



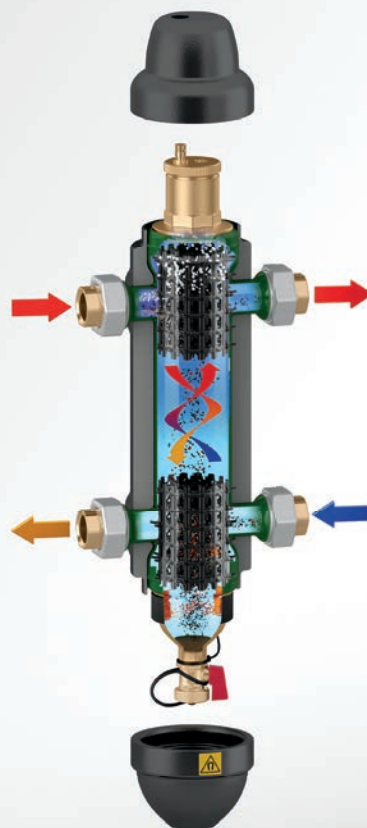
MULTI-FUNCTIONAL SEPARATOR SEP4™

CALEFFI
Hydronic Solutions



Heating & Cooling

Components for today's modern hydronic systems



FUNCTIONS AND FEATURES

- Hydraulic separation: creates low pressure loss zone, making connected primary and secondary circuits hydraulically independent; flow in one circuit does not interfere with flow in the other.
- Microbubble air separation: the widening of the cross section decreases the flow velocity and the internal element facilitate the release of microbubbles.
- Microparticle dirt separation: The internal element separates and collects all the particles in the dirt collection chamber. Collected particles are discharged with the drain valve, even with the system operating.
- Magnetic separation of ferrous impurities: the powerful, external rare earth magnet captures ferrous impurities. Removing the magnetic ring allows for discharging through drain valve even with system operating.

PRODUCT RANGE - 5495 SERIES



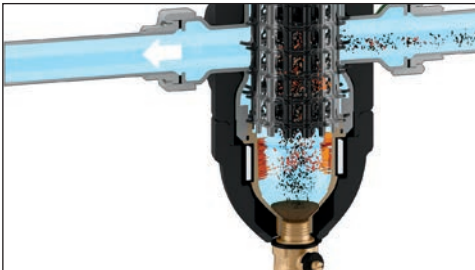
CODE		SIZES	MAX. FLOW RATE: (GPM)
NPT	SWEAT		
549506A	549596A	1"	11
549507A	549597A	1¼"	18
549508A	549598A	1½"	26
549509A	549599A	2"	37

PERFORMANCE

MAX. WORKING PRESSURE	150 psi (10 bar)
WORKING TEMPERATURE RANGE	32 — 210°F (0-100°C)
MAX. PERCENTAGE OF GLYCOL:	50%
AIR SEPARATION EFFICIENCY	100% to micro bubble level
PARTICLE SEPARATION CAPACITY	up to 5 µm (0.2 mil)
FERROUS IMPURITIES REMOVAL EFFI-	up to 100%

OPERATING PRINCIPLE

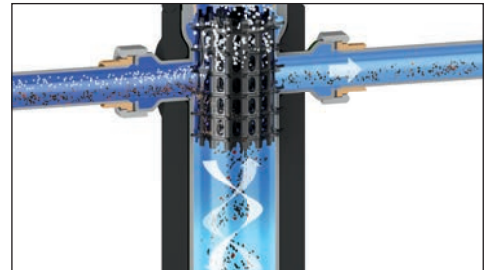
1) HYDRAULIC SEPARATION



2) AIR SEPARATION



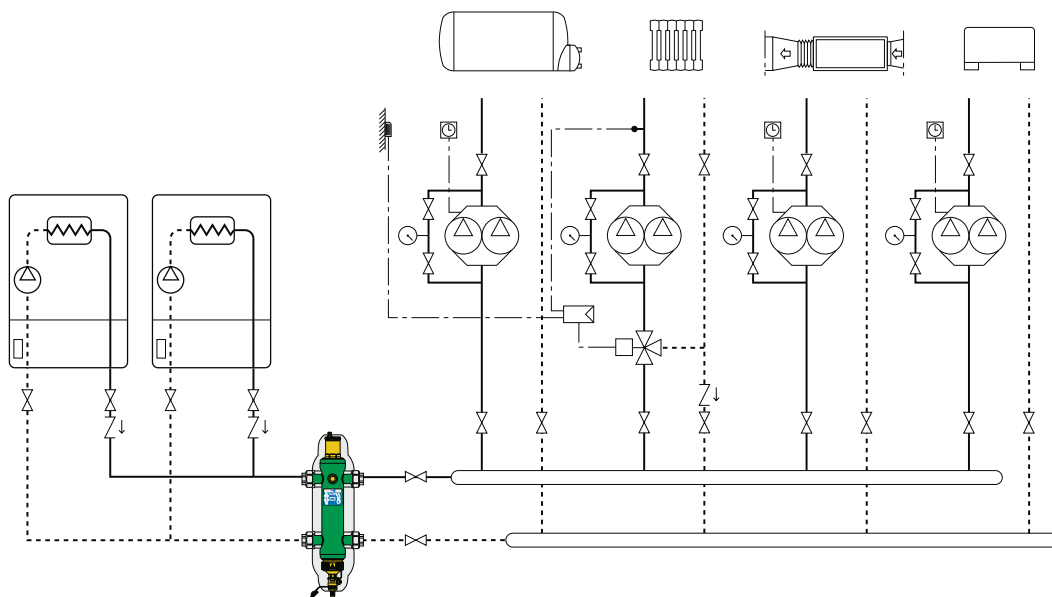
3) DIRT SEPARATION



4) MAGNETIC REMOVAL OF FERROUS IMPURITIES



APPLICATION DIAGRAM



REFERENCE DOCUMENTATION: TECHNICAL BROCHURE 01249



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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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