



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

# SENTRY ISOLOK MSD SAMPLER

## Point Samplers

### AUTOMATIC SAMPLING

The Sentry® ISOLOK® MSD automatic point sampler is designed for sampling high-viscosity products such as toothpaste, peanut butter, tomato paste, juice concentrates – even rocket propellant – at pressures above 30 PSIG.

The ISOLOK MSD sampler delivers a fixed volume of sample with each cycle.

#### MODELS

ISOLOK MSD

#### BENEFITS

The ISOLOK MSD sampler delivers a fixed volume of sample with each cycle. The sampler mounts onto the process line using a two-inch tri-clamp ferrule mount held with a clamp and gasket.

All product-contact seals are FDA-recognized elastomer compounds selected to meet application conditions. Compressed air drives the plunger into the process, where the process line pressure opens the annulus. The plunger retracts, holding the sample in the annulus. Once fully retracted, the annulus collapses, ejecting the sample into the container.

The operator is isolated from the process at all times by the sampler's seal design, and the sample captured in the container is locked out from external influences to provide a truly representative sample.

#### FEATURES

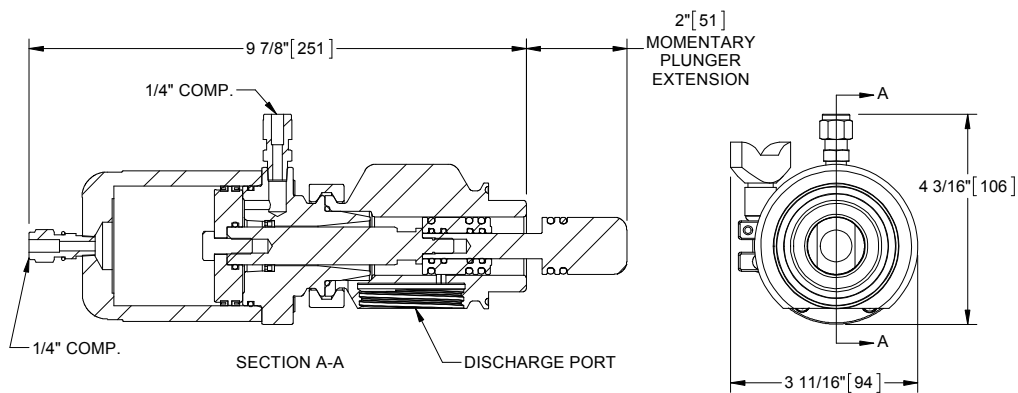
- Samples high-viscosity materials using a contracting annulus that ejects each collected sample into the attached container
- Collects sample volume of 14 cc at 30 to 200 psig (2.07 to 13.79 barg) process pressure
- Ideal for liquids or slurries up to 150,000 centipoise
- Options include port closures, line adapters, different container types, sampler enclosures (with or without heater), sample heating or refrigeration, optional materials of construction and seal choices



Sample. Monitor. Measure.

# SENTRY

Any Application. Anywhere.



**SPECIFICATIONS**

sample volume per cycle	14 cc
maximum cycle frequency	6 strokes per minute, depending on application
line mounting options	tri-clamp
materials	316 stainless steel/Buna-N; other seal materials available
sample temperature range	-40° to 500°F (-40° to 260°C), depending on seal material and duty cycle
ambient operating temperature range	-5° to 131°F (-20° to 55°C) depending on seal material
compressed air requirement	2 SCFM at 90 psi (.05 m <sup>3</sup> /min at 6.2 bar)
dimensions	8.8 in x 3.25 in (22 cm x 8.25 cm)
shipping weight	12.6 lb (5.7 kg)



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