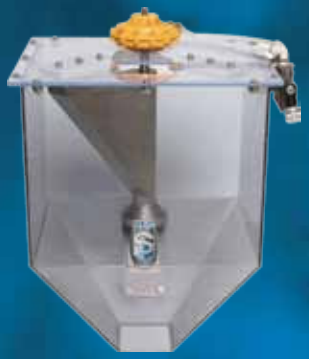
Automatic Samplers For Bulk Solids

FLAKES • GRANULES • PELLETS • POWDERS



Backed By
Over 85 Years of
Sampling Experience

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SENTRY

POINT SAMPLERS

A point sampler takes a sample at one point in the product flow stream.

Model A

- Free flowing materials from screw or drag conveyors
- Pellets, flakes, granules, grain and seed

Model B1

- Non-free flowing and free flowing materials, including sanitary products, from gravity chutes and hoppers
- Powders, flakes, granules, powdered milk and pharma. products
- Conformant to 3-A Sanitary Standards

Model PR

- Designed for sampling free flowing material from pneumatic convey lines
- Pellets, powders, flakes and granules
- Isolated sample tube captures a fixed sample volume

Model R

- Designed for sampling non-free flowing and free flowing material from pneumatic convey lines
- Pellets, powders, flakes and granules
- Isolated sample tube and auger capture a fixed sample volume

Model RPG

- Recommended where degradation of product must be avoided
- Non-free flowing and free flowing material from gravity chutes, hoppers, bins and end of conveyor belts
- Powders, flakes, granules and friable materials
- Sample cavity captures a fixed sample volume

ISOLOK® SERIES

Model SAE

- Compact sampler samples from gravity chutes, hoppers, bins, air slides and fluid bed dryers in industrial or sanitary applications
- Suitable for atmospheric, pressurized or vacuum installations
- Pellets, powders, flakes, granules and friable materials
- Sample cavity captures a fixed sample volume of 100 cc

Model SAH

- Compact sampler samples from gravity chutes, hoppers, bins, air slides and fluid bed dryers in industrial or sanitary applications
- Suitable for atmospheric, pressurized or vacuum installations
- Pellets, powders, flakes, granules and friable materials
- Sample cavity captures a fixed sample volume of 50 cc

Model SAK

- Compact sampler samples from gravity chutes, hoppers, bins, air slides and fluid bed dryers in industrial or sanitary applications
- Suitable for atmospheric, pressurized or vacuum installations
- Pellets, powders, flakes, granules and friable materials
- Sample cavity captures a fixed sample volume of 18 cc

STRIP SAMPLERS

A strip sampler takes a sample of a strip across the product flow stream.

Model D2

- Non-free flowing and free flowing materials from gravity chutes and hoppers
- Pellets, powders, flakes and granules
- Low height requirements

Model MG

- Free flowing materials from gravity chutes and product lines
- Pellets, powders, granules, grain, seed and friable material
- Sample tube is easily removed for cleaning and inspection
- Available in pneumatically and electrically driven versions

Model RB

- Non-free flowing and free flowing materials from gravity lines, hoppers, bins, air slides, mixers and blenders
- Pellets, powders, flakes and granules
- Discharges material during entire sample cycle

Model RX

- Free flowing materials from chutes, hoppers, bins and air slides
- Pellets, powders, granules, grain, seed and friable materials

CROSS CUT SAMPLER

A cross cut sampler takes a sample of the entire area of the flow stream.

Model SA

- Vertical spouts and chutes
- Pellets, powders, flakes, granules, grain and seed
- USDA, Canadian Grain, FGIS and NOPA approved design
- Available with air or electric actuation

CONVEYOR BELT SAMPLER

Model DS-3

- Flexible mounting location; can be mounted anywhere along the belt
- Conical sweeping sampling action drives a scoop through the material
- Up to 16 cu. in. / 262 cc of sample per cut can be collected per cycle

CONTROLLERS

Controllers

- PLC-based controllers allow manual, automatic, or continuous sample cycling
- Standard controller housing is Nema 4X; however, other enclosures are available

INDEXING CABINET

Model IC

- Multiple position indexing cabinet designed for collecting either individual or composite samples
- Available in 8, 16, and 24 collection positions
- Controlled by a PLC; interfaces with the sampler controller
- Offered with TEFC or explosion-proof motor

SAMPLER OPTIONS

Sample Containers

- Sentry supplies sample containers of polyethylene or stainless steel; containers are available for pressurized applications
- Container capacities range from 32 ounces to 2.5 gallons (0.9 to 9.5 liters)

Alloys and Coatings

- Special alloys include Hastelloy®, Monel®, Kynar®, Titanium, etc.
- Coatings for sample tubes include QPQ and Nickel-impregnated Teflon®

Sampling systems for on-line analyzers

- Sentry can design on-line sampler/analyzer systems to interface with a variety of particle size analyzers and moisture sensors
- Each system provides a representative sample from the main process stream and precisely conditions and feeds the sample to the analyzer
- A programmable or hard-wired controller interfaces between the Sentry sample/feed system and the analyzer

For additional details on specific samplers, available construction materials, and other technical information, individual cut sheets are available from Sentry's authorized representatives and web site: ***www.sentry-equip.com***

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WARNING It is solely the responsibility of the end-user, through its own analysis and testing, to select products and materials suitable for their specific application requirements, ensure they are properly installed, safely applied, properly maintained, and limit their use to their intended purpose. Improper selection, installation, or use may result in personal injury or property damage.

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CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001:2008 ANAB DNV

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