Data sheet



Floorheating, Accessories

Automatic air ventilation valve

Description

When the body of the air vent fills with liquid, the float rises and closes the air outlet via the lever mechanism. As air accumulates in the air vent body (or when the system is drained and water is removed from the system), the float drops, opening the air outlet to release trapped air.

Features & benefits

- Automatic air removal
- Includes a non-return valve for service and replacement without draining the system
- Improved System Efficiency: Ensures that water can circulate freely without air pockets, leading to optimal heating performance
- Corrosion Prevention: Protects metallic components from corrosion by removing trapped air
- Reduced Maintenance: Eliminates the need for manual air removal

Applications

The automatic air vent is designed to remove air accumulations from floor heating manifolds and pipe circuits in hydronic floor heating systems. It ensures efficient operation by preventing air pockets.

Ordering

Product code numbers

Type	Description	Code number
Accessories for manifolds	Automatic air ventilation valve	088U0945

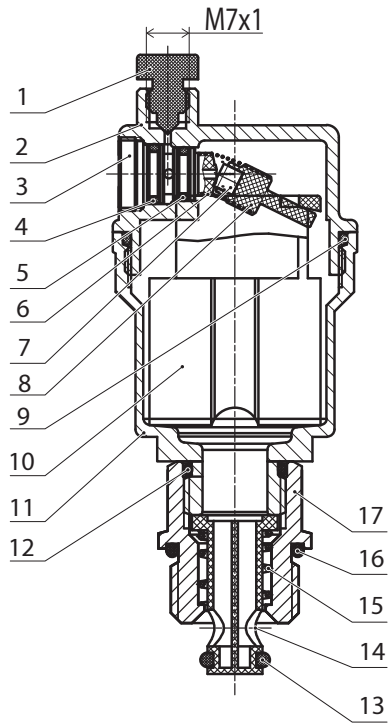
Product details

General data

Table: Technical specifications

Material	Brass, nickel plated
Maximum operating temperature	115 °C
DN	10 mm
PN	10 bar
Air vent connection size	G 3/8
Non-return valve connection size	G 1/2
Maximum glycol concentration	40 %

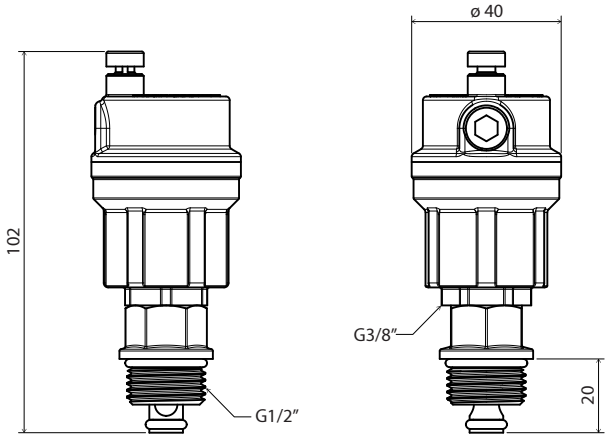
Design



No.	Name	Material
1	Exhaust valve screw	Plastic
2	Exhaust valve pressure cap	Brass, nickel plated
3	Service plug	Plastic
4	O-ring	EPDM
5	O-ring	EPDM
6	Spring	Stainless steel
7	Rubber gasket	Silicone rubber
8	Tie rod	Plastic
9	O-ring	EPDM
10	Counterweight	PP
11	Nickel-plated exhaust valve body	Brass
12	O-ring	EPDM
13	O-ring	EPDM
14	Jack	PP
15	Spring	Stainless steel
16	O-ring	EPDM
17	Connecting nut	Brass, nickel plated

Dimensions

Figure: Automatic air ventilation valve



Installation

The automatic air vent should be installed at the highest point of the floor heating system (typically on the manifold) in a vertical position.

A non-return valve is located between the floor heating manifold and the air vent, allowing servicing or replacement of the manifold without draining the system.

After installing the air vent, the safety cap located on the device cover must be unscrewed by half a turn.

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Issuer	Approval topic
Export Control Declaration	Manifolds	Danfoss	

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