PRODUCT FEATURES

- **Low velocity zone and large dirt capture area:** Pipe velocity slows by a factor of 9 as fluid enters chamber. Unlike strainers which clog and cause increased pressure drop, debris is removed from the flow path and captured in lower bowl area, simplifying and reducing frequency of cleaning.

- **Robust mesh construction:** Unique dirt separation mesh uses deflection and gravity to separate dirt particles as small as 5 microns from flow stream. Concentric pattern design has low flow resistance resulting in 85% less pressure drop compared to same size y-strainer.

- **Powerful neodymium rare-earth magnets:** Magnetic field attracts and captures microscopic ferrous oxide impurities. Removes 2½ times the ferrous oxide compared to other dirt separators.

- **Clip-on magnetic ring and convenient purge valve:** Opening purge valve and removing magnetic ring releases captured magnetic impurities and purges all dirt without shutting down the system.

- **Top access port:** ½” npt top provides convenient chemical additive dosing port.

- **Corrosion resistant:** All components highly resistant to hydronic chemical additives or unstable pH fluid.

**Highly efficient 2-in-1 dirt and magnetic debris separation**

DIRTMAG® removes non-ferrous debris from systems as small as 5 microns. Ferrous debris forms in systems when iron or steel corrodes. This abrasive, extremely fine sediment is difficult to remove by traditional methods and can cause damage to heat exchangers and circulators. DIRT MAG® accomplishes 2½ times the ferrous oxide removal performance of other dirt separators, delivering up to 100% elimination efficiency.
CONSTRUCTION

APPLICATION DIAGRAM

<table>
<thead>
<tr>
<th>SIZES</th>
<th>MAX. FLOW RATE: (GPM)</th>
<th>CODE</th>
<th>PRESS</th>
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<tr>
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<td>2&quot;</td>
<td>39</td>
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</table>

U.S. Patent pending.

DIRTMAG® separators can be purchased with Boiler Treatment Kits, code numbers not listed here. See Caleffi List Price Catalog.

PERFORMANCE

- MAX. WORKING PRESSURE: 150 psi (10 bar)
- WORKING TEMPERATURE RANGE: 32 – 250°F (0-120°C)
- MAX. PERCENTAGE OF GLYCOL: 50%
- PARTICLE SEPARATION CAPACITY: 5 microns (0.2 mil)
- FERROUS IMPURITIES SEPARATION EFFICIENCY: up to 100%

FERROUS & NON-FERROUS DIRT SEPARATION

Separation mesh and magnetic field eliminate all forms of hydronic debris

Caleffi Partner: