



# SENTRY ISOLOK API-PA SAMPLER

## Point Samplers

### AUTOMATIC SAMPLING

The Sentry® ISOLOK® API-PA sampler is an anvil piston instrument (API) probe sampler used in-line and specifically designed to handle the most demanding hydrocarbon liquid applications. The ISOLOK API-PA sampler employs a 180-degree pneumatic actuator and is ideally suited for sampling a variety of liquids, especially crude oil, condensate, and mixtures of oil and water. The ISOLOK API-PA sampler is ideal for installing where product is well mixed.

#### MODEL

ISOLOK API-PA

#### BENEFITS

The pneumatically actuated ISOLOK API-PA sampler optimizes the accuracy and repeatability of hydrocarbon fluid sampling. The sampler offers superior performance and a long life, minimizing maintenance, accessories and service time needed.

The sampler's 180-degree pneumatic actuator and scotch yoke design provide consistent performance over a wide range of air supply conditions and process pressure and viscosities.

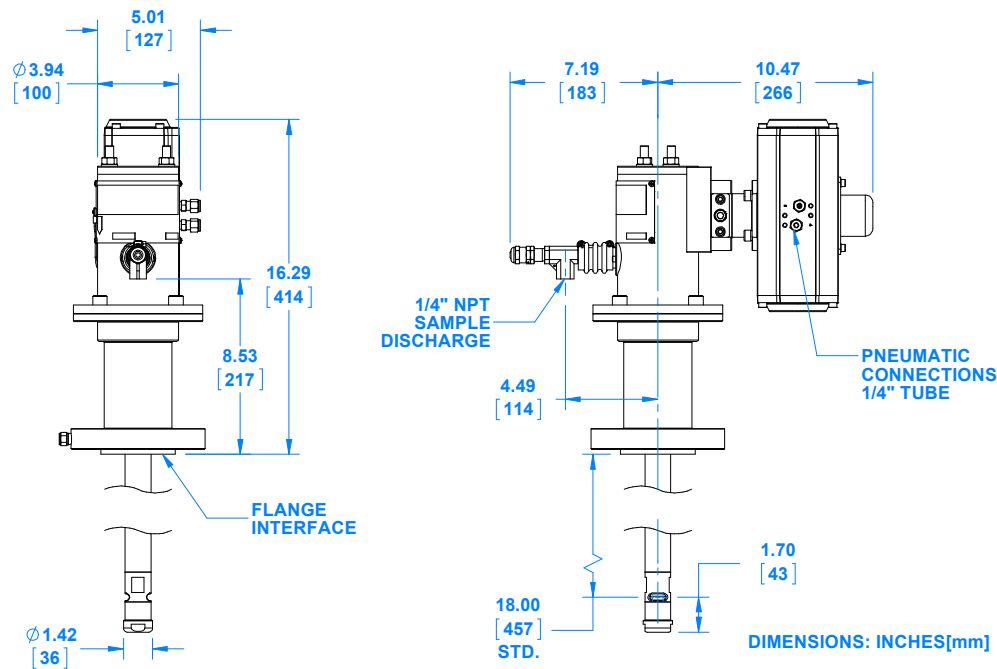
The optional diamond-like carbon (DLC) coating protects the unit from abrasion and enhances resistance against  $H_2S$ , mercaptans,  $SO_2$ , mercury and more.

#### FEATURES

- Provides a consistent fixed volume, employs a scotch yoke design, and features next generation seal design
- Standard rate of 20 samples per minute; faster rates available
- Available in standard 316 stainless steel wetted materials or Super Duplex steel for superior performance in demanding sediment or hydrogen sulfide applications
- ATEX rated and complies with API 8.2, ISO 3171 and ASTM D 4177 standards
- Probe lengths accommodate 4- to 52-inch diameter pipes
- **Options:** Diamond-like carbon (DLC) coating; ATEX rated and safe area controllers with touchscreen interfaces; receivers/constant pressure cylinders; weigh scales/level gauges; insertion & retraction tools; static mixers; switching valves; enclosures



Sample. Monitor. Measure.  
**SENTRY**  
Any Application. Anywhere.



## SPECIFICATIONS

viscosity range	0.5–8000 cSt
wetted materials	316 stainless steel standard (optional Duplex/Super Duplex 2205/2507 SS) or equivalent
optional coating on wetted parts	DLC (diamond-like coating) by DCD (dynamic compound deposition)
seal materials	carbon-filled PTFE seals with Viton® O-rings (others available)
seal temperature	-4°F to 500°F (-20°C to 260°C)
pressure rating	1480 psig at 100°F (102 barg at 38°C)
probe lengths	lengths to accommodate 4 in to 52 in diameter pipe
sample size (nominal)	1 cc per sample
grab sample repeatability	±2%
sampling rate	20 samples per minute*
flanges	2 in Class 300/600 RF
weight (approximate)	55 lb (25 kg)
utilities required	lubricated air, 54-145 psig (4-10 barg), 0.04 ft³ per sample at 60 psig (1133 cc per sample at 4.1 barg)

\* Higher sampling rate (samples per minute) available.



[sentry-equip.com](http://sentry-equip.com)

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S-LS-SPS-00421-5 01-18

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