

PROCESS TECHNOLOGY

MICROFLOW[™] PARTICLE SIZING SYSTEM



THE CANTY ADVANTAGE

The Canty MICROFLOW[™] has been engineered to offer the user a means by which a liquid is analyzed while under varying pressures, temperatures and flow rates. The MICROFLOW[™] offers sample or continuous, microscopic, non-destructive viewing and provides particle size analysis with two dimensional results when used in conjunction with the Canty Vector System and CANTYVISIONCLIENT[™] software. The vision system, with integral lighting, features precision optics designed to enhance the image prior to display or analysis. The image sensor is a high resolution / high speed CCD camera coupled to a microscopic lens system. The system offers zoom and focus ability, variable lighting, and multiple objective lens packages to cover a range of sizes. Our MICROFLOW[™] features the FUSEVIEW[™] window as the product contact barrier. Unique fused glass windows far exceed all other glass windows in safety and performance. The fused glass provides a flush finish, without the pocketing found in other mechanical seals which disturb the flow pattern and particle distribution and can damage or deform particles.

APPLICATIONS	FEATURES
 Bio-Tech Cell Growth, Count and Characterization Crystal Growth Analysis 	Particle Size, Shape and Distribution with Real Time Analysis
 Crystal Growth Analysis Polymer Bead Growth and Shape Analysis Mining and Aggregate Particle Size Centrifuge Effluent and Screen Break Detection In-Line Particle Size for Process Control Gel, Emulsion and Bubble Classifier Micro-Reactor Analysis- Dual Inputs and Flush Loop with Sanitary Connections Percent Solids / Turbidity End Product Quality Control and Lot Certification Replace Laser and Sieve with Two Dimensional Distribution by Shape 	 Fused Glass Pressure Barrier Standard Rated 150 PSI @ 500 Deg. F., Options through 6,000 PS On-Line or Lab Plus (remote control) Adjustable Gap Option Seamless Design. Unit Can Be Orientated Horizontal or Vertical On-Line Dilution Port Instantaneous Mixing Port Regulated Temperature Option Bypass Loop Option Available for Flow Control ½ Inch Sanitary Connections Standard
PARTICLE SIZE ANALYSIS	
 Replaces and Correlates to Screen Analysis Distribution By Major, Minor Diameter Visually Verifiable Results Via Live Images Percentation 	 icle Area Particle Perimeter Full EXCEL datalogging Many Library Functions
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HOW TO ORDER: Select the appropriate symbols and build a part number as shown:



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