



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

# SENTRY MT-2 MAGNETIC TRAP

## Sample Conditioning Components

### STEAM & WATER SAMPLING

Magnetite particles can cause huge problems within a sampling system by jamming and plugging components. The Sentry® MT-2 magnetic trap isolates magnetite particulates to protect sample conditioning and analytical instruments from critical downtime and costly repairs. The magnetic trap uses high strength neodymium magnets in its core to attract and capture the magnetite before it can cause damage, protecting Sentry VREL® control valves, flowmeters and analyzers.

To meet varying power plant needs, the magnetic trap is available in low- to high-pressure models, as stand-alone traps as well as complete valve assemblies.

#### MODELS

MT-2 medium-pressure model (with mounting bracket)

MT-2V medium-pressure model (with valve assembly)

#### BENEFITS

While conventional filters trap all particulates and choke off sample flow as the filtering media becomes plugged with contaminants, the Sentry MT-2 magnetic trap captures only entrained oxide particulate and lets the remaining particulates pass, protecting conditioning equipment while maintaining sample integrity.

#### FEATURES

- Designed specifically for the extreme conditions of power plants
- NEVER plugs
- Incorporates unique cyclonic cleaning action to scrub internal surfaces, and is purged of particle collection in place, requiring no tools or disassembly
- Single-stroke actuator and purge-in-place requires no tools or disassembly and prevents the introduction of O<sub>2</sub> into the sample stream
- Available as a stand-alone trap or as a complete assembly with all necessary components
- Hydrotested for simple field retrofit or new panel installation
- Designed for installation after primary cooling



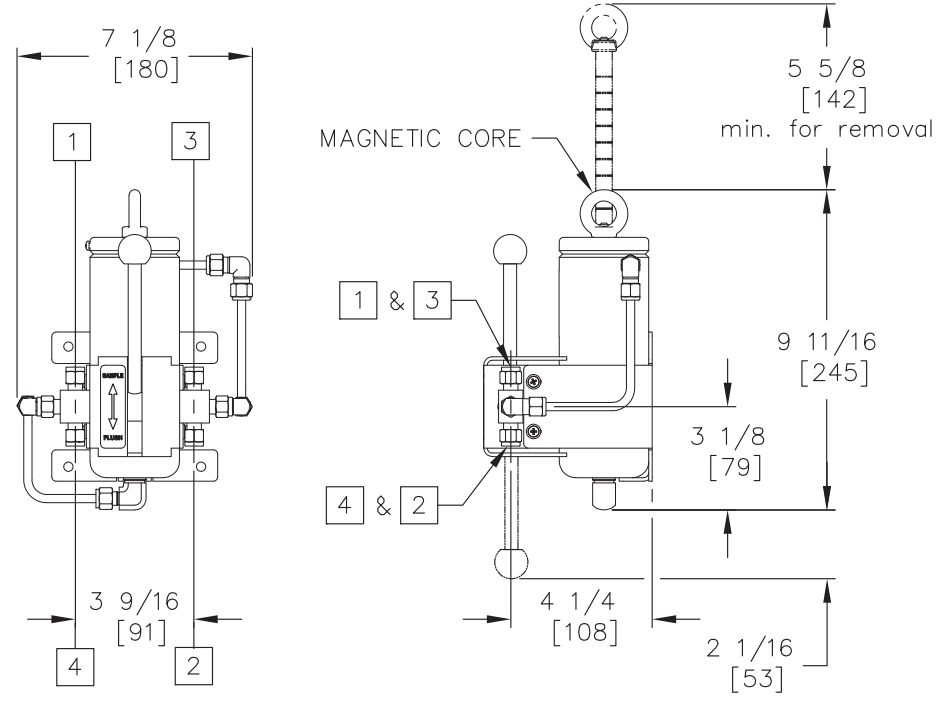
Sample. Monitor. Measure.

# SENTRY

Any Application. Anywhere.

CUSTOMER CONNECTIONS

- 1 SAMPLE INLET 1/4" COMP. (SS)
- 2 SAMPLE OUTLET 1/4" COMP. (SS)
- 3 FLUSH WATER INLET 1/4" COMP. (SS)
- 4 DRAIN 1/4" COMP. (SS)



**SPECIFICATIONS**

pressure ratings	2500 psig (172 bar) at 175°F (79°C)
flow rate	1200 cc per minute
wetted materials	316 SS
particle size	5 μm–1.4 mm
maximum particle loading	40 g

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

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