

INSTRUCTIONS AND WARNINGS

Carefully read the instructions in this manual before installing or performing maintenance of the component. Keep the manual in a safe place for future reference.

WARNING Magnetic field. Never position the magnet in the vicinity of pacemakers, electromedical devices, general electronic equipment, magnetic cards etc., as it may damage them or interfere with operation.

WARNING High temperature fluid. Risk of burns. Before installation and maintenance operations, ensure that the circuit water is at ambient temperature.

To install DIRTSTOP® EASY, contact a qualified plumber authorised to issue an approved Declaration of Conformity.

COMPONENTS (see fig. 01)

- A** Upper body
- B** Lower body
- C** Ring nut
- D** Drain valve (for routine cleaning)
- E** Magnet
- F** Mesh strainer
- G** Inlet/outlet connections
- H** Shut-off ball valve (system-side connection)
- I** Swivel fitting (boiler-side connection)
- J** Brass cap
- K** Plastic cap
- L** Hose connector nozzle
- M** Optional insulating casing.

INSTALLATION (FOR PLUMBER) (see fig. 02)

Before installing in a new system, the pipelines should be flushed to remove any dirt or waste. Before installing in an existing system, clean the system using the cleaner additive IVAR IV400 and then carry out an anti-scaling treatment using an appropriate inhibitor: IVAR IV100HT (for high temperature systems) or IVAR IV100LT (for low temperature systems).

Install DIRTSTOP® EASY near the boiler, on the heating system return line:

1. Turn off the boiler and ensure that the system water is at ambient temperature.
2. Drain down the system and install DIRTSTOP® EASY in horizontal or vertical orientation. It is recommended to install a shutoff ball valve also upline of the inlet to the boiler, to facilitate shutoff of the section of the system with the dirt separator.
3. Check that the drain valve is closed **D**.
4. Optionally, cover Dirtstop Easy with the dedicated insulating casing (item code 520217).
5. Start up the system again.

MAINTENANCE (FOR USER / PLUMBER)

The quantity of waste that accumulates in DIRTSTOP® EASY depends on the condition of the system. Perform ROUTINE CLEANING and SPECIAL CLEANING operations in observance of the specified schedules. No tools are required to remove the magnet **E**: simply unscrew.

ROUTINE CLEANING

Perform routine cleaning **one month after installation**. Subsequently, perform routine cleaning **every two months** during the heating season.

Procedure:

1. Turn off the boiler and ensure that the system water is at ambient temperature*.
2. Note the system operating pressure as indicated on the boiler gauge*.
3. If used, remove the dedicated insulating casing (item code 520217).
4. Unscrew the magnet **E** from the lower body and remove it completely.
5. Ensure that the drain valve **D** is in the closed position.
6. Unscrew the protection cap from the drain valve **D**. As an option: fit the hose connector nozzle **K** and connect a suitably sized hose.
7. Open the drain cock valve **D** for 2-3 seconds, close again and then wait a few seconds. Repeat this operation at least 3 times.
8. Close the drain cock valve **D**.
9. Remove the hose connector nozzle if previously fitted **K**.
10. Refit the protection cap on the drain valve **D**.
11. Reinsert and screw down the magnet **E**.
12. If used, cover Dirtstop Easy again with the dedicated insulating casing.
13. Restart the system, restoring the pressure noted down in step 2*.

SPECIAL CLEANING

Perform the special cleaning procedure at least once a year.

Procedure:

1. Turn off the boiler and ensure that the system water is at ambient temperature*.
2. Note the system operating pressure as indicated on the boiler gauge*.
3. Close the shut-off valve to seal off the system section where DIRTSTOP® EASY is installed.
4. If used, remove the dedicated insulating casing (item code 520217).
5. Take out the magnet **E** from the lower body **B** and remove it completely.
6. Unscrew the protection cap from the drain valve **D**. As an option: fit the hose connector nozzle **K** and connect a suitably sized hose.
7. Open the drain cock valve **D** for a few seconds to reduce the system pressure.
8. Unscrew the ring nut **C** and remove the lower body **B**.
9. Rinse both the mesh strainer **F** and lower body **B** under running water.
10. Refit the mesh strainer **F** and the lower body **B**.
11. Close the drain cock valve **D**.
12. Remove the hose connector if previously fitted **L**.
13. Refit the protection cap on the drain valve **D**.
14. If used, cover Dirtstop Easy again with the dedicated insulating casing.
15. Reinsert and screw down the magnet **E**.
16. Open the shutoff valve again.
17. Restart the system, restoring the pressure noted in step 2*.

*Note: Consult the operation and maintenance manual of the boiler if necessary.

WARRANTY

DIRTSTOP® EASY is guaranteed for 2 years from the date of purchase. The warranty does not cover malfunctions due to failure to observe the instructions in this manual.

TECHNICAL DATA

Maximum operating pressure	3 bar
Temperature	0 + 90 °C
Magnet	Neodymium, magnetic induction B = 1.2 T (12,000 G), maximum tightening torque 1.4 N • m. Diametric polarisation to maximise capture.
Mesh strainer	800 µm in stainless steel AISI 304
Compatible fluids	Water or glycol solution (max. 50%)
Flow factor	Straight position: 5.5 m³/h 90° position: 6.5 m³/h
Maximum flow rate (approximate)	1.46 m³/h
Connections	22mm x 22mm compression connections

