

SENTRY MAGNETIC TRAP MT-5

Magnetic Trap

SAMPLE CONDITIONING

Magnetite particles can cause huge problems within a sampling system by jamming and plugging components. The Sentry® MT-5 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-5 high-pressure model (with mounting bracket)

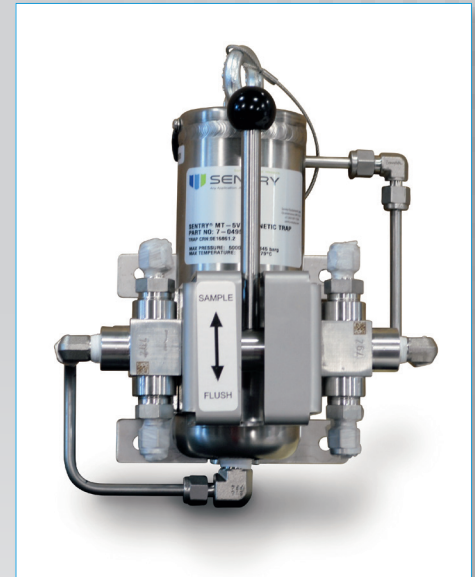
MT-5V high-pressure model (with valve assembly)

BENEFITS

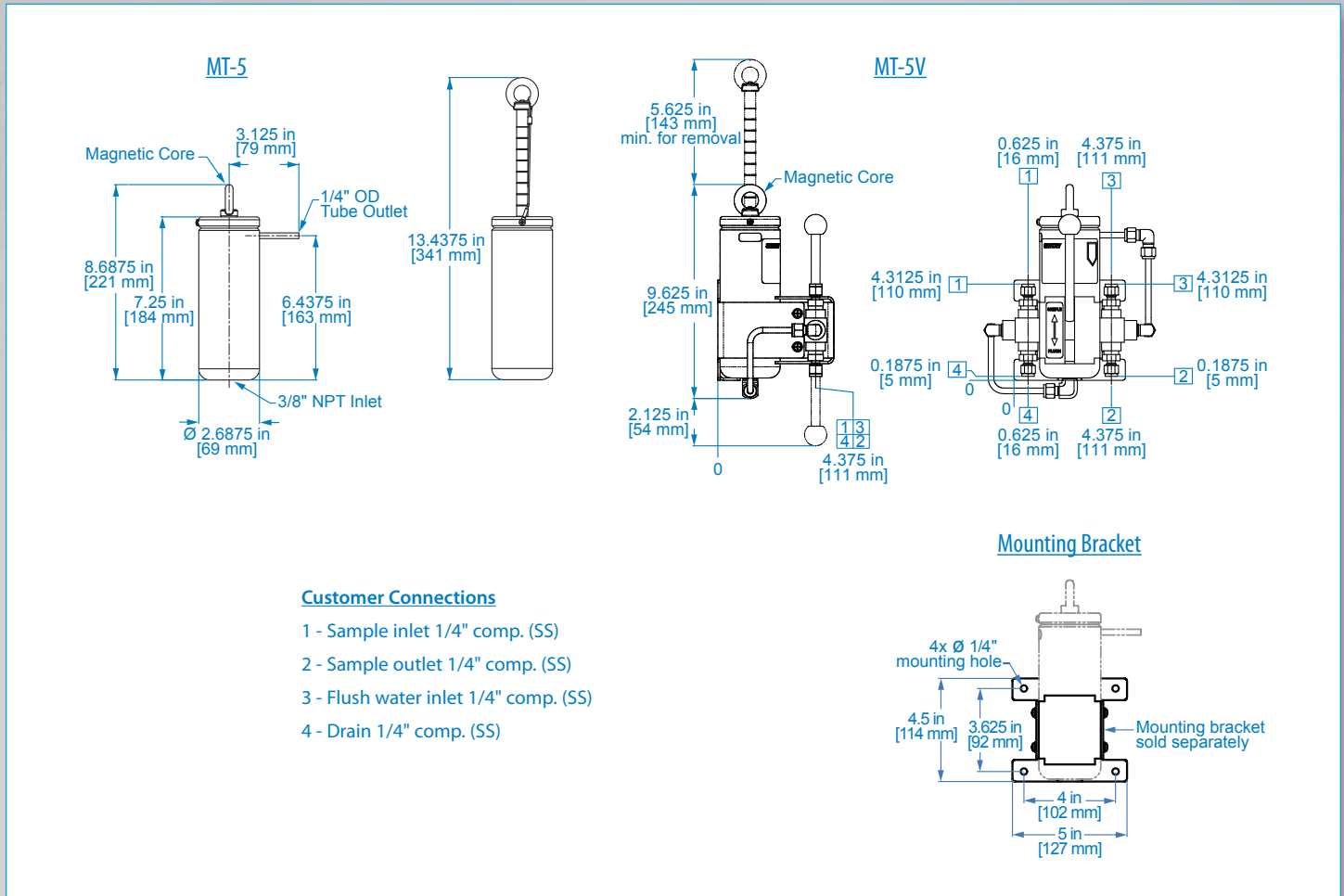
While conventional filters trap all particulates and choke off sample flow as the filtering media becomes plugged with contaminants, the Sentry MT-5 magnetic trap captures only entrained oxide particulate and lets the remaining particulates pass, protecting conditioning equipment while maintaining sample integrity.

FEATURES

- Designed specifically for the extreme conditions of power plants
- NEVER plugs
- Easy single-stroke cyclone flush requires only one operator, one turn of the handle, and 10 to 15 seconds of flushing
- 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 O₂ 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
- CRN approved



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



SPECIFICATIONS

pressure ratings	5000 psig (345 bar) at 175°F (79°C)
max flow rate	1200 cc per minute
wetted materials	316 SS
magnetic surface area	15.2 in ² (98 cm ²)

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