FUNCTION

The automatic air vent valve, Art.S128, has the function of eliminating the air that accumulates inside the systems without the need for manual intervention.
This avoids corrosion, air pockets located in the heating bodies and cavitation in the circulation pumps.

PRODUCT

Article	*Code*	*Description*	*Size*
S128	93S128AC05	Automatic air vent valve for solar system	G 3/8" M
S128	93S128AD05	Automatic air vent valve for solar system	G 1/2" M

TECHNICAL FEATURES

Performance

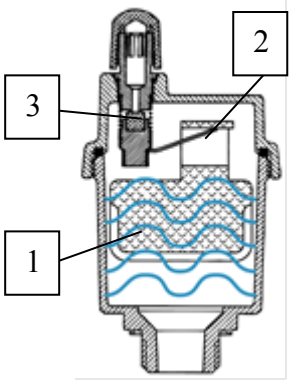
Body and cover:	Brass CB754S - UNI EN 1982:2008
Cap, jumper, handle:	Brass CW 614 N - UNI EN 12164
Floater:	CAPILENE G78 TF MFI 3
O-Ring:	Red silicone

Materials

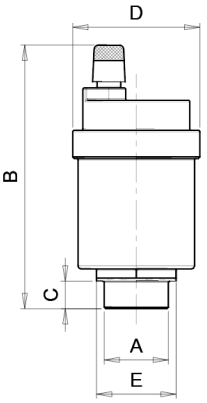
Working fluid:	Water and glycol solutions
Max percentage of glycol:	30%
Max working temperature:	180 °C peaks
Max working pressure:	10 Bar
Max discharge pressure:	2,5 Bar

OPERATING PRINCIPLE

The accumulation of air bubbles in the valve body causes the lowering of the level of the liquid contained in it and consequently the descent of the float (1) downwards.
The downward float pulls down the lever (2) which being connected directly to the obturator (3) entails the opening and the consequent expulsion of the excess air.
The expulsion of the air continues until the liquid level returns to the quiet position, in this way the float rises and the shutter closes again.
This operating system is fully automatic and is guaranteed as long as the system pressure does not exceed the declared maximum discharge pressure of 2.5 bar.



DIMENSIONS



CODE	*A*	*B*	*C*	*D*	*E*
93S128AC05	*G 3/8"*	*76,5*	*8*	*42*	*Ch.22*
93S128AD05	*G 1/2"*	*76,5*	*8,5*	*42*	*Ch.27*

INSTALLATION

The air vent valves must be installed in a vertical position.
It is recommended to install them in the points of the installation where the possibility of air pockets is expected.
During normal operation the upper cap must be loosened.
The installation of these valves in places where there is risk of frost is not recommended.

ICMA S.p.a. via Garavaglia, 4 20012 Cuggiono (MI) – ITALIA
Tel. +39 02 97249134 / +39 02 97249135
www.icmaspa.it e-mail: sales@icmaspa.it