

EQUIPMENT AND CHEMICALS FOR THERMAL AND SOLAR CIRCUITS

DIRT SEPARATOR FILTERS AND LOADING OR REPLENISHMENT SYSTEMS OF CHEMICAL CONDITIONERS

ELIMINATION OF SLUDGE AND FOREIGN BODIES FROM WATER IN HEATING SYSTEMS

The presence of dissolved salts and suspended impurities (such as sand, mud, ferrous substances) in the water can cause serious problems for summer and winter air conditioning systems. Poor quality water circulating continuously within a closed hydraulic circuit will lead to a progressive build up of deposits in the pipes, in the radiators and inside the boiler (in particular in the heat exchanger). This will consequently compromise system performance and efficiency, will cause a dramatic increase in consumptions, as well as operating and maintenance costs.

In order to eliminate the impurities that may form inside the system, Acqua Brevetti provides a range of dirt separators for individual home and professional applications (medium and large size systems).

Water dirt separation and filtration in closed circuits for summer and winter air conditioning systems is a mandatory treatment according to UNI 8065:2019 technical standard.

Condensate produced by the latest generation of boilers has an acidic pH value (3.5 - 4.5).

Today, environmental regulations in many countries require that effluents discharged into sewer systems or waterways have pH values between 6.5 and 8.5.

Neutrocal installed in the condensate outlet pipe of the boiler neutralizes the effluent so that it is suitable for discharge.





BRAVOTHERM 100

Magnetic dirt separator filter



CHARACTERISTICS

BravoTHERM 100 is a magnetic dirt separation filter with cyclonic separation system that operates with the aid of powerful magnets incorporated in the equipment, retaining sludge, impurities and metal oxides. Thanks to its operating principle, i.e. decanting, BravoTHERM 100 is not affected by clogging and does not require frequent maintenance. The great ease of use of this innovative dirt separator allows you to perform cleaning operations without removing the component from the system.

BravoTHERM 100 is entirely made of technopolymer, specifically designed for high temperature hydraulic applications. A 500 µm stainless steel filter cartridge is fitted inside the dirt separator. BravoTHERM 100 is equipped with 8 powerful cylindrical neodymium magnets housed in the seats of the lower removable knob.

Max water temperature 90 °C - max pressure 3 Bar



Ring with magnets

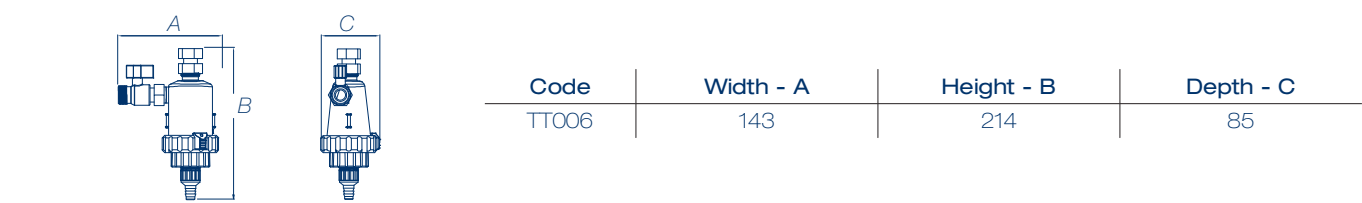
WHAT WE SUPPLY

BravoTHERM 100 is housed inside a smooth cardboard box.

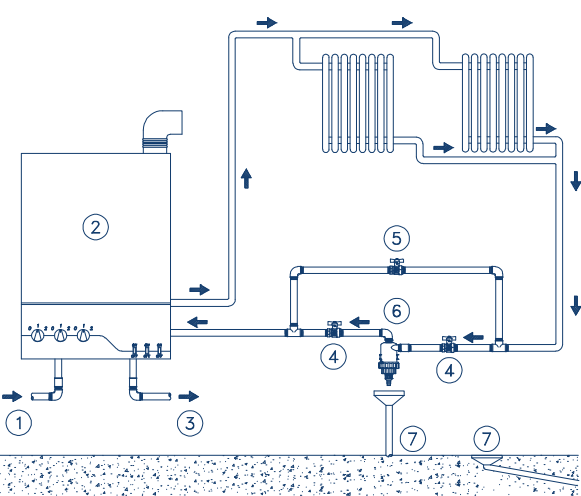
Standard equipment includes: BravoTHERM 100 dirt separator, connection kit with swivel fitting and inlet shut-off valve, instruction manual.

Code	Model	Flow rate lt/h	Users No. apartments	Connections	Magnetic induction	Pieces per package	€
TT006	BravoTherm 100	1000	1	3/4" M	13.000 G	10	70,00

OVERALL DIMENSIONS EXPRESSED IN MM



EXAMPLE OF INSTALLATION SCHEME



Legend

- 1. Cold water inlet;
- 2. Boiler;
- 3. Domestic hot water;
- 4. Shut-off valve;
- 5. By-pass valve (optional);
- 6. BravoTherm 100 dirt separator;
- 7. Discharge

GUIDELINES FOR CORRECT MAINTENANCE



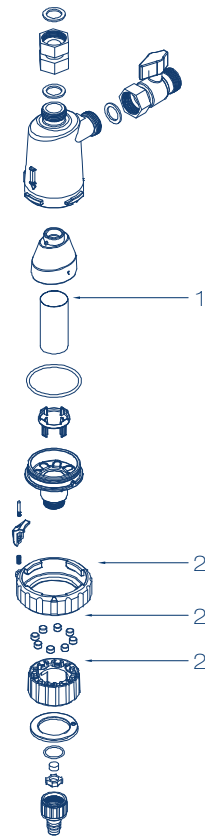
The correct operation and duration of the equipment over time depend on correct installation, proper use and methodical application of the maintenance instructions supplied.

First year	Second year	Third year	Fourth year	Fifth year
BODY - RING NUT WITH CALAMITES	BODY - RING NUT WITH CALAMITES	CORPO - GHIERA CON CALAMITE	CORPO - GHIERA CON CALAMITE	CORPO - GHIERA CON CALAMITE
Clean (End of season)	Clean (End of season)	Effettuare la pulizia (Fine stagione)	Effettuare la pulizia (Fine stagione)	Effettuare la pulizia (Fine stagione)
If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment

Dispose of any liquid effluent resulting from cleaning operations in accordance with applicable local regulations (Leg. Decree 152/2006). Do not dispose of washing liquids or cleaning agent residues down the drains. Refer to the relevant safety data sheet for details on disposal procedures for cleaning products.

RECOMMENDED SPARE PARTS

Pos.	Code	Description	Q.ty	€
1	11026001	Stainless steel cartridge 304 - 500µm	1	8,50
2	99026005	Complete ring with magnets	1	20,00



BRAVOTHERM 550 - 600 - 650

Mass dirt separator filter



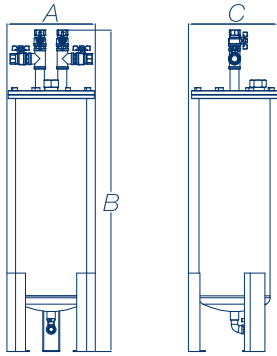
CHARACTERISTICS

BravoTHERM 550, 600 and 650 are mass-filtered dirt separators designed for medium and large sized systems (systems serving up to 50 residential units) that perform an efficient filtration process by retaining coarse impurities and eliminating them from the closed circuit water. BravoTHERM mass-based dirt separators are easy to install and their maintenance operations are quick to perform.

Manual backwash - top cap for product refilling - max water temperature 80 °C - max pressure 5 Bar - min backwash pressure 2 Bar.

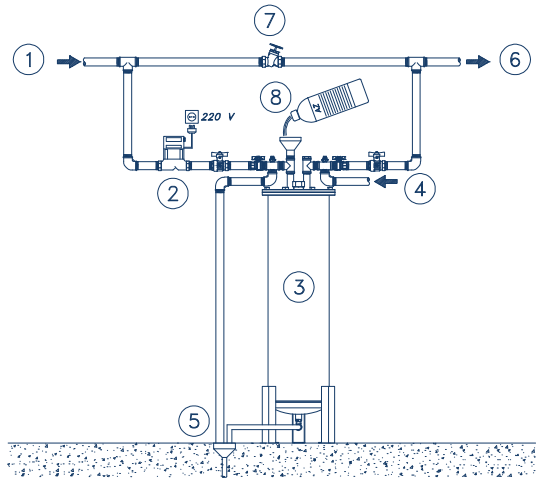
Code	Model	Flow rate lt/h	Users No. apartments	Connections	€
TT011	BravoTherm 550	220	1 - 12	½" F	850,00
TT014	BravoTherm 600	400	13 - 20	1" F	1.280,00
TT016	BravoTherm 650	600	21 - 50	1" F	1.655,00

OVERALL DIMENSIONS EXPRESSED IN MM



Code	Width - A	Height - B	Depth - C
TT011	290	800	290
TT014	340	1235	345
TT016	385	1580	400

EXAMPLE OF INSTALLATION SCHEME



Legend

- 1. Cold water inlet;
- 2. Recirculation pump;
- 3. BravoTherm 550-600-650;
- 4. Backwash water;
- 5. Discharge;
- 6. Treated water outlet;
- 7. By-pass valve;
- 8. Product loading AZ® Line.

GUIDELINES FOR CORRECT MAINTENANCE



The correct operation and duration of the equipment over time depend on correct installation, proper use and methodical application of the maintenance instructions supplied.

Primo anno	Secondo anno	Terzo anno	Quarto anno	Quinto anno
Clean with manual backwash (End of the season)	Clean with manual backwash (End of the season)	Clean with manual backwash (End of the season)	Clean with manual backwash (End of the season)	Clean with manual backwash (End of the season)
If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment	If SYSTEM CLEANING has been performed clean the equipment

Dispose of any liquid effluent resulting from cleaning operations in accordance with applicable local regulations (Leg. Decree 152/2006). Do not dispose of washing liquids or cleaning agent residues down the drains. Refer to the relevant safety data sheet for details on disposal procedures for cleaning products.