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®

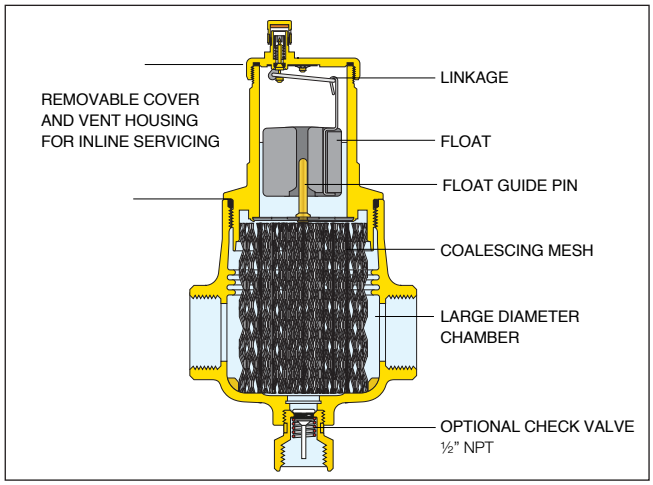
SIZES	MAX. FLOW RATE: (GPM)*	CODE				
		NPT	SWEAT	PRESS	NPT COMPACT**	SWEAT COMPACT**
¾"	6	**551**005A(C)	--	--	**551**003A(C)	**551**022A(C)
1"	10	**551**006A(C)	**551**028A(C)	**551**066A(C)	--	--
1¼"	15	**551**007A(C)	**551**035A(C)	**551**067A(C)	--	--
1½"	22	**551**008A(C)	**551**041A(C)	**551**068A(C)	--	--
2"	39	**551**009A(C)	**551**054A(C)	**551**069A(C)	--	--

*4 feet per second fluid velocity.
**SST mesh.
(C) automatic ½" service check valve included.

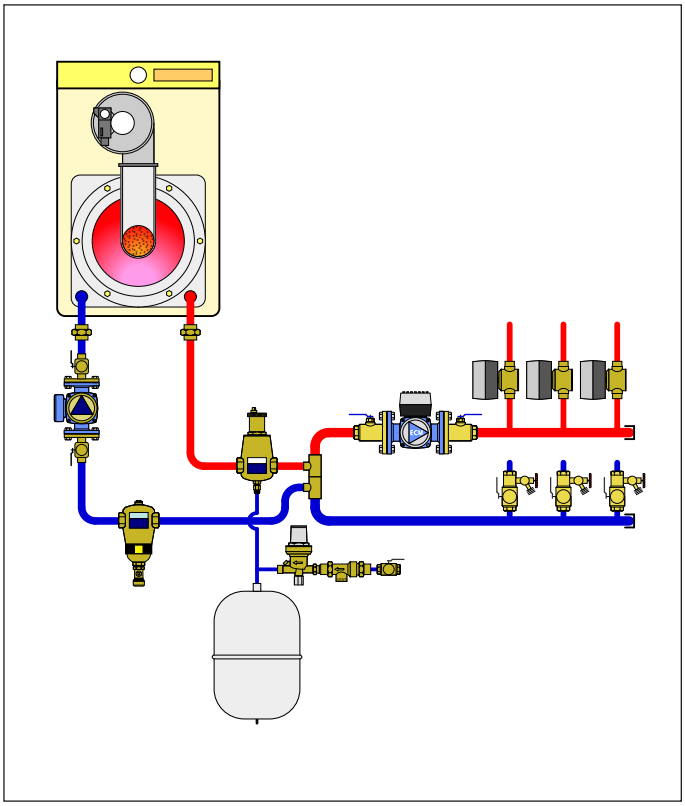
PERFORMANCE

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:

ONLINE CATALOG

CALEFFI Hydronic Solutions

03603-18 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.

Caleffi North America, Inc.
sales@caleffi.com · www.caleffi.com
© Copyright 2018 Caleffi North America, Inc.