



## SEP4™ MULTIFUNCTION (4-IN-1) HYDRAULIC SEPARATOR

**CALEFFI**  
Hydronic Solutions



Heating & Cooling

Components for today's modern hydronic systems



## PRODUCT FEATURES

### ■ Four functions combined into one device:

Minimizes components and labor costs for system requiring primary/secondary piping. Separate air and dirt separators not required.

### ■ Internal upper and lower mesh element:

Causes micro-bubbles to collect and coalesce for efficient air separation. Deflects and collects both ferrous and non-ferrous debris down to 5 microns size.

### ■ Powerful neodymium rare-earth magnet:

Attracts ferrous impurities with 2 ½ times the removal performance of a standard dirt separator.

### ■ Unique geometry and design:

Prevents pump conflict by hydraulically de-coupling primary and secondary circuits. Preserves design flow in all circuits.

### ■ Anti-rotation/anti-vibration pinned float:

Creates space between float and air vent wall to prevent float hang-up from debris formation. Enables needle valve to reliably vent out collected air.

### ■ Additional value-added features:

Convenient union press, sweat and NPT connections, ½" thermowell tap, pre-formed insulation jacket and easy-to-use drain valve.

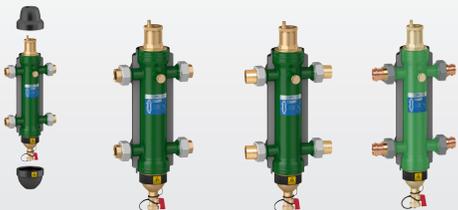
## High performance multi-function hydraulic separator

The Caleffi SEP4™ saves on system installation and maintenance costs with four high performance functions combined into one device: hydraulic separation, micro-bubble coalescing air separation, dirt separation and magnetic separation. Includes thermowell tap, pre-formed insulation jacket and easy-to-use drain valve. Constructed of corrosion-resistant functional parts for a long, trouble free operating life.

## PRODUCT RANGE - SEP4™

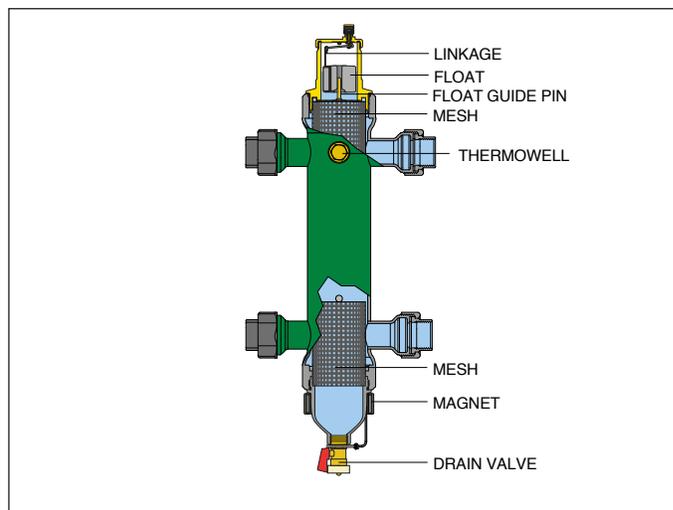
SIZES	FLOW RATE: (GPM)	CODE		
		NPT	SWEAT	PRESS
1"	11	549506A	549596A	549566A
1¼"	18	549507A	549597A	549567A
1½"	26	549508A	549598A	549568A
2"	37	549509A	549599A	549569A

All models include pre-formed insulation shell.



U.S Patent pending.

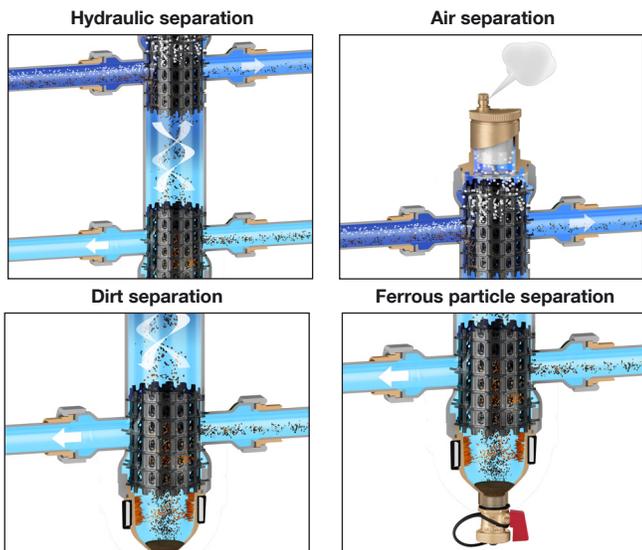
## CONSTRUCTION



## PERFORMANCE

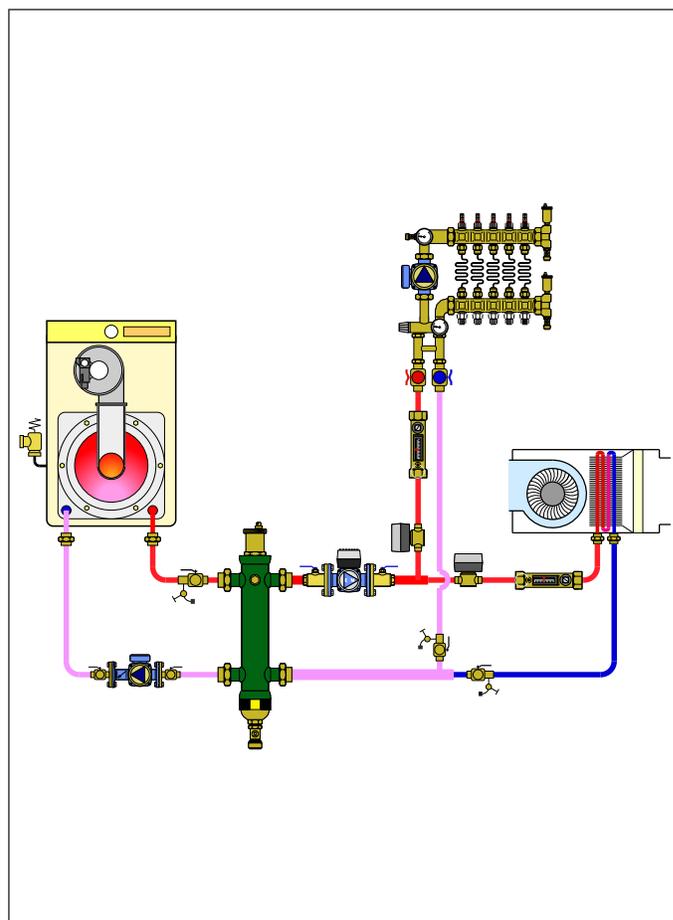
MAX. WORKING PRESSURE	150 psi (10 bar)
WORKING TEMPERATURE RANGE	32 — 210°F (0-120°C)
MAX. PERCENTAGE OF GLYCOL	50%
AIR SEPARATION EFFICIENCY	up to 100%
PARTICLE SEPARATION CAPACITY	up to 5 micron (0.2 mil)
FERROUS IMPURITIES REMOVAL EFFICIENCY	up to 100%

## 4-IN-1 SEPARATION



Caleffi Partner:

## APPLICATION DIAGRAM



ONLINE  
CATALOG

**CALEFFI**  
Hydronic Solutions

03515-17 NA

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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