



Instructions

Boss MBC (DN 50 -600)

ENGLISH

Application

The Boss MBC air & dirt separator can be used on sealed water systems (Heating, Condenser, CHP or Chilled) utilising glycol based additives up to a maximum concentration of 50% by volume.

Technical

Minimum system temperature:	-10 °C (with appropriate antifreeze)
Maximum system temperature:	110 °C
Maximum working pressure:	10 bar
Flange style / rating:	BS4504 / PN16
Maximum flow velocity:	3.0 m/s

Installation

Protect the Boss MBC air & dirt separator from adverse environmental conditions.

Protect from frost.

This equipment will form part of the main system's maintenance regime, do not obstruct access.

The main system must be flushed before installation of the Boss MBC air & dirt separator.

The equipment must be installed vertically with isolation valves on the inlet and outlet connections to facilitate maintenance inspection and facilitate the venting of separated dirt.

To provide the best protection for your system typically this equipment is installed on the hottest side of the heat exchanger, on the suction side of the circulation pump.

The air valve has a 22 mm OD to allow for connection of a discharge pipe if required.

For service purposes it is essential to have 100 mm access clearance above the air vent when installed.

Ensure that the needle valve (bleed screw) is open when commissioning this equipment.

Service / Maintenance

The Boss MBC air & dirt separator should be visually inspected after 3 months, then annually thereafter. Should particulate debris build up within the air vent valve, and induce a leak, this can be isolated using the needle valve (bleed screw) until such time as appropriate maintenance can take place.

The drain valve has a unique 360° design, before venting the particulate debris first isolate the Boss MBC air & dirt separator from the main system. Where temperatures are likely to cause harm, please allow the unit to cool (where appropriate) before discharging the debris. Rotate the drain valve 360°, this is connected to an internal blade that loosens the debris. Open the drain valve and vent the accumulated debris from the equipment. Once complete, close the drain valve and reintroduce the Boss MBC to the main system by opening the isolation valves.


Never use the drain valve to reintroduce water to the system.

Any and all maintenance must only take place with the equipment isolated from the main system and when the temperature of the unit and fluid is within safe limits.

Decommissioning / Removal

To remove the Boss MBC air & dirt separator from the system first isolate the unit, allow it to cool (where appropriate) and discharge the system fluid through the drain valve.

When the unit is empty, and only when safe to do so, remove the retaining bolts and withdraw the equipment.

 All local disposal regulations and legislation must be adhered to.



