

MINICAL[®] Automatic air vents

5020 - 5021 series



Submittal Data 02907 NA — Issue Date 04/2015

Application

Automatic air vents are designed to remove trapped air that accumulates in heating and air conditioning systems automatically. Air removal enhances performance and life of a system by reducing the affects of:

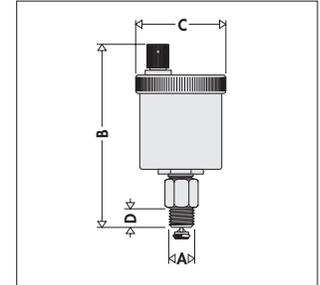
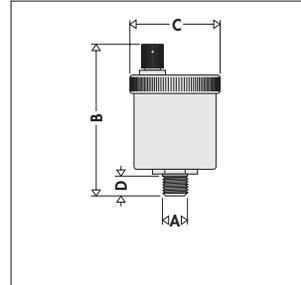
- corrosion due to the oxygen;
- pockets of air trapped in the heating emitters;
- cavitation in the circulation pumps.

The check valve on the 5021 series allows for easy replacement of the air vent without purging the system.

Typical Specification

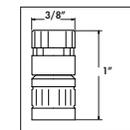
Furnish and install on the plans and described herein, a Caleffi MINICAL[®] automatic air vent as manufactured by Caleffi. Each air vent must be designed with a brass body and cover. The air vent must include a polypropylene float, brass valve stem, stainless steel vent wire lever and spring, and EPDM o-rings. Provide with anti-suction air vent cap, part number 562100. (See product instructions for specific installation information.)

Dimensions



Code	A	B	C	D	Weight (lb)
502015A	1/8" NPT	3 1/8"	1 7/8"	3/8"	0.4
502043A	1/2" NPT	3 1/8"	1 7/8"	3/8"	0.6

Code	A	B	C	D	Weight (lb)
502115A	1/8" NPT	3 11/16"	1 7/8"	3/8"	0.4



562100 anti-suction air vent cap

Technical Data

Materials

Body and cover:	brass
Float:	polypropylene
Valve stem:	brass
Vent wire lever:	stainless steel
Spring:	stainless steel
Seals:	EPDM

Performance

Suitable Fluids:	water, glycol solution
Max. percentage of glycol:	30%
Max. working pressure:	150 psi (10 bar)
Max. discharge pressure:	
-502015A, 502115A	40 psi (2.5 bar)
-502043A	60 psi (4.0 bar)
Max. discharge rate:	1.75 scfm (0.82 l/s)
Max. working temperature:	
-502015A, 502043A	250°F (120°C)
-502115A	230°F (110°C)

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system.

Job name _____
Job location _____
Engineer _____
Mechanical contractor _____
Contractor's P.O. No. _____
Representative _____

Size _____
Quantity _____
Approval _____
Service _____
Tag No. _____
Notes _____