



MKL

MICROVENT

Lateral automatic air vent valve. CW617N brass body and cover. **Pre-sealed** with O-ring. PN 10 bar. Maximum temperature: 110°C. Also suitable for water with additive (glycol up to 50%).

Type	Part No.	DN	Weight (g)
MKL	61992272	3/8"	140
MKL	61991129	1/2"	140



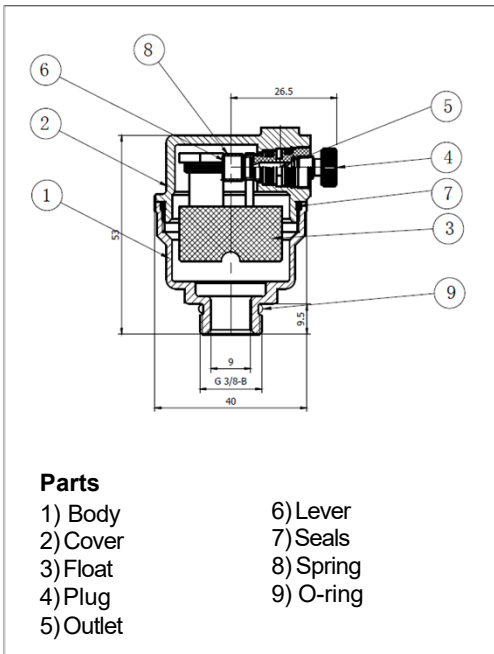
MKLR

MICROVENT

MKL Series lateral automatic air vent valve with **RIA pre-sealed** automatic shut-off valve.

Type	Part No.	DN	Weight (g)
MKLR	61990959	3/8"	165

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Technical features

Maximum operating pressure	10 bar
Maximum operating temperature	110°C

Features

Body	CW617N brass
Cover	CW617N brass
Float	PE
Plug	PE
Outlet	PA
Lever	PA
Seals	EPDM
Spring	Stainless steel
Connections	M 3/8" or 1/2" DIN-ISO 228/1

Operation

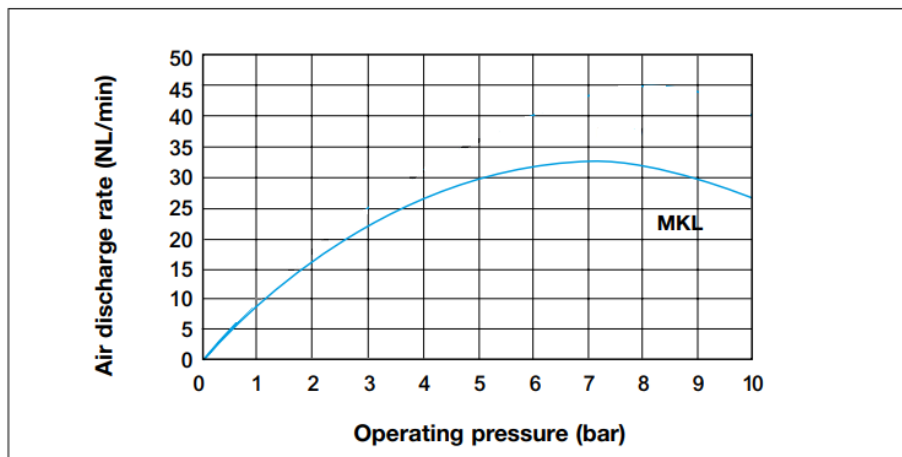
Automatic operation of air vent valves is based on a float system ensuring a tight seal: valve opening and closing is determined by the movement (up-down) of the float. When there is air in the valve, the force of the float weight acts on the lever which is integral with the disc, thus causing it to move down. In this situation the seat is free and allows the air to be vented out of the system. As the system fills with water, the air trapped in the water circuit is pushed out through the valves. As soon as all the trapped air is discharged, the water entering the tank pushes the float up. As a result, the lever causes the disc to press against the seat, thus sealing the system and preventing the heat carrier fluid from flowing out. The design of this device enables air to be discharged from the system automatically while it is being emptied. **RIA Series** check valves can be used to carry out maintenance work while the system is pressurised. The operation of the check valve is based on a spring-loaded device, which is sensitive to system pressure and ensures pressure-tightness by means of EPDM O-rings when there is no air vent valve.

The reliability of the air vent valves is ensured by a Series of tests carried out on 100% of products to check that the body and its components are watertight.

Charts

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Air discharge rate - Operating pressure



Installation

MICROVENT valves are normally installed:

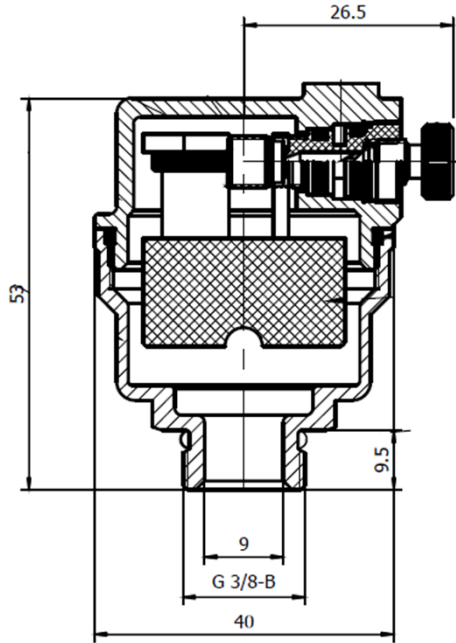
- at the tops of risers in heating systems with a closed expansion vessel;
- on distribution manifolds;
- directly in the boiler.

For maximum air venting efficiency, install the valves at points where the water speed is relatively low.

After installation, to ensure optimum air venting, unscrew the protection cap by at least two turns (this will provide the venting characteristics shown in the diagrams above).

Overall dimensions (mm)

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