



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

# 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

A

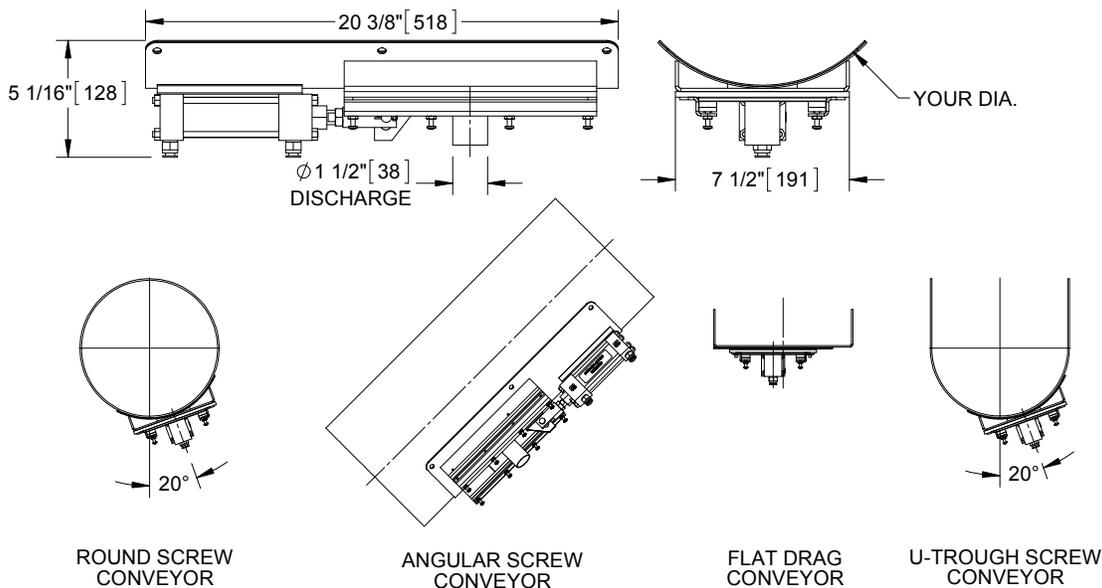
### BENEFITS

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 guage 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





### SPECIFICATIONS

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



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