



## DISCAL®

### MICRO-BUBBLE AIR SEPARATORS

**CALEFFI**  
Hydronic Solutions



Heating & Cooling

Components for today's modern hydronic systems



## PRODUCT FEATURES

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

Creates space between float and air vent wall to prevent float hang-up from debris or variations in separator installation orientation.

### ■ Large-diameter chamber:

Slows fluid flow dramatically. Combines with concentric, sharp-edged mesh design to cause micro-bubbles to efficiently collect and coalesce. Highly effective automatic air elimination.

### ■ Anti-corrosion coalescing mesh:

Constructed of glass-filled nylon. More resistant to dissolved oxygen and acidic fluids than plated metals.

### ■ Robust stainless steel float linkages:

Reliable float alignment even during turbulent conditions such as filling from bottom.

### ■ Corrosion resistant:

All components highly resistant to hydronic chemical additives or unstable pH fluid.

### ■ Optional service check valve:

Allows expansion tank removal without purging system.

## High performance, long-lasting air elimination

Dissolved oxygen and other gasses within hydronic systems can cause excessive corrosion and sediment formation. The Caleffi DISCAL® micro-bubble coalescing air separator with high discharge capacity and unique chamber design, automatically and efficiently rids system gasses. A very robust design and 100% anti-corrosion components enable DISCAL® to provide a long, trouble free life.

## PRODUCT RANGE - DISCAL®

| SIZES  | MAX. FLOW RATE: (GPM)* | CODE       |            |            |               |                 |
|--------|------------------------|------------|------------|------------|---------------|-----------------|
|        |                        | NPT        | SWEAT      | PRESS      | NPT COMPACT** | SWEAT COMPACT** |
| 3/4"   | 6                      | 551005A(C) | --         | --         | 551003A(C)    | 551022A(C)      |
| 1"     | 10                     | 551006A(C) | 551028A(C) | 551066A(C) | --            | --              |
| 1 1/4" | 15                     | 551007A(C) | 551035A(C) | 551067A(C) | --            | --              |
| 1 1/2" | 22                     | 551008A(C) | 551041A(C) | 551068A(C) | --            | --              |
| 2"     | 39                     | 551009A(C) | 551054A(C) | 551069A(C) | --            | --              |

\*4 feet per second fluid velocity.

\*\*SST mesh.

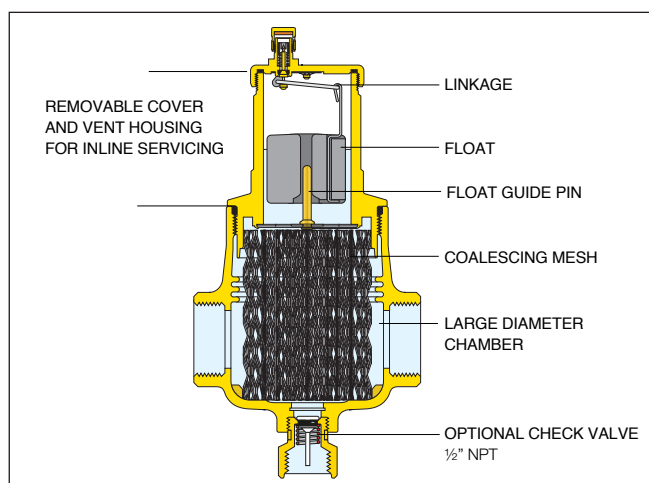
(C) automatic 1/2" service check valve included.



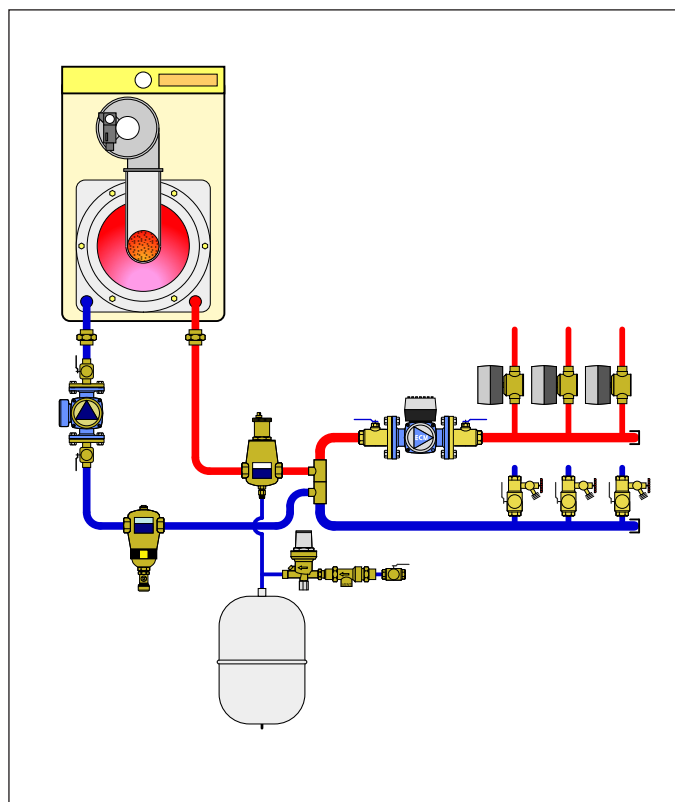
## PERFORMANCE

|                           |                      |
|---------------------------|----------------------|
| MAX. WORKING PRESSURE     | 150 psi (10 bar)     |
| WORKING TEMPERATURE RANGE | 32 — 250°F (0-120°C) |
| MAX. PERCENTAGE OF GLYCOL | 50%                  |
| AIR SEPARATION EFFICIENCY | up to 100%           |

## CONSTRUCTION



## APPLICATION DIAGRAM



Caleffi Partner:



**CALEFFI**  
Hydronic Solutions

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