



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

SENTRY D2 SAMPLER

Strip Samplers

AUTOMATIC SAMPLING

The Sentry® D2 automatic strip sampler automates sampling of either free-flowing or non free-flowing solid and powder materials such as pellets, powders, flakes and granules in gravity chutes and hoppers.

A strip sampler captures a sample strip across the diameter of a process stream, and is used in situations where product segregation exists. Product characteristics are not affected by the sampler, and sample size can be changed at the sampler controller.

The Sentry D2 sampler collects a sample when a solenoid-operated actuator rotates a slotted sample tube through the product flow, taking a cross-sectional sample. Simultaneously, a motor-driven auger draws the product to the discharge point.

MODELS

D2

BENEFITS

With representative sampling, characteristics of each sample match that of the entire lot or batch – so samples are repeatable, leading to accurate sample analysis data. Automatic sampling ensures a sample can be easily and safely obtained with no need for direct human interface or interference. This ensures sample integrity as well as operator safety.

FEATURES

- Customized to meet various application needs
- Close tolerance between the auger and tube assures self-cleaning to help prevent cross-contamination
- Product contact materials are 300 series stainless steel
- White nitrile seals or gaskets
- Low height requirements
- CE and ATEX compliant models available
- Pneumatic or electric actuation for flexibility
- Includes air filter, regulator and gauge where applicable
- Optional release coating to ensure a non-stick surface
- QPQ hardening of contact surfaces available to protect against wear and abrasion
- Explosion proof (XP) motor available
- Custom mounting adapters for round, square or other shaped chutes or pipes
- Optional same side discharge
- Pre-plumbed filter/regulator and solenoid valve available

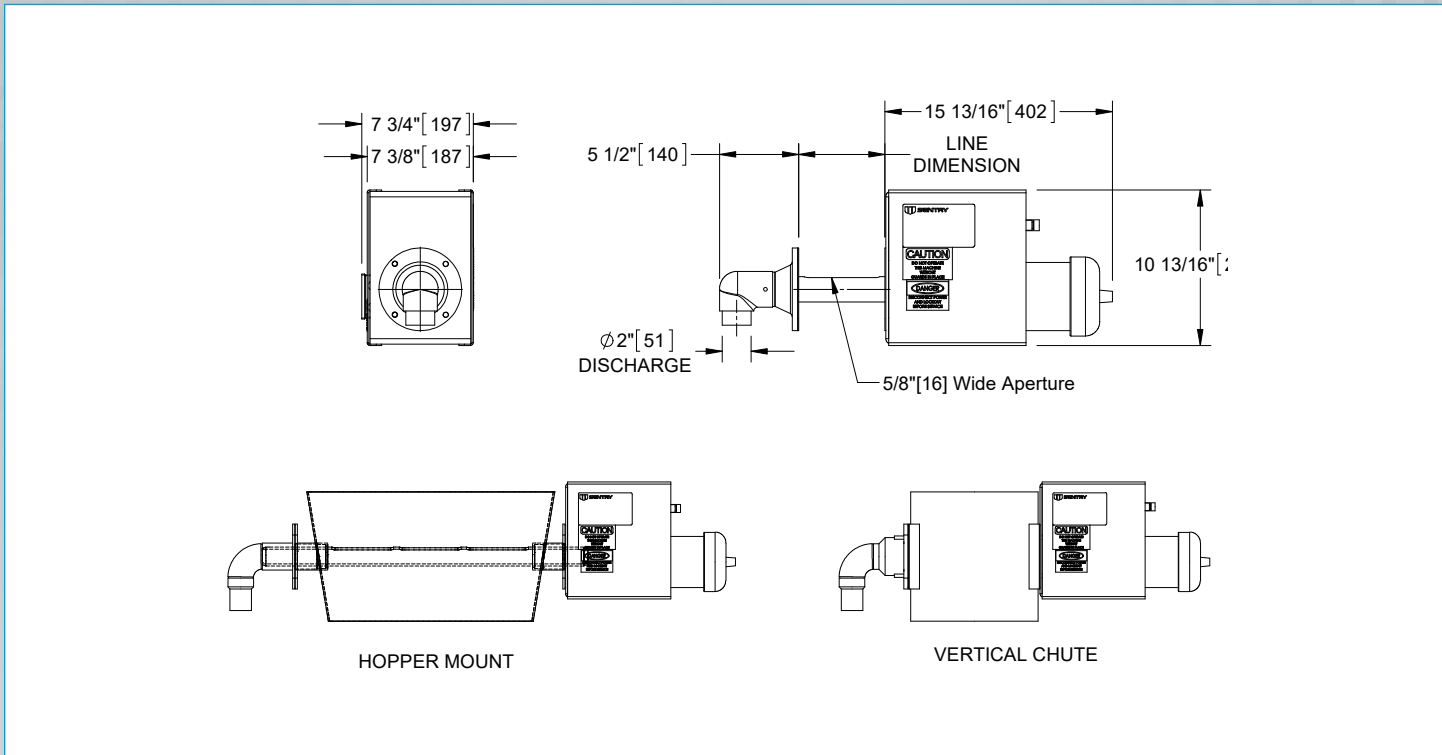


Sample. Monitor. Measure.



SENTRY

Any Application. Anywhere.



SPECIFICATIONS	
materials	300 series stainless steel, white nitrile, acetal, aluminum actuator
particle size	10 µm - 1/4 in (6 mm)
motor	1/6 HP gearmotor, 90 RPM, 115/230/1ph/60 Hz, 110/220/1ph/50 Hz TEFC
electrical requirements	115/230/1 ph/60 Hz or 110/220/1 ph/50 Hz
temperature rating	-20 to 180°F (-29 to 82°C)
suggested connection to sample discharge	rigid metal or flexible tubing to a collection container or indexing cabinet
recommended sampler location	gravity chutes and hoppers
quantity of sample	24 cc per revolution max.
collection containers	PET jar, 304 stainless steel jar, bag
pressure rating	ATM
shipping weight	approx. 60 lb (27 kg)



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