



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

SENTRY ISOLOK RSS SAMPLER Point Samplers



AUTOMATIC SAMPLING

The Sentry® ISOLOK® RSS point sampler provides automated sampling of radioactive slurries from the safety of a remote operator station.

Upon operator signal, a sample bottle is lifted into position, and the sampler operates by compressed air forcing a plunger into the process line to capture a fixed volume of material. The plunger retracts and sample is flushed into the bottle. The sample bottle then is lowered into a lead cask. The shielded cask cover rotates closed and the mobile transport cart then can be removed.

MODEL

ISOLOK RSS

BENEFITS

As part of our portfolio of products for high radiation sampling, the ISOLOK RSS sampler ensures the utmost safety and protection of nuclear plant operators as well as other personnel and the environment. It features remotely operated push button sampling and a mobile sample transport cart with braking system.

FEATURES

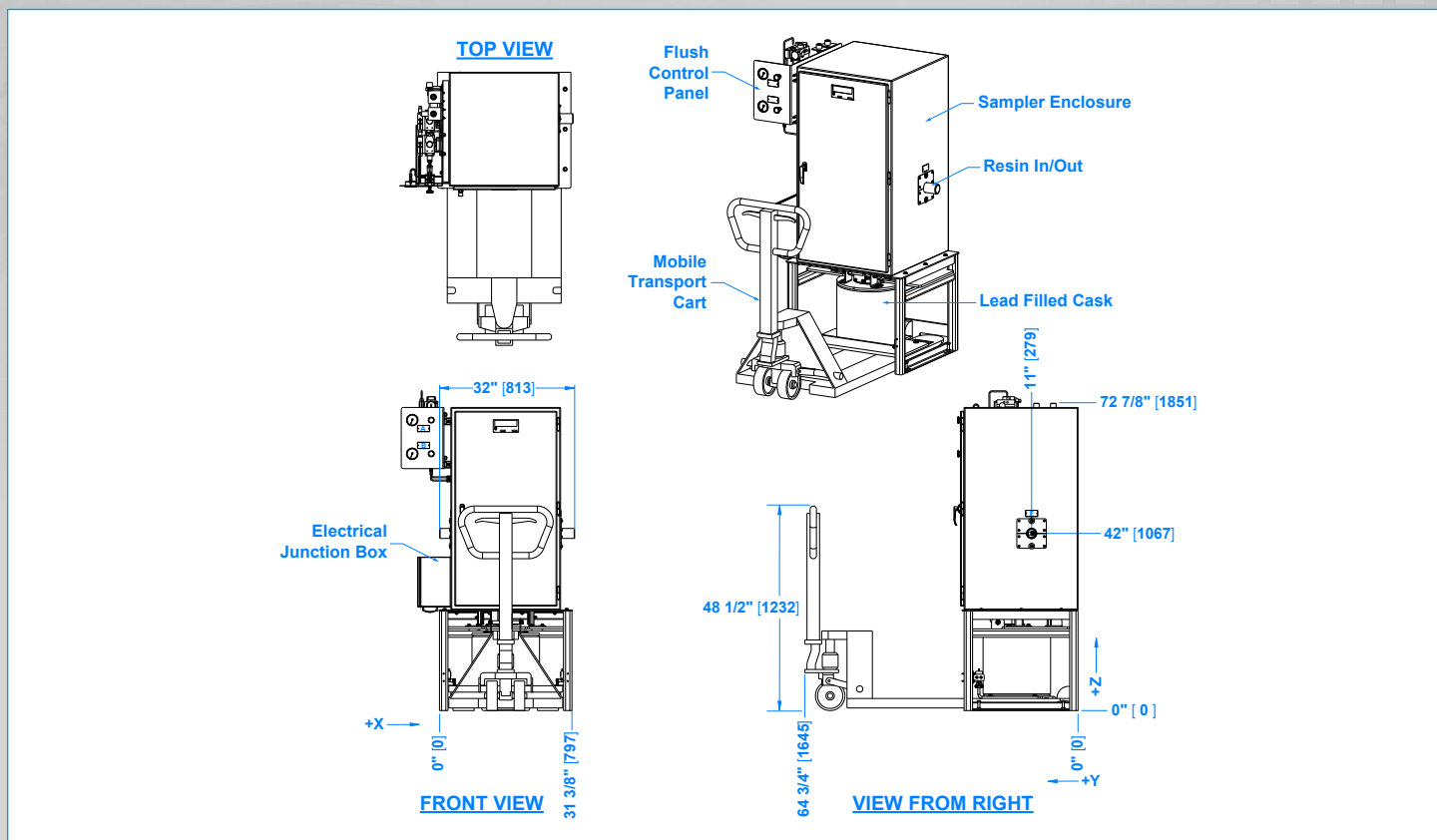
- Lead filled cask design for dose rate of approximately 10 mrem per hour with a 1.0 curie sample taken—cask size varies based on application, isotopic inventory, and total activity captured
- Robust structure with optional seismic calculations
- PLC monitor with visual alarms
- Bottle carrier with self-actuated shielded cover and pneumatic bottle carrier lift
- Radiation resistive components with optional material traceability report
- Adjustable sample and flush volumes
- Low-maintenance design.



Sample. Monitor. Measure.

SENTRY

Any Application. Anywhere.



SPECIFICATIONS

dimensions	65 in x 43 in x 73 in (1651 mm x 1092 mm x 1854 mm)
sample inlet/outlet connection	1/2 to 2 in flanged or butt weld
pressure rating	300 psig (21 barg)
temperature rating	575°F (302°C)
demineralized water consumption	250 ml per sample
demineralized water	40-100 psig (2.7-7 barg); 1/4 in comp fitting
instrument air	75-150 psig (5-10 barg); 1/4 in comp fitting
drain connection	1/4 in comp fitting
sample size per stroke	10 cc or 25 cc
voltage	100-240VAC 50/60 Hz
sample bottle	125 ml or 250 ml
air consumption per sample	10 scfh

sentry-equip.com

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