIRONMENTAL RATING
- 1 - NEMA 4 WEATHERPROOF
- 2 - IP 66
- 3 - EXPLOSION PROOF
- 4 - FLAME PROOF

ANSI OR DIN PRESSURE RATING / FLANGE PATTERN
- ANSI A - 150 PSI
- B - 300 PSI
- C - 600 PSI
- DIN D - 10 BAR
- E - 16 BAR
- F - 25 BAR

CONSULT FACTORY FOR PRESSURE RATING UP TO 10,000 PSI

INPUT POWER
- A - 120 V AC / 60Hz / 250W
- B - 230 V AC / 50Hz / 250W

NON WETTED METAL MATERIAL (PRESSURE BEARING)
- 0 - Carbon Steel
- 1 - 300 Series Stainless Steel

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