



DIRTMAG® PRO

DIRT SEPARATOR WITH DUAL MAGNETIC FIELDS
5463M SERIES

CALEFFI
Hydronic Solutions



PRODUCT FEATURES

■ Double the protection:

Captures two forms of debris that can damage or shorten the life of heat exchangers, circulators, valves and polymers: ferrous debris such as magnetite, and non-ferrous debris such as copper shavings, solder, lime-scale fragments, silica and pipe compound.

■ Concentric pattern collision media:

Unique dirt collision media uses low-flow velocity, 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.

■ Unique dual magnetic fields:

Two powerful neodymium rare-earth magnetic fields attract and capture ferrous oxide impurities and allow simple blowdown. No disassembly required.

■ Fast and easy clean hands purging:

Pull out the magnetic rod from drywell on top, unclip the external barrel magnetic collar and open the purge valve to simply release the captured magnetic and non-magnetic impurities.

■ Increased power:

Powerful magnetic pull rod mounted inside drywell and positioned directly in fluid flow path, external magnetic barrel collar and newly designed collision media function together to increase magnetic debris removal efficiency by 40%.

High performance dirt separation with trouble-free blowdown

The DIRTMAG® PRO incorporates patented technology and features dual magnetic fields that increase ferrous debris removal efficiency by 40%. The concentric pattern collision media inside the low-velocity zone efficiently separates non-ferrous debris. All debris is quickly purged from system via the blow down valve. No disassembly or scraping of magnetite from wetted magnets is required, which means clean hands for fast and easy servicing.

PRODUCT RANGE - DIRTMAG® PRO, Dirt Separator with dual magnetic fields

SIZES	MAX. FLOW RATE: (GPM)	CODE		
		NPT	SWEAT	PRESS
1"	9	546306AM	546328AM	546366AM
1¼"	15	546307AM	546335AM	546367AM
1½"	24	546308AM	546341AM	546368AM
2"	36	546309AM	546354AM	546369AM

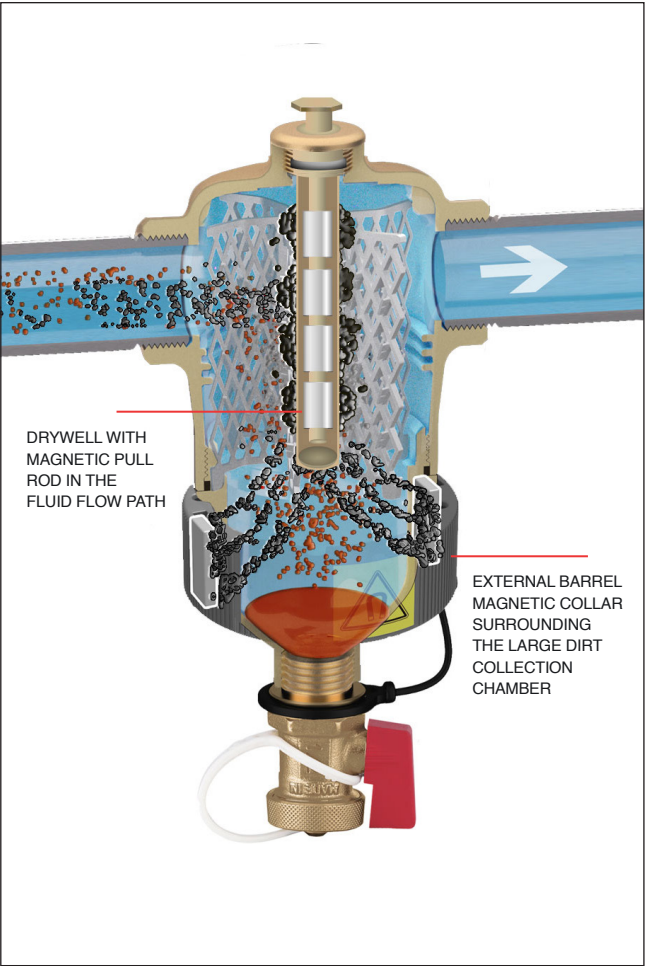
Patent No. US 9,925,543 B2



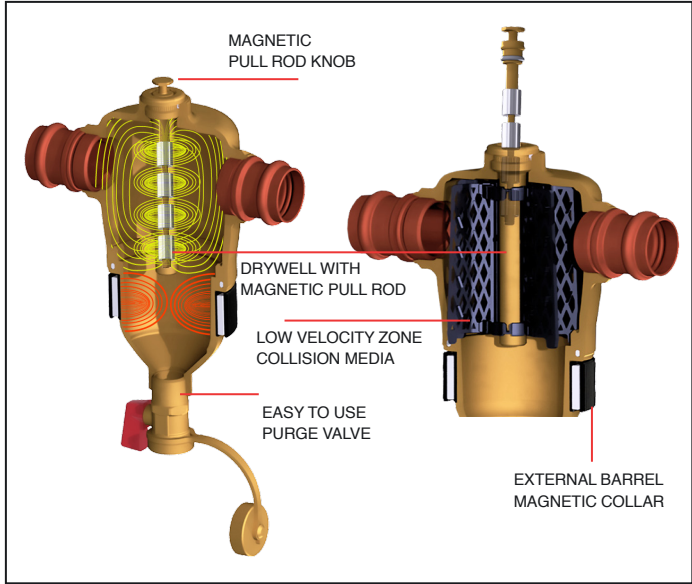
PERFORMANCE

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 µm (0.2 mil)
FERROUS IMPURITIES SEPARATION EFFICIENCY	up to 100%

CROSS SECTION ILLUSTRATION



CONSTRUCTION



Caleffi Partner:

WE RESERVE THE RIGHT TO CHANGE OUR PRODUCTS AND THEIR RELEVANT TECHNICAL DATA, CONTAINED IN THIS PUBLICATION, AT ANY TIME AND WITHOUT PRIOR NOTICE.



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