



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

SENTRY HTHV SAMPLER

Low Emission Samplers

MANUAL SAMPLING

The Sentry HTHV closed loop sampler is specifically designed to provide a safe sampling method for high-temperature high-viscosity applications such as hot oil and slurries. Enclosing the system and allowing the operator to view the process through a viewing window provides extra safety. Designed to the highest quality standards and to the most precise specifications, the HTHV sampler is ideally suited to use in the petrochemical, refinery, chemical and specialty gas industries.

MODELS

HTHV

BENEFITS

The HTHV sampler is designed to take a high temperature sample that would thicken at lower temperatures, while keeping the operator safe. The multi-turn valve allows for throttling the sample flow while the hardened seat ensures abrasive particles can be sampled without causing leaks.

FEATURES

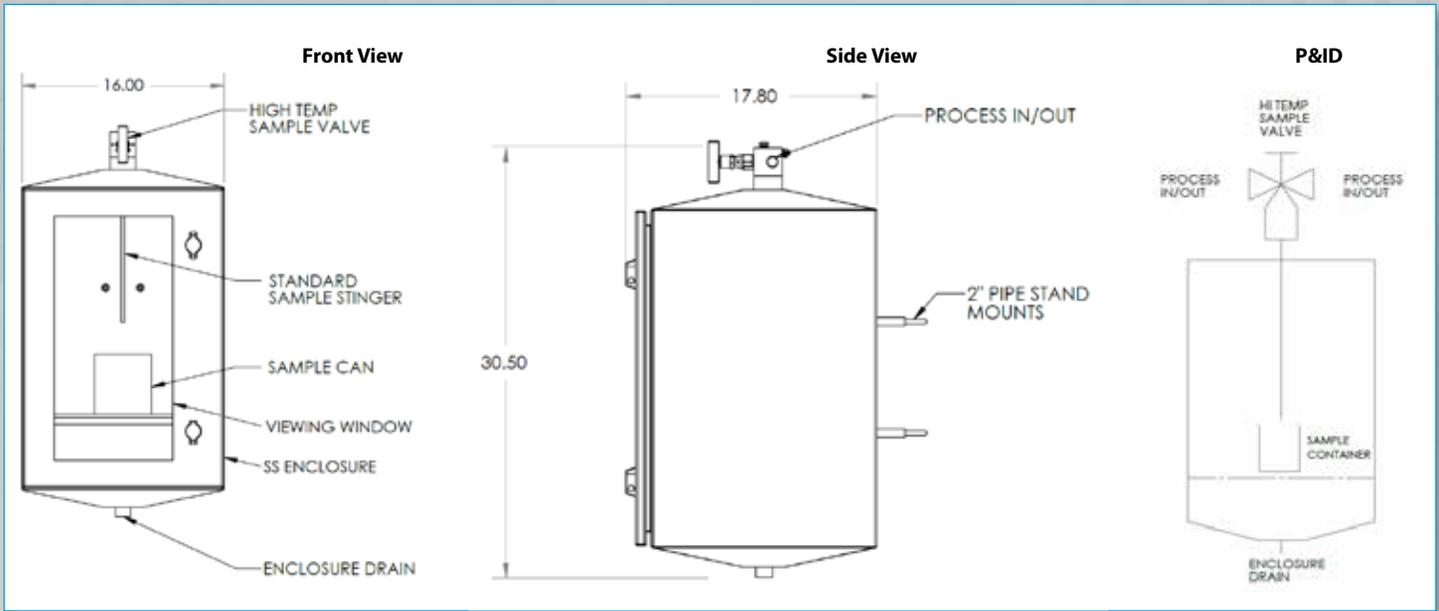
- Safe sampling for high temperature high viscosity applications
- Flow-through HTHV valve allows constant representative process flow for immediate sampling, and prevents process from stagnating and clogging
- Available steam jacketing of entire sampler to prevent plugging or cold spots
- Multi-turn valve with hardened seat allows throttling of sample flow
- Step-by-step instruction tag and valve labels for simple operation
- Steam-jacketed stinger
- Enclosure with viewing window protects operator during sampling operation
- Big bore HTHV valve available with 1/4-inch orifice to handle larger particles and higher viscosity flows
- Double-block valve available when secondary isolation is necessary
- Designed for the following applications:
 - Hot oil
 - Residual oil
 - Vacuum tower bottoms
 - Slurries
 - Asphaltenes



Sample. Monitor. Measure.

SENTRY

Any Application. Anywhere.



SPECIFICATIONS

wetted materials	body: 316/316L stainless steel (other materials available upon request) stem tip: ceramic (other materials available upon request) seals: Grafoil
pressure rating	3000 psig max at 100°F (final rating dependent upon connection selection)
process temperature	750°F max
sampler interface	1/2 in threaded connection 3/4 in spool piece with 150# flange ["wide range of connections available, depending on valve selection"]
enclosure	stainless steel enclosure with viewing window and expanded metal
container size	1 gallon (standard)
options	pipe stand (2 in) process isolation valves (inlet and/or return) steam-jacketed stinger secondary isolation N ₂ or steam purge Eductor on encloser Double block valve

sentry-equip.com

966 Blue Ribbon Circle North, Oconomowoc, WI 53066 U.S.A. | +1-262-567-7256 | sales@sentry-equip.com

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