



DISCAL®
MICRO-BUBBLE AIR SEPARATORS
551 SERIES



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 air elimination

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

PRODUCT RANGE -DISCAL® Air Separators

SIZES	MAX. FLOW RATE: (GPM)*	CODE				
		NPT	SWEAT	PRESS	NPT COMPACT**	SWEAT COMPACT**
¾"	6	551005A(C)	--	--	551003A(C)	551022A(C)
1"	10	551006A(C)	551028A(C)	551066A(C)	--	--
1¼"	15	551007A(C)	551035A(C)	551067A(C)	--	--
1½"	22	551008A(C)	551041A(C)	551068A(C)	--	--
2"	39	551009A(C)	551054A(C)	551069A(C)	--	--

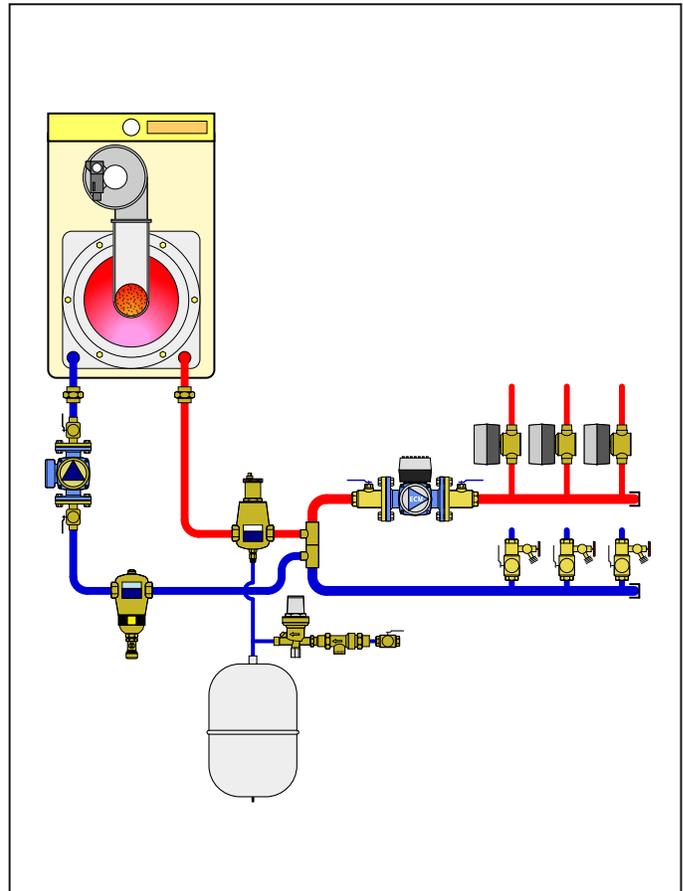
*4 feet per second fluid velocity.
 **SST mesh
 (C) automatic ½" service check valve included.



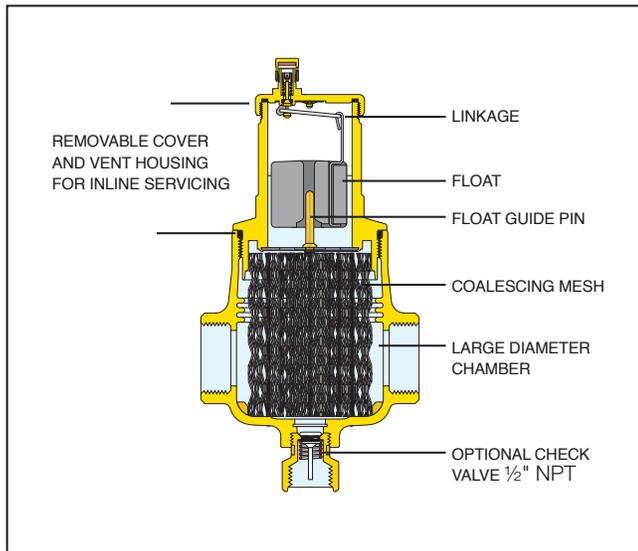
PERFORMANCE

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%

APPLICATION DIAGRAM



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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