

# SENTRY MAGNETIC TRAP MT-1

## Magnetic Trap



### SAMPLE CONDITIONING

Magnetite particles can cause huge problems within a sampling system by jamming and plugging components. The Sentry® MT-1 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 analyzers.

To meet varying power plant needs, the magnetic trap is available in a low-pressure model.

#### MODEL

MT-1V low-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-1 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
- Spring-return air bleed bleeds any trapped air at start-up
- Large 8.8 in<sup>2</sup> (57 cm<sup>2</sup>) magnetic surface area captures over 60 g of magnetic particulate when operated within EPRI guidelines
- Hydrottested for simple field retrofit or new panel installation



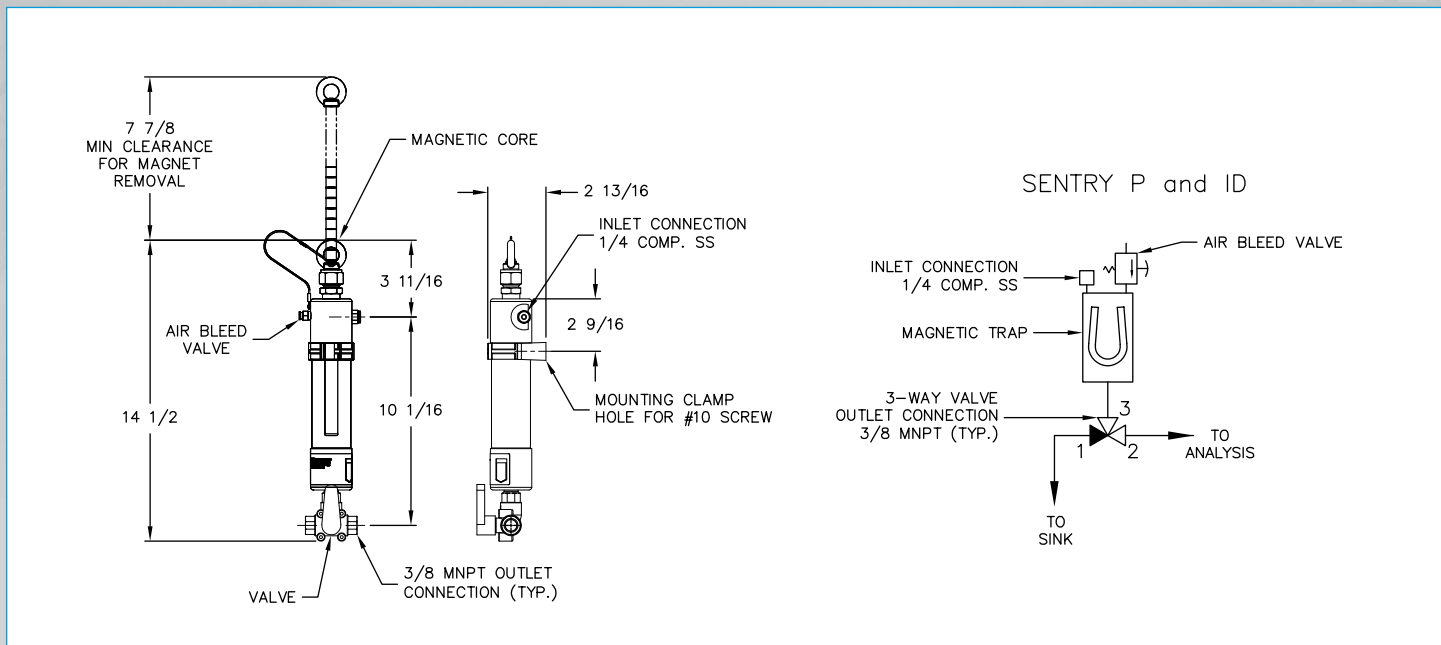
# DASTEC S.R.L.

Representantes / Distribuidores Exclusivos

Buenos Aires, Argentina  
Tel.: (54 - 11) 5352-2500  
Email: info@dastecsrl.com.ar  
Web: www.dastecsrl.com.ar



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



**SPECIFICATIONS**

<b>pressure ratings</b>	trap: 100 psig at 175°F (6.75 bar at 79°C) valve: 125 psig at 140°F (8.6 bar at 60°C)
<b>flow rate</b>	1200 cc per minute
<b>wetted materials</b>	316 SS, PDM, polycarbonate, glass-filled polypropylene, Buna-N
<b>particle size</b>	5 μm–1.4 mm
<b>maximum particle loading</b>	40 g



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 Web: www.dastecsr.com.ar

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