

CANTY

PROCESS TECHNOLOGY

INLINE AUTOMATED DILUTION PARTICLE SIZE SYSTEM



Combining the latest in CCD Ethernet camera technology with Cauty fused glass, lighting and CANTYVISION™ software, the INLINE AUTOMATED DILUTION PARTICLE SIZE Measurement System provides real time In Flow measurement of particulate in a slurry.

No sampling or lab analysis is required! Each unit can be fully integrated into existing TCP/IP networks. CautyVision™ software is installed on a user-supplied PC or use the Cauty Vector System to connect to the INLINE AUTOMATED DILUTION PARTICLE SIZE system via an Ethernet network. Images of the process can be viewed from any networked PC. The live images are remotely analyzed and a comprehensive library of standard utilities and data functions provide a multitude of real-time process information.

The CANTY INLINE AUTOMATED DILUTION PARTICLE SIZE System uses a 0-1/2" variable insertion measurement gap. This insertion is made possible by the Fuseview™ sight glass, which allows the optical fused pieces to be located in the center of the fluid stream, which is unique to the Cauty system. The fused glass seal contains no gaskets, ledges, or steps allowing the highest velocity, representative sample and keeps the sensor clean, even in the harshest of environments (crude oil, drilling mud, etc.). The fused glass seal location keeps the sensor in line with the process temperature to avoid product build up due to thermal change.

The image processor can be configured with multiple zone sensing on the image of the fluid. The results from the zones can be compared to base line values for reliability and alarm on detection of a problem.

FEATURES

- Ethernet Connectivity
- Real Time Monitoring of Process In Flow
- Solid One Piece Central Hub
- High Pressure / Temperature Fuseview™
- Easily Installed Modular Unit
- Fused Glass Process Barriers - Self Cleaning
- LED Light Source
- OPC, 4-20mA Current Loop, EXCEL Spreadsheet and Relay Outputs Are Available
- Can use many types of fluids for dilution

ADVANTAGES

- Provides Both A Real Time, In Flow Measurement And A Continuous Real Time View Of The Product
- Various Process Connection Sizes Available - Tri-Clamp® or Flanged
- Utilizes Cauty Cold Light and Fused Glass
- Available In NEMA4, IP66
- Digital Video Storage to Customer PC / DVD or Network Drive
- All data stored on Excel files for later use and easy storage
- No purging needed with standard lighting

MATERIALS / MEDIA / APPLICATIONS

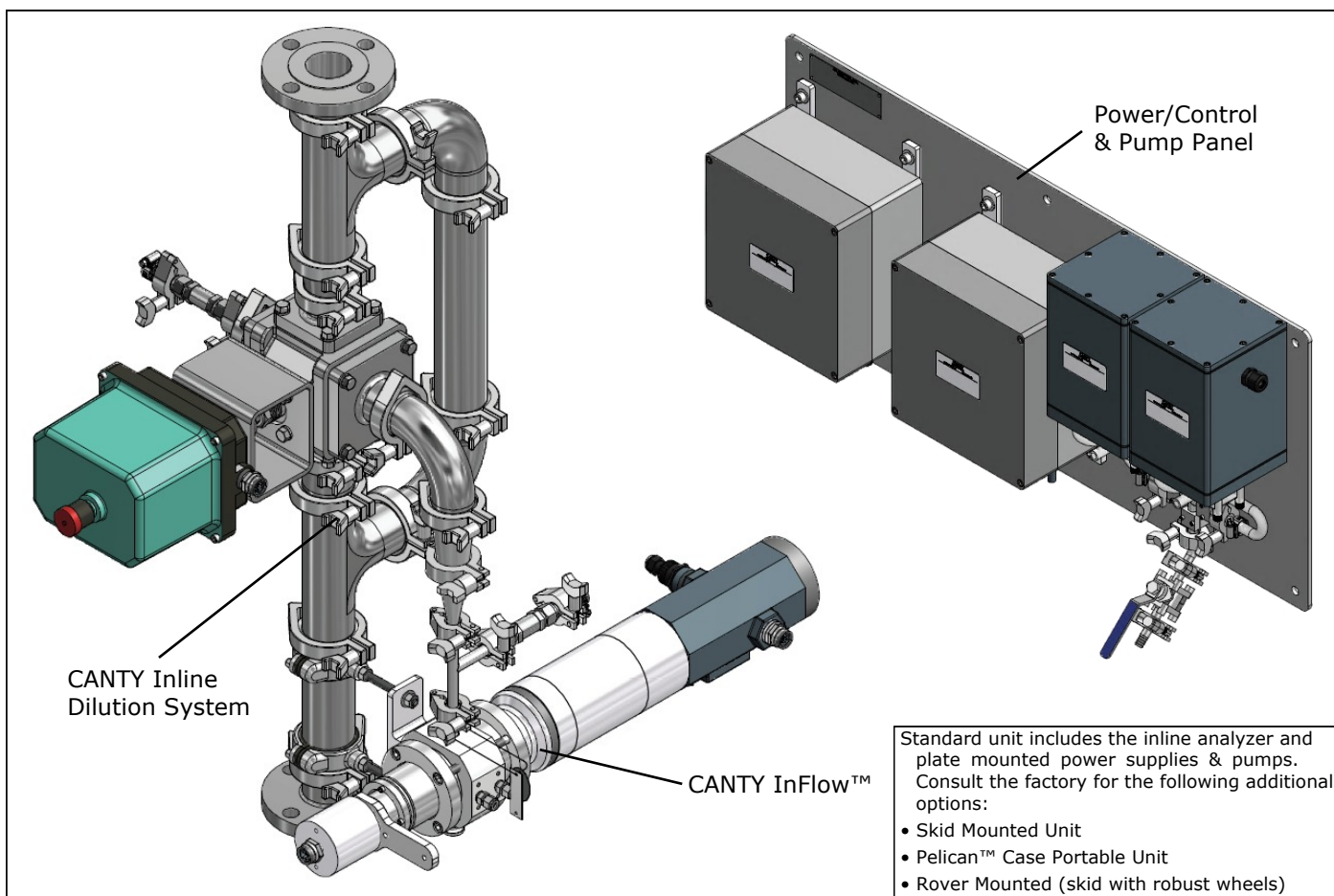
- | | | |
|--------------|-------------------|--------------------------------|
| • Aggregates | • Sands | • Mining (tailings, sand, etc) |
| • Powders | • Pharmaceuticals | • Chemicals |
| | • Pellets | |

CANTY

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



Ordering Information

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

EXAMPLE:

ILD - V O 6 A 1 1 1 A A 1 F

SYSTEM

ILD - Inline Dilution

PARTICLE SIZE RANGE

6 - Standard optics

CONNECTION TYPE

A - Tri Clamp®
C - Flanged

CONNECTION SIZE

1 - 1" (25mm)

Consult factory for other sizes available

WETTED METAL MATERIAL

1 - 316L Stainless Steel
2 - Hastelloy® C276 or equal
3 - Hastelloy® C-22® or equal

INTERNAL SEAL MATERIAL

B - BUNA N - NEOPRENE
V - VITON® K - KALREZ®
S - SILICONE C - CHEMRAZ®
E - EPDM F - FLUOROSILICONE

ENVIRONMENTAL RATING

1 - NEMA 4 WEATHERPROOF
2 - IP 66

PRESSURE RATING

A - 150 PSI D - 10 BAR

INPUT POWER

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

NON-WETTED METAL MATERIAL(PRESSURE BEARING)

1 - 300 Series Stainless Steel

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