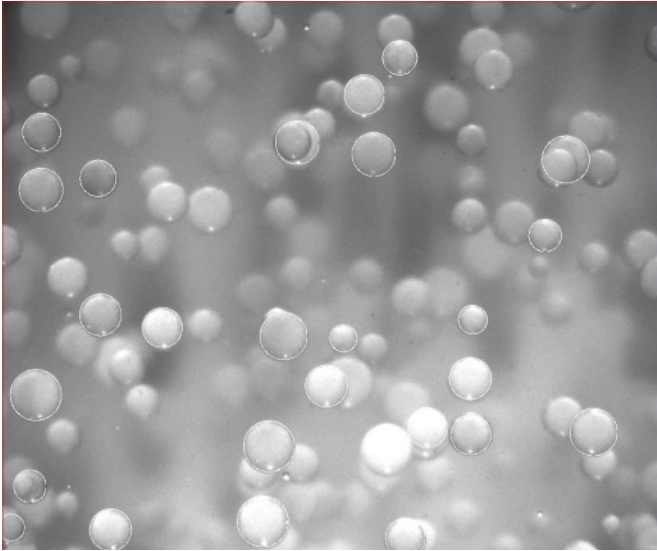


CANTY

PROCESS TECHNOLOGY

EXPANDED POLYSTYRENE SIZING - EPS CAMERA



HOW IT WORKS

The Cauty Expanded Polystyrene Sizing system is a vision-based measurement system used with a gigabit Ethernet camera for on-line particle size analysis. The system includes a high resolution camera with a high magnification lens, integral light source with flexible fiber optic light guides to view the product particles being formed in the process environment. The camera image is sent to CautyVision™ software for particle size analysis.

CANTYVISIONCLIENT™

- Particle Sizing software is installed on a the Cauty Vector Control Module for image analysis
- Analyzes real-time video of your particles using a Cauty Vision Camera System.
- Standard video format – Digital video can be recorded on a hard drive or DVR.
- Multiple software process control packages
- 4-20 mA output / OPC output for control.
- Ethernet network interface standard.

APPLICATIONS

- Styrene Bead Growth Monitoring and Control
- On-line size measurement permits process control for improved yield
- On-line Process Monitoring generates alarms on upset

BENEFITS

- Process image display provides visual verification during process
- Real-Time On-line Process control

FEATURES

- Fiber optic LED lighting for true shape illumination
- Fused Glass, High Pressure / Temperature Seal from Process
- Gigabit Ethernet Based High-Speed Imaging Device
- NEMA 4, Explosion proof / Flameproof Ratings are available.

SPECIFICATIONS

Ratings:	Explosion proof (U.S.) Class I, Div 1, Groups B,C&D, Flame proof (Europe) EEx d IIC T6 models are available. Wetted Material. Stainless Steel or Hastelloy®
Power :	Weather proof - NEMA 4, IP 66 120 VAC , 60 Hz (230VAC / 50 Hz)
Approvals:	CE marking for Europe (CCIR,PAL systems)
Video Format:	Ethernet standard. Analog options are available upon request for retrofit systems.

CANTY

Buffalo, NY USA
Ph: (716) 625 4227

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

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

ORDERING INFORMATION

Equipment: The EPS image processing unit comes complete with software and technical start up service so your operators can learn and operate the system effectively.

The system includes a Canty camera/light unit with insertion tip and micro lens for particle viewing. This can be provided in a 50" insertion for retrofit through the reactor top, or an 8" insertion unit that would be mounted through the reactor side wall.

EPS-8S-EXP Process Microscope Camera (see sales sheet TA7739-1)

Stainless steel wetted, 8" insertion camera to view into process fluid. Features include high speed digital camera, fiber-optic lighting, fused glass lens ready to mount to a 4"-150# nozzle.

How to order -

EPS - 12S - D - WP

INSERTION LENGTH

8S - 8 inches

12S - 12 inches

50S - 50 inches

FLANGE SIZE

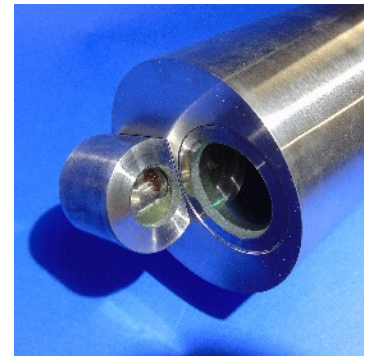
D - 4" 150# ANSI Flange

E - 6" 150# ANSI Flange

ENVIRONMENTAL RATING

WP - Weatherproof rated

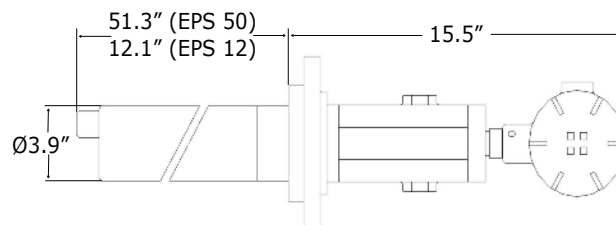
EXP - Explosion proof rated



EPS 50, EPS 12 SERIES FLANGE MOUNT WITH 90° ILLUMINATION

Mounting Connections:

- 4" & 6" 150# ANSI flange
- 100 mm & 150 mm DN PN16



Please note, this system requires the use of the Canty Vector Control Module.
For additional information please see the [VCM datasheet](#).

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