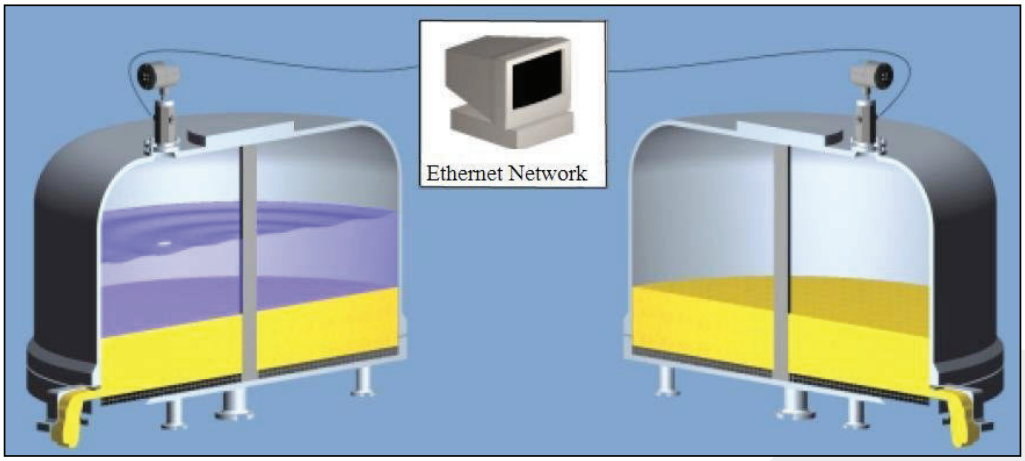
CANTY
PROCESS TECHNOLOGY

ABLE
Instruments & Controls

PROCESS TECHNOLOGY

NUTSCHE FILTER PAT CONTROL SYSTEM

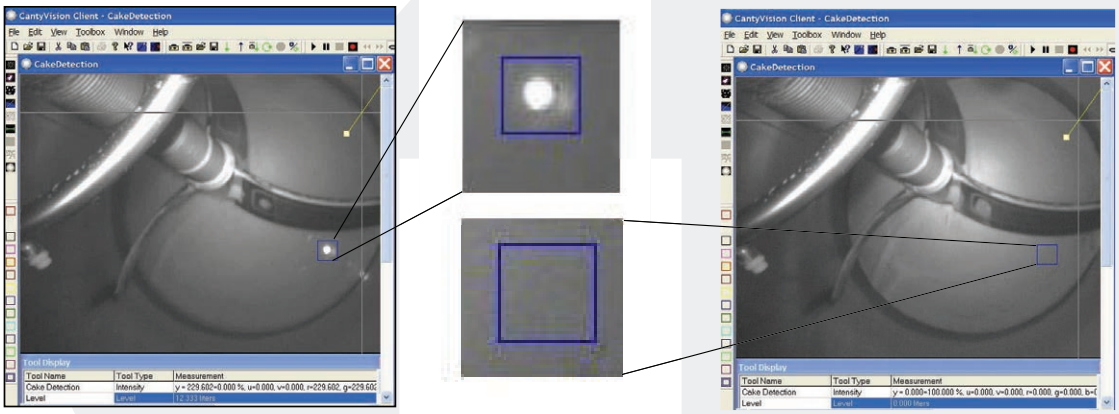
Process Analytical Technology



THE CANTY ADVANTAGE

Stop washing your product away!!! Canty offers a unique vision based approach for non-contact cake detection and level measurement designed for Nutsche Filters. Cake detection is the determination of the transition from liquid slurry to solids "cake". It's critical to determine this transition in a timely manner to avoid cracking in the cake layer. Cracks will cause inconsistent washes and lost product. CANTYVISIONCLIENT™ software performs cake detection with image analysis in real time, by identifying the transition and generating an output signal for control to produce a homogeneous product without washing it away (through 4-20mA, OPC Interface, Modbus, etc...). Simultaneously, level measurement can be performed with the same vision system and crystallizer efficiency can be calculated. Combine this with an in-line Canty Crystalscope™ for true size and shape of crystals as they grow in real time for total process control. Operators can view the process at all times for visual verification and results are archived for historical record.

CANTYVISION™ SOFTWARE IMAGES



LIQUID SURFACE **CAKE SURFACE**

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e-procurement: www.247able.com
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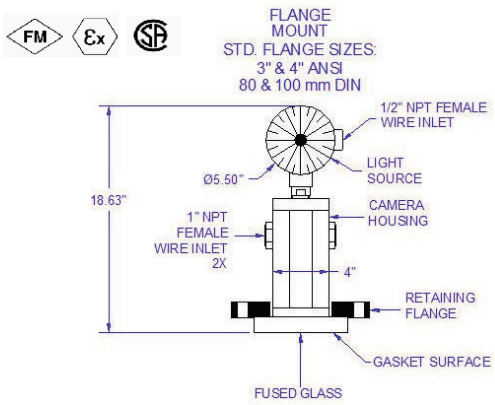
Dimensional Information



Ordering Information

How To Order : Select the appropriate options and build a part number as shown.

Camera System: V7E21BC2J

VISION SYSTEM
V - NTSC (North American standard)
VE - PAL (European standard)

ENVIRONMENTAL RATINGS
6 - NEMA 4 Weather proof, IP66
7 - Explosion Proof (US) or Flame Proof (Europe)

CAMERA OPTIONS
E - Ethernet Network Video

LENS OPTIONS
(Note: Some lenses are not available with certain mounting connections. Consult your binder for details)
2 - 56° (H) x 43° (V)
3 - 76° (H) x 62° (V)
6 - 41° (H) x 31° (H)

CAMERA POWER SUPPLY OPTIONS
1 - User supplies 120 V AC. Supplied in a non WP or EXP enclosure. User provides enclosure and switch as needed.
2 - No power supply required.
5 - User supplies 120 V AC. PSU in a WP enclosure.
6 - User supplies 240 V AC. PSU in a WP enclosure.
7 - User supplies 120 V AC. PSU in an EXP /FP enclosure.
8 - User supplies 240 V AC. PSU in non WP or FP enclosure.

WETTED MATERIAL OPTION
B - 316L Stainless Steel
D - Hastelloy® C-276
E - Hastelloy® C-22®

MOUNTING CONNECTION
Consult the factory for additional sizes and ratings
C - 3" ANSI flange
D - 4" ANSI flange
G - 100 mm DIN flange
Q - 80 mm DIN flange

NON WETTED MATERIAL
0 - No flange required (if selecting a flanged model). Select this option when choosing NPT or Tri-clamp® models also)
1 - 150 # carbon steel ANSI flange
2 - 150 # 316L stainless steel ANSI flange
6 - 16 Bar carbon steel DIN flange
7 - 16 Bar stainless steel DIN flange
8 - 10 Bar carbon steel DIN flange
9 - 10 Bar stainless steel DIN flange

LIGHT OPTIONS
G - HYL 80 1SRDO (240 V)
J - HYL 80 1SRDO (120 V)

Optional Jet Spray Ring: SR1A1CA

CLEANING SYSTEM
SR - Spray Ring

STYLE
1 - Open Channel

PRESSURE
A - 150#
1 - 10 Bar
2 - 16 Bar

MATERIAL CONSTRUCTION
1 - 316L Stainless Steel
4 - Hastelloy® C-276
5 - Hastelloy® C-22®

Connection Size
C - 3" ANSI Flange
D - 4" ANSI Flange
J - 80 mm DIN Flange
K - 100 mm DIN Flange

INSERTION LENGTH
A - None (Flush Mount)

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