



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

SENTRY SA SAMPLER

Cross-Cut Samplers

AUTOMATIC SAMPLING

The Sentry® SA automatic cross-cut sampler automates sampling of dry free-flowing materials such as grain, granules, powders, flakes or pellets in vertical or inclined chutes. A cross-cut sampler captures a cross section of an entire material stream and is used in situations where material segregation exists.

To obtain a sample, the Sentry SA sampler's air-actuated, pelican-type head moves across the process flow in the chute and deposits it at the discharge. The sample is discharged through a flexible hose to a collection point. Material characteristics are not affected by the sampler because no moving parts convey the sample to the sample container. Sample volume can be changed at the sampler controller.

MODELS

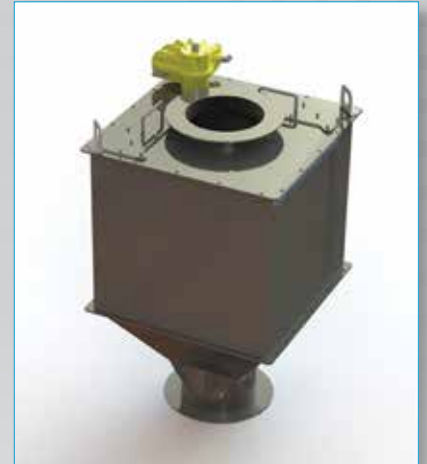
SA-A | SA-E

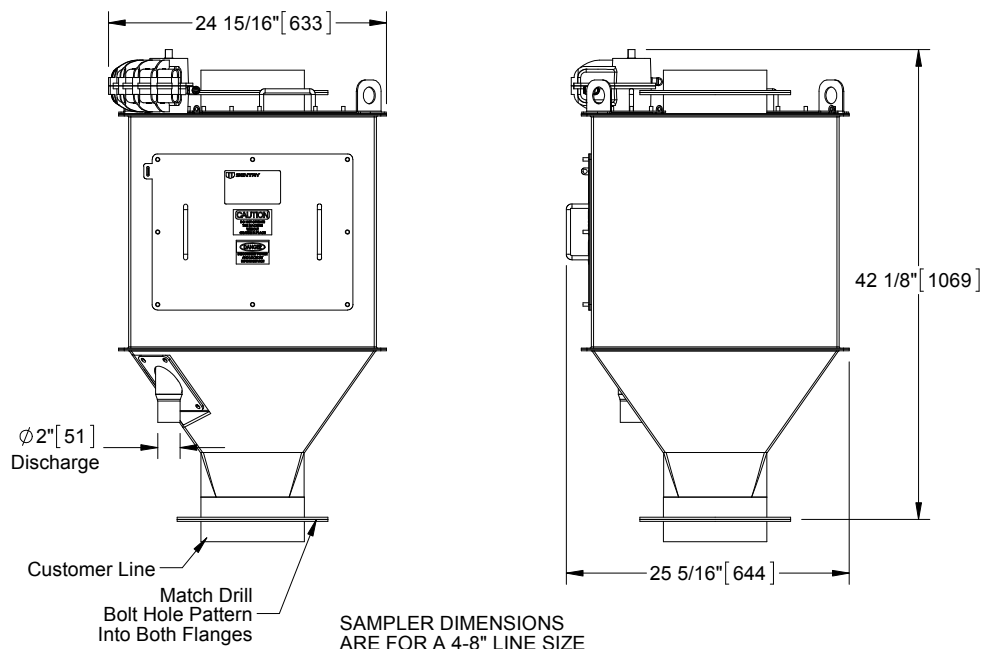
BENEFITS

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
- Kevlar® braided packing
- USDA, Canadian, FGIS and NOPA approved
- Square or round gravity chutes; 2 or 3 inch (51 or 76 mm) diameter discharge tube
- Designed to eliminate the degradation of sample material
- No moving parts in conveyance from sampler to container, keeping material characteristics consistent
- Dust and vapor resistant
- CE and ATEX compliant models available
- Available with pneumatic or electric actuation for flexibility
- Includes air filter, regulator and gauge where applicable
- Adjustable pelican opening available
- Optional wear lining in lower transition
- 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
- Pre-plumbed filter/regulator and solenoid valve available





SPECIFICATIONS

materials	300 series stainless steel, white nitrile, Kevlar®, aluminum cylinder
particle size	10 μm to 1/4 in (6 mm); larger sizes upon request
temperature rating	-20 to 180°F (-29 to 82°C)
air requirements	air pressure of 60 to 80 psi (4.1 to 5.5 bar) recommended; air usage 282 in ³ (4,621 cc) per stroke
suggested connection to sample discharge	rigid metal or flexible tubing to a collection container or indexing cabinet
inlet size	4 to 36 in (10 to 91 cm) square or round
recommended sampler location	vertical or inclined spout
quantity of sample	determined by flow rate and aperture size
collection containers	PET jar, 304 stainless steel jar
pressure rating	ATM
shipping weight	consult Sentry Equipment

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



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COMPANY WITH
 QUALITY SYSTEM
 CERTIFIED BY DNV GL
 = ISO 9001 =