

SENTRY A SAMPLER Point Samplers

AUTOMATIC SAMPLING

The Sentry® A automatic point sampler automates sampling of dry free-flowing materials such as granules, powders, flakes and pellets from screw or drag conveyors or sloped gravity chutes. A point sampler captures samples from a point in a process stream and often is used when the material is homogenous.

To obtain a sample, the Sentry A sampler's air cylinder opens a sliding gate on the sampler. The material sampled is discharged through a flexible hose to a collection point. Material characteristics are not affected by the sampler because no moving parts convey the material to the sample container. Sample volume can be changed at the sampler controller.

MODELS

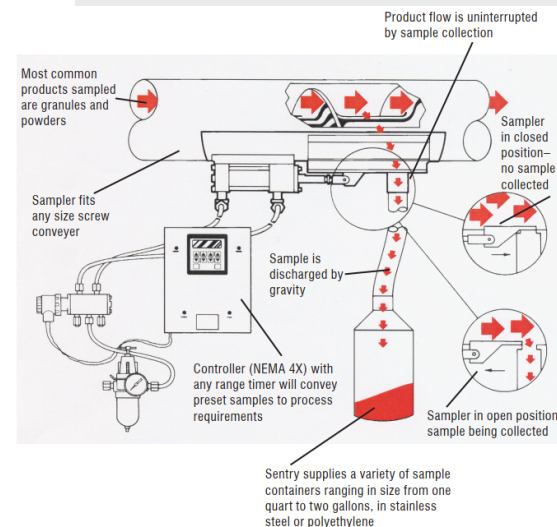
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BENEFITS

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.

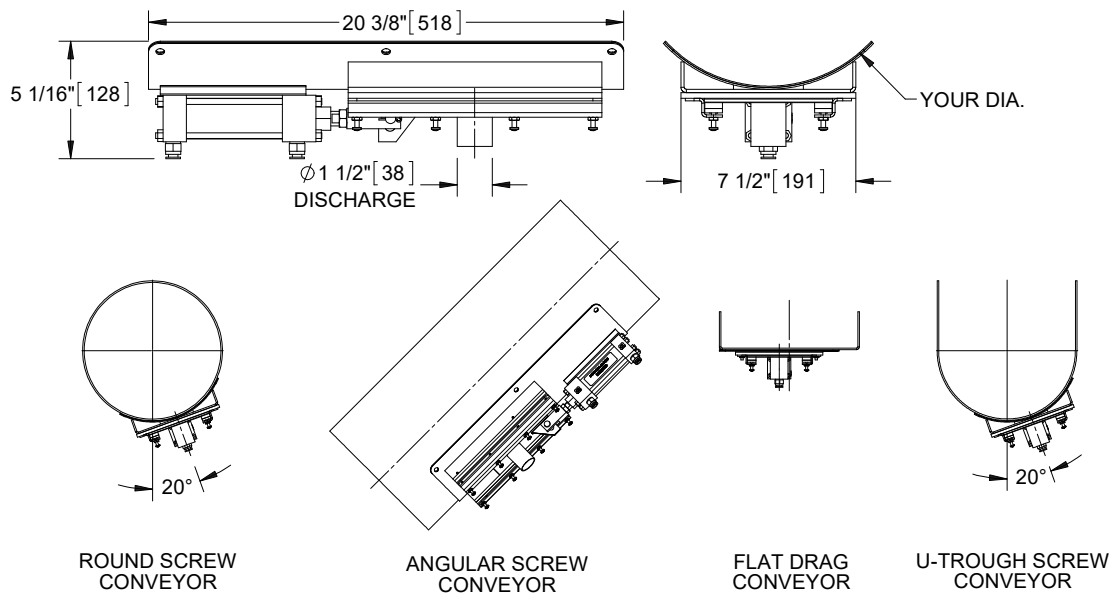
FEATURES

- Customized to meet various application needs
- Wetted components are 300 series stainless steel
- White nitrile seals or gaskets
- 1.5 inch or 3 inch (38 mm or 76 mm) diameter discharge tube
- Designed to eliminate degradation of sample material
- No moving parts in conveyance of sample to container, keeping material characteristics consistent
- CE and ATEX compliant models available
- Pneumatic or electric actuation for flexibility
- 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
- Pre-plumbed filter/regulator and solenoid valve available



Sample. Monitor. Measure.





SPECIFICATIONS

materials	300 series stainless steel, white nitrile, UHMW-PE, aluminum cylinder
particle size	10 μ m to 1/4 in (6 mm); larger sizes upon request
temperature rating	-10 to 180°F (-23 to 82°C)
air requirements	air pressure of 60 to 80 psi (4.1 to 5.5 bar) recommended; air usage 11 in ³ (180 cc) per inch of stroke
suggested connection to sample discharge	flexible tubing to a collection container or indexing cabinet
recommended sampler location	screw and drag conveyors
quantity of sample	determined by flow rate and retract time
collection containers	PET jar, 304 stainless steel jar, bag
pressure rating	ATM
shipping weight	approx. 20 lb (9 kg)

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