



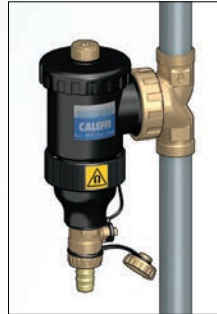
VERTICAL OR HORIZONTAL DIRTMAG®

CALEFFI
Hydronic Solutions



Heating & Cooling

Components for today's modern hydronic systems



PCT
INTERNATIONAL
APPLICATION
PENDING

FUNCTIONS AND FEATURES

- The DIRTMAG® removes both ferrous and non-ferrous impurities continuously in a sealed hydronic heating and cooling system.
- A powerful removable external magnetic ring attracts ferrous impurities with 2 ½ times the removal performance of a standard dirt separator.
- A removable magnetic ring and large drain valve make the DIRTMAG® quick and easy to flush collected dirt and ferrous impurities, including magnetite.
- DIRTMAG® will separate dirt particles down to 5 microns and up to 100% of ferrous impurities, including magnetite, during multiple passes of system fluid.
- A large low velocity zone dirt collection chamber reduces the frequency of cleaning, which can also be done while the system is operating.
- This multifunction device, with isolating valves, can also be used as a dosing point to inject chemical additives into the hydronic circuit.

CONNECTIONS



CODE	CONNECTION
NA545305	¾" NPT
NA545395	¾" sweat
NA545306	1" NPT
NA545396	1" sweat
NA545355	¾" union NPT with isolation valves
NA545356	1" union NPT with isolation valves
NA545365	¾" press

DIRT SEPARATION
FERROUS IMPURITIES REMOVAL

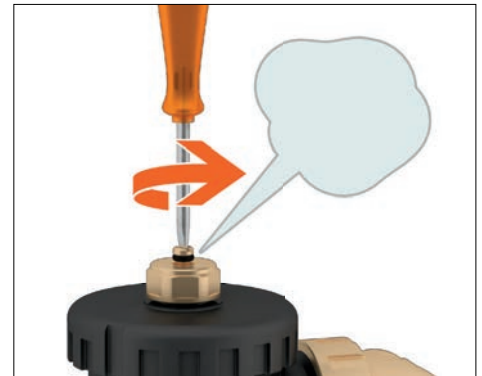
The DIRTMAG® low-velocity zone dirt separator with magnet efficiently removes particles to a very small size with very low pressure head losses compared to typical Y-strainers, reducing pumping demands.

The large dirt collection chamber requires infrequent cleaning, which is quick and efficient with an easy to use drain valve. Ferrous impurities, including magnetite, are trapped inside the collection chamber by a strong magnetic field created by a powerful removable external rare-earth magnet around the body below the flow valve for fast and effective capture, up to 100% elimination efficiency, and discharge.

DIRT DISCHARGE



AIR VENT



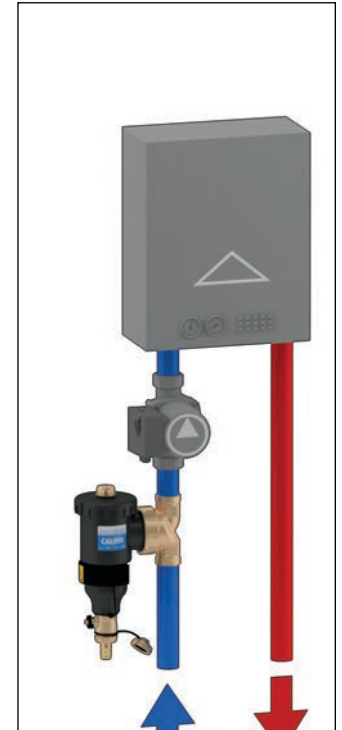
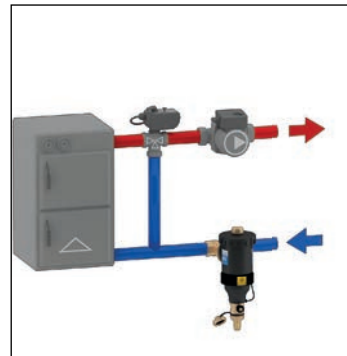
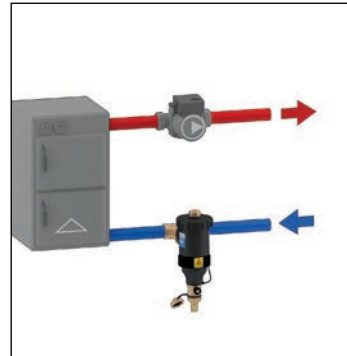
PERFORMANCE

MAX. WORKING PRESSURE	45 psi (3 bar)
WORKING TEMPERATURE RANGE	32 — 195 °F (0–90°C)
SUITABLE FLUIDS	water, glycol solutions
MAX. PERCENTAGE OF GLYCOL:	30%
DOSING FLUID CAPACITY	12 fl oz (0.35 l)
PARTICLE SEPARATION CAPACITY	up to 5 µm (0.2 mil)
FERROUS IMPURITIES REMOVAL EFFICIENCY	up to 100%

3D CROSS SECTION



APPLICATION DIAGRAM



03505-15NA

REFERENCE DOCUMENTATION: TECHNICAL BROCHURE 01240

