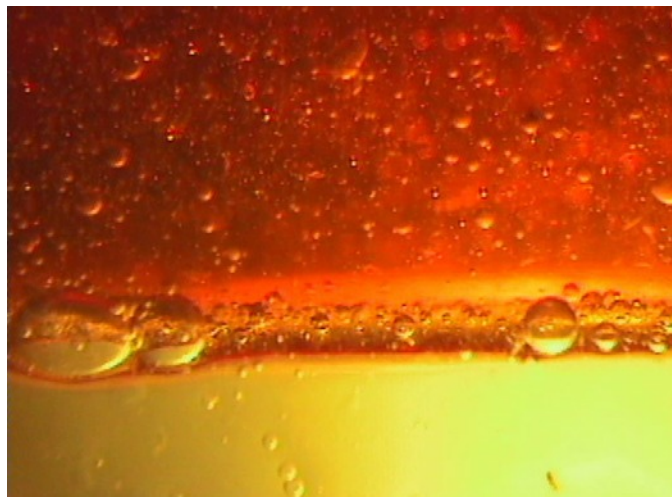


# CANTY

## PROCESS TECHNOLOGY

### PHASE SPLIT



#### UNMATCHED PERFORMANCE

CANTY Image System for Continuous Interface measurement begins at startup. The system will monitor the emission phase and detect when phase A/B occurs, avoiding any flow of the emulsion into the incorrect area. When phases are separated, the system allows for tight control, which increases efficiency of separation of liquids A&B.

#### FEATURES

- This system provides the ability to remotely view a process that may not normally be watched. Multiple viewing stations may be linked to the system output so various departments may monitor a process. Customers may purchase video monitors, amplifiers or screen splitters to enhance the system.
- Ethernet systems allow the additional functionality of being able to remotely view through a Gigabit network system. Users can have access to live system images from their office networked computer.
- CANTYVISIONCLIENT™ software is available for customers that require additional functionality over simple viewing of a live image. Liquid level, color of different phases, and visual verification.
- System verifies the color of fluid in phase split and sends an output signal locating specific points of the interface. All measurements can be recorded and archived for a historical record.

#### APPLICATIONS

- Continuous Or Batch Options
- Non-Contact
- Visual Verification
- Detect and measure all three phases - Organic liquid A from aqueous liquid B and Emulsion of A & B
- No Coating Issues

#### CANTY LIGHTS MAKE IT POSSIBLE

The key to Canty Camera/Light combination systems is the Canty light. Canty uses fiber optic light guides to focus cool, effective light into a process vessel or area. Cool light eliminates product bake-over on the viewing window. Fiber optic light guides have been specifically designed to work in conjunction with cool light to maximize the light transmission into the vessel. The resulting live, remote video image from this illumination is unparalleled!

#### SPECIFICATIONS

Video Format: Gigabit Ethernet, EIA, CCIR, NTSC, PAL  
Cable: Ethernet cameras require CAT6e or better cabling. RG59/U, RG11/U, RG6/U coaxial cable suitable for CCTV applications is recommended for analog cameras.

Power Req.: User supplies 120 VAC, 60 Hz or 230 VAC, 50 Hz power. Canty supplies transformer to 12 VDC, .5A Typ.

Ratings: NEMA 4x, IP66, EXP, FP

Connections: ANSI / DIN

**CANTY**

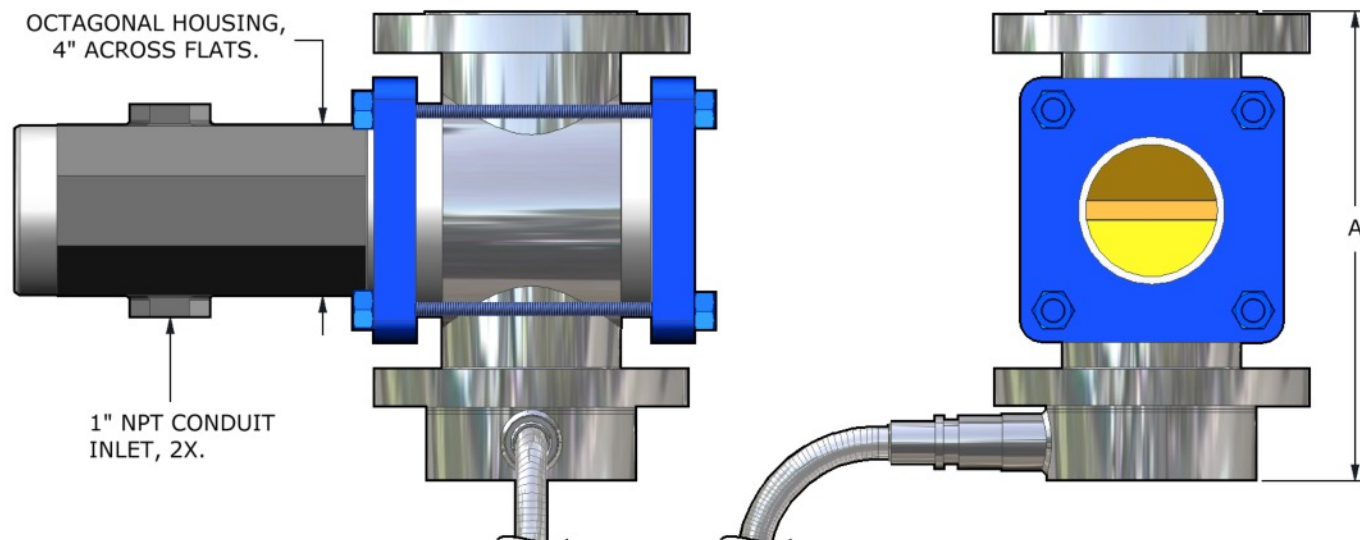
JM Canty Inc  
JM Canty Intl Ltd

Buffalo, NY USA  
Dublin, Ireland

Ph: (716) 625 4227  
Ph: +353 (01) 882 9621

Fax: (716) 625 4228  
Fax: +353 (01) 882 9622

## DIMENSIONAL INFORMATION



Nominal size	Pressure Rating	"A" 150#	"A" 300#	Nominal size	Pressure Rating	"A" 10 BAR	"A" 16 BAR
2" ANSI	150# / 300#	9.58"	10.33"	50mm DN	10 / 16 BAR	243mm*	262mm*
3" ANSI	150# / 300#	11.08"	13.08"	80mm DN	10 / 16 BAR	281mm*	332mm*
4" ANSI	150# / 300#	12.70"	14.95"	100mm DN	10 / 16 BAR	323mm*	380mm*
6" ANSI	150# / 300#	15.95"	22.95"	150mm DN	10 / 16 BAR	405mm*	583mm*
8" ANSI	150# / 300#	17.82"	24.58"	200mm DN	10 / 16 BAR	453mm*	624mm*

\* DIN Face to face dimensions subject to change, please consult factory with requirements.



## Ordering Information

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

### EXAMPLE:

**SPF700 - E 2 4 1 D A**

#### INDICATOR STYLE

F700 - 150 PSI / 10 BAR  
F730 - 300 PSI / 16 BAR

#### VIDEO SYSTEM FORMAT

E - Ethernet

#### ENVIRONMENTAL RATING

2 - NEMA 4 Weatherproof, IP 66  
4 - Explosion Proof (U.S. 120V) or Flame Proof (Europe 230V)

#### ANSI / DIN PIPE SIZE

2 - 2"  
3 - 3"  
4 - 4"  
6 - 6"  
8 - 8"  
A - 50 mm  
B - 80 mm  
C - 100 mm  
D - 150 mm  
E - 200 mm

#### GASKET MATERIAL

A - Viton®  
B - Buna  
C - EPDM  
D - Silicone

#### WETTED METAL MATERIAL

B - 316 Stainless Steel  
D - Hastelloy® C276 or equal  
E - Hastelloy® C-22® or equal  
Teflon Lined

#### INPUT POWER

1 - 120 V AC / 60Hz  
2 - 230 V AC / 50Hz

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