



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

# SENTRY ISOLOK SAG SAMPLER

## Point Samplers

### AUTOMATIC SAMPLING

The Sentry® ISOLOK® SAG automatic point sampler is an extra-large capacity sampler that provides large quantity representative samples of liquids and slurries such as radioactive waste, waste acid, resin bead slurry, bauxite mud and raw municipal sludge over a short time period.

The ISOLOK SAG sampler operates when compressed air forces the plunger into the process line to capture a fixed volume of material. Compressed air then acts on the opposite side of the piston to retract the plunger to a position which allows the sample to drop by gravity into a container.

### MODELS

ISOLOK SAG

### BENEFITS

The Sentry ISOLOK SAG sampler seal design isolates the operator from the process at all times, with the sample captured in the container "locked out" from external influences.

Metal parts of the sampler are made of 316 stainless steel; other alloys are available for varied applications and process conditions. Process contact seals are filled Teflon for chemical applications or wear-resistant elastomers for abrasive slurries. Modular components allow selection of various bodies and plungers to meet different process applications.

### FEATURES

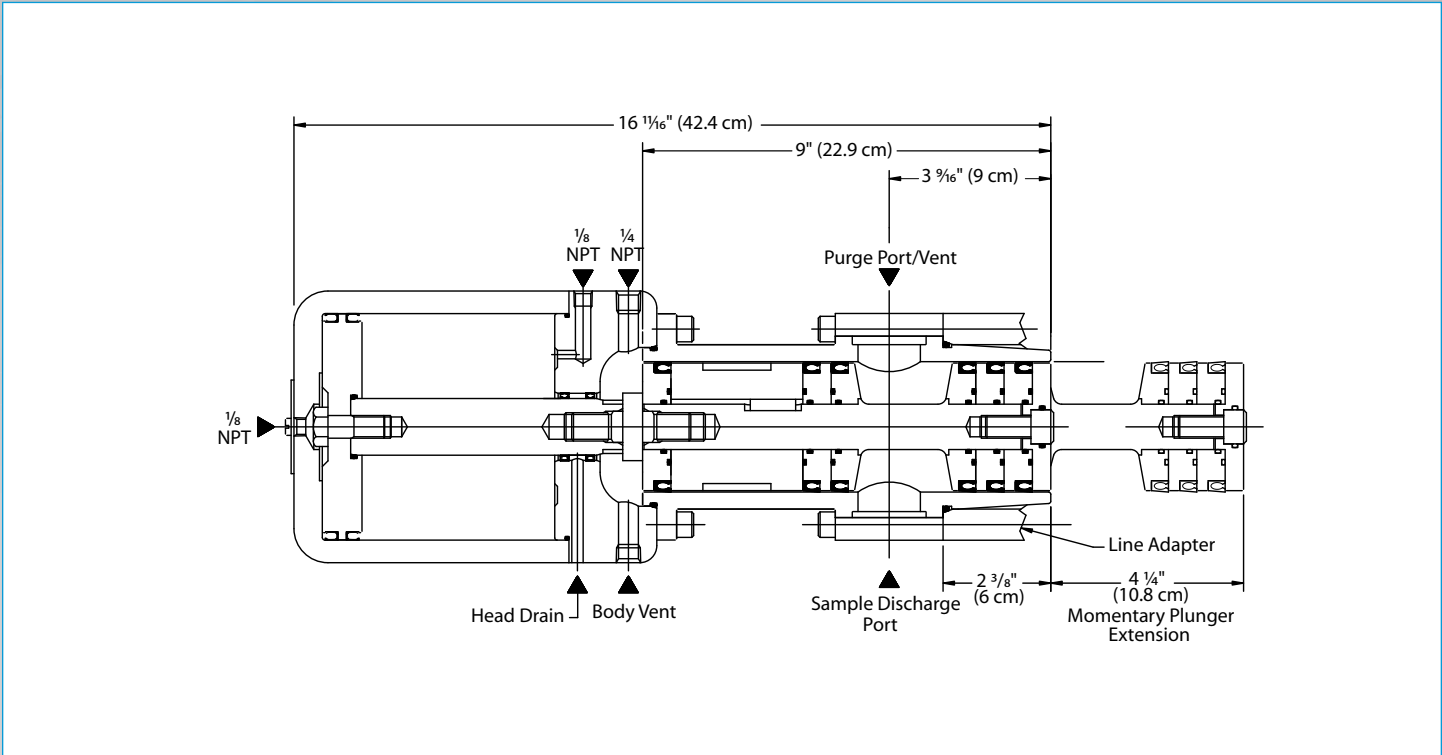
- Three different models for sampling fixed volumes of 50 cc, 120 cc or 200 cc per sample cycle
- Handles line pressures from vacuum up to 300 psi (20.7 bar) in most applications
- Rugged 316 stainless steel construction
- Batch or composite sampling
- Options include port closures, different container types, sampler enclosures (with or without heater), sample heating or refrigeration, and optional materials of construction and seal choices
- ATEX-compliant models available



Sample. Monitor. Measure.

# SENTRY

Any Application. Anywhere.



SPECIFICATIONS	
sample volume per cycle	120 or 200 cc
maximum cycle frequency	6 strokes per minute, depending on application
maximum particle size	1/4 in (6.3 mm)   5/8 in (16 mm)   7/8 in (22 mm)
line mounting options	MNPS thread, tri-clamp, instrument hub, bolted hub 2, ANSI flange
materials	316 stainless steel; other materials available
cylinder seals	Halar®, TFE or custom
plunger seals	TFE, polyurethane, EPDM rubber, Kalrez® or custom
compressed air requirement	2 SCFM at 90 psi (.05 m <sup>3</sup> /minimim at 6.2 bar)
dimensions	16.69 in x 6 in (42.4 cm x 15.25 cm)
shipping weight	58 to 66 lb (26.3 to 30 kg)

Kalrez is a registered trademark of E. I. Du Pont de Nemours and Company.  
 Halar is a registered trademark of Ausimont, U.S.A. Inc.



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