



Diaphragm anti-siphon valve MAV



Benefits

- Safe height 1-4 m
- With shut-off and venting function
- Incl. lead sealing kit
- Proofed Barrier (odour-tight)
- Materials resistant to biofuel and biodiesel mixtures with max. 30 % FAME
- Green fuels ready: suitable for use at tank facilities filled with the new paraffinic fuels HVO or GTL
- Watertight up to 10 m water column - ideal for use in flood hazard areas



Application

For oil carrying suction lines in fuel oil consuming systems where a pipe section is below the maximum tank level. MAV keeps fuel oil from being siphoned out of the tank in the case of leaks.

Suitable for fuel oil EL (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with a maximum of 30 % FAME (EN 14214). This product is therefore ideal for all ecologically upgraded fuel oil consuming systems that use the new paraffinic fuels HVO or GTL as an admixture or 100 %. Also for use in flood hazard areas and flood risk areas.

Versions

	Part no.
Diaphragm anti-siphon valve MAV	20139
Screw connections G $\frac{3}{4}$ x 6 mm with Cu Cu flat gasket, dual	20507
Screw connections G $\frac{3}{4}$ x 8 mm with Cu Cu flat gasket, dual	20504
Screw connections G $\frac{3}{4}$ x 10 mm with Cu Cu flat gasket, dual	20505
Screw connections G $\frac{3}{4}$ x 12 mm with Cu Cu flat gasket, dual	20506

Blue part no. = in-stock items

Description

MAV is continuously adjustable to a safe height of 1–4 m for optimum adaptation to suit local conditions. The adjusted value corresponds to difference between the installation height and the lowest point of the oil line. MAV shuts off under spring pressure and opens under the vacuum caused by the pump. Watertight up to 10 m water column. If necessary, install a pressure compensation unit.



Technical specifications

Adjustment of safe height

Corresponds to installation height
1 – 4 m, fully adjustable

Connection thread

Both ends G% female

Mounting position

Any

Oil flow rate

Max. 220 l/h

Operating temperature range

Medium: -25/+40 °C

Ambient: -25/+40 °C

Vacuum-tight

Bis -1 bar

Test pressure

Max. 6 bar

Material

Housing: Brass

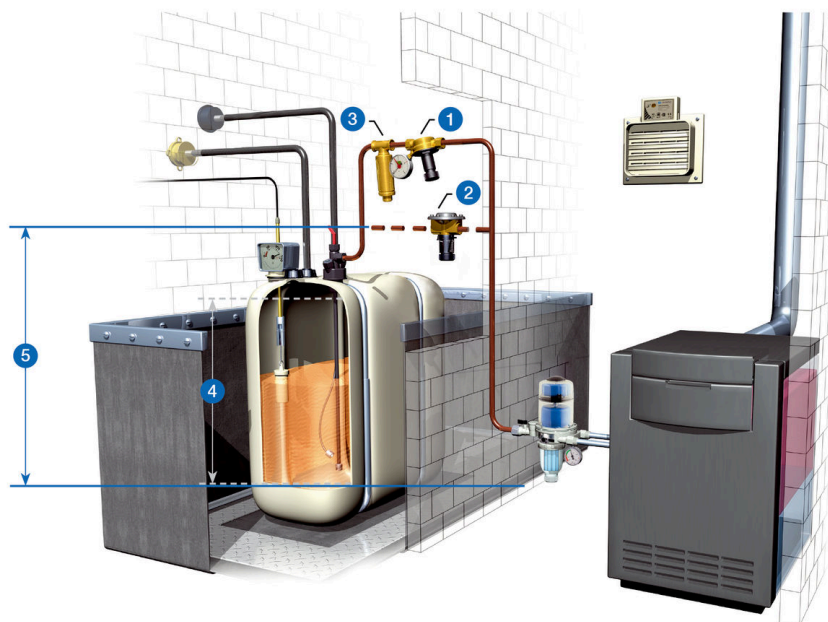
Approval

DIBt: Z-65.50-415

Scope of delivery

- Diaphragm anti-siphon valve
- Lead sealing kit

Detail views



1. Piston type anti-siphon valve KAV
2. Diaphragm type anti-siphon valve MAV
3. Pressure compensation unit DAE
4. KAV: setting the actual safe height
5. MAV: set max. height difference between MAV and the lowest line point at the system

