

SENTRY EQUIPMENT CORP

The Sampling Connection



pellets

granules

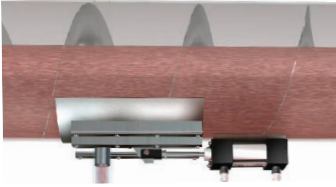
GUIDE TO BULK SOLIDS SAMPLERS

POWDERS

flakes

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



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

ISOLOK® SERIES



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



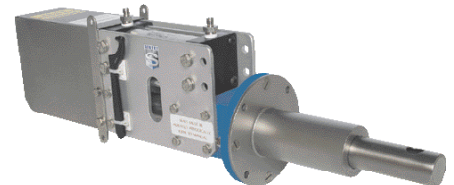
Model RB

- 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 / 0.95 liter to 2.5 gallons / 9.5 liters

Alloys and Coatings

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

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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The Sampling Connection

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18.1.0 Rev. 0 5/06