

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.

MODELS

D2

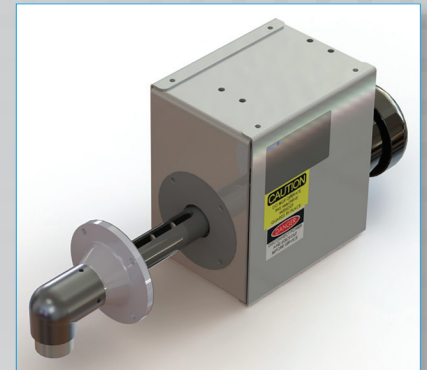
BENEFITS

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.

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.

FEATURES

- Low height requirements
- Includes 316 stainless steel tube and auger
- Slotted tube rotates 180°, introducing material to the auger, which positively extracts the sample
- Stainless steel construction
- Customized to meet various application needs
- Close tolerance of 0.003 in. (0.008 cm.) between the auger and tube assures self-cleaning
- Rotating slotted sample tube allows for easy sample cleanout to prevent cross-contamination
- Options include custom mounting adapters and custom tube and auger design, pre-mounting in lines, spouts or hoppers, nickel impregnated Teflon® for a non-stick surface, hardening treatments to protect against wear and abrasion
- ATEX-compliant models available



Representantes / Distribuidores Exclusivos

Argentina

Tel: (+54 11) 5352 2500

Email: info@dastecsrl.com.ar

Web: www.dastecsrl.com.ar

Uruguay www.dastecsrl.com.uy

Paraguay www.dastecsrl.com.py

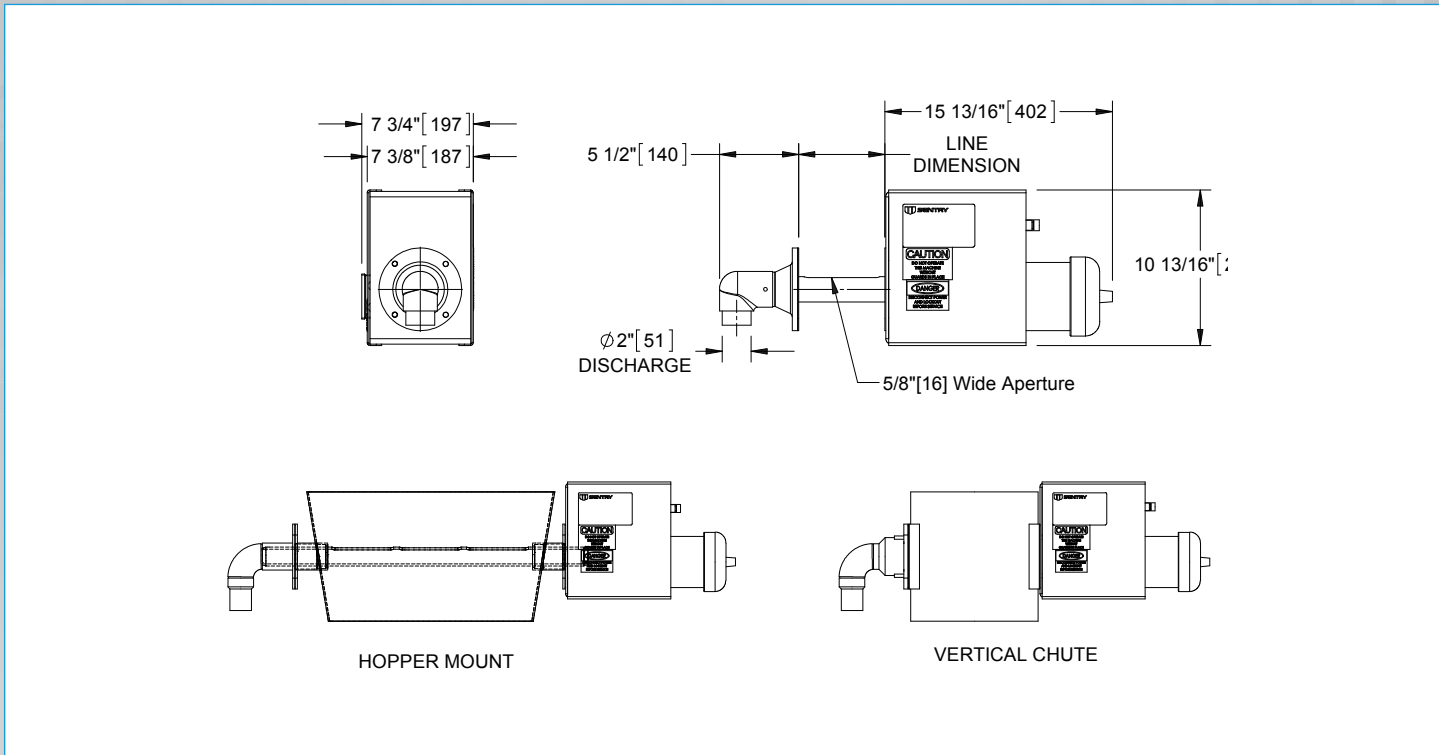
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Sample. Monitor. Measure.

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	115/230/1ph/60 Hz or 110/220/1ph/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 lbs (27 kg)

Teflon is a registered trademark of E. I. Du Pont de Nemours and Company.

sentry-equip.com

966 Blue Ribbon Circle North, Oconomowoc, WI 53066 U.S.A. | +1-262-567-7256 | sales@sentry-equip.com

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