BVOL0002_EN

FILTER AND DIRT SEPARATORS

NO DIRT ESCAPE

The Barberi range of dirt separators covers compact under-boiler solutions for tight installations as well as high-efficiency multi-deflector models such as the DR-4, designed for enhanced separation performance in demanding hydronic systems. The range is engineered to ensure reliable protection of generators and system components, making it particularly suitable for modern installations with heat pumps. Across all models, efficiency, ease of maintenance and robust construction are combined to guarantee stable system operation and long-term reliability in both residential and commercial applications.

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MAKE FLOW MOVE

PRODUCTS

V74.P - UNDER-BOILER COMPACT FILTER AND MAGNETIC DIRT SEPARATOR

Under-boiler filter and magnetic dirt separator with compact body. Complete with upstream shut-off valve and fitting for boiler connection. Technopolymer body

Dirt separator + filter + magnet | Compactness
Simple cleaning | High performance magnet

Pag. 3

V72.P - UNDER-BOILER COMPACT FILTER AND MAGNETIC DIRT SEPARATOR

Under-boiler filter and magnetic dirt separator with compact body. Complete with upstream shut-off valve and fitting for boiler connection. Technopolymer body. Thanks to the versatility of the connections, they can be installed vertically or horizontally under wall-mounted boilers. The white technopolymer body is ideal for exposed installations. The openings on the body and the transparent decantation chamber allow for monitoring the cleanliness of the device. Available in black or white.

Dirt separator + filter + magnet | Versatile installation| Aesthetics
Simple cleaning | High performance magnet

Pag. 5

V73.D / V73.F - FILTER AND MAGNETIC DIRT SEPARATOR

The Barberi DR-4 filters and magnetic dirt separators remove impurities from system water through four internal stages: decantation, multi-deflector and cartridge filtration, and extraction of ferromagnetic particles via a magnet. A manual air vent is on the top cover. They are used in HVAC and heating systems with boilers, solid fuel generators, and heat pumps, protecting key components like heat exchangers and high-efficiency pumps. They can be installed vertically, horizontally, or at 45°.

Multi-deflector filter + dirt separator + magnet + filter | Air vent |
Double filtering cartridge| Self cleaning | Adjustable T-fitting | By-pass
Double shut-off valve | High performance magnet | Sealing

Pag.8

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UNDER-BOILER FILTER AND DIRT SEPARATOR

SMALL AND POWERFUL

FEATURES

- COMPACT
- WITH SHUT-OFF VALVE
- EASY INSPECTION

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MAKE FLOW MOVE

DESCRIPTION

The Barberi filters and magnetic dirt separators restrain the impurities contained in the system water through the triple action of their inner components: decantation in the dirt separator, filtration by the cartridge, removal of ferromagnetic particles by means of an extractable magnet. In this way, heat exchangers and high efficiency pumps, contained in the boiler, are protected.

The under-boiler filter and magnetic dirt separator Barberi is composed of: body (1) and decantation chamber (2) of the dirt separator, upstream shut-off valve (3), boiler fitting (4), magnet (5), filtering cartridge (6), drain plug (7) (fig. A).

The under-boiler filter and magnetic dirt separator Barberi cleans the water of thermal systems through the combined action of its components: dirt separator (1+2), filter (6) and magnet (5). The cleaning phases are: - impurity decantation in the dirt separator: water enters the decantation chamber (2), slows down and particles begin to fall towards the device bottom under the effect of gravity (fig. B); - mechanical filtration: the particles not yet fallen are held by the filter mesh (6) (fig. B); - magnetic action: ferromagnetic particles are held by the magnet (5) (fig. C). A large amount of particles begins to fall down to the dirt separator bottom, leaving to the filter a less difficult cleaning task: in this way the filter gets clogged more slowly. The device eliminates impurities, sludges, ferromagnetic residues originated from the system corrosion. This helps to prevent the clogging of delicate devices such as heat exchangers and the blockage of high efficiency pumps with permanent magnet wet rotor. The device can be easily opened for periodic cleaning.

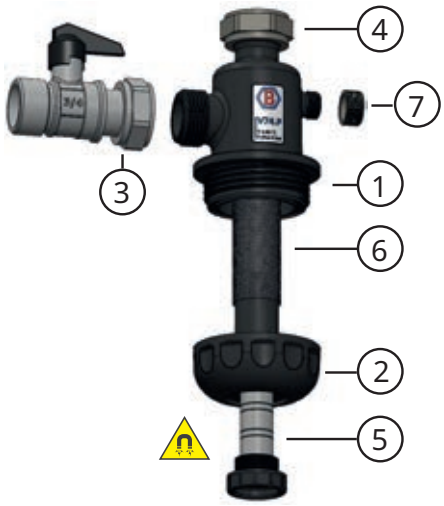


Fig. A: components

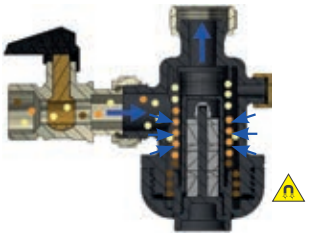


Fig. C: magnetic action

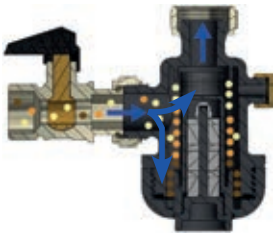
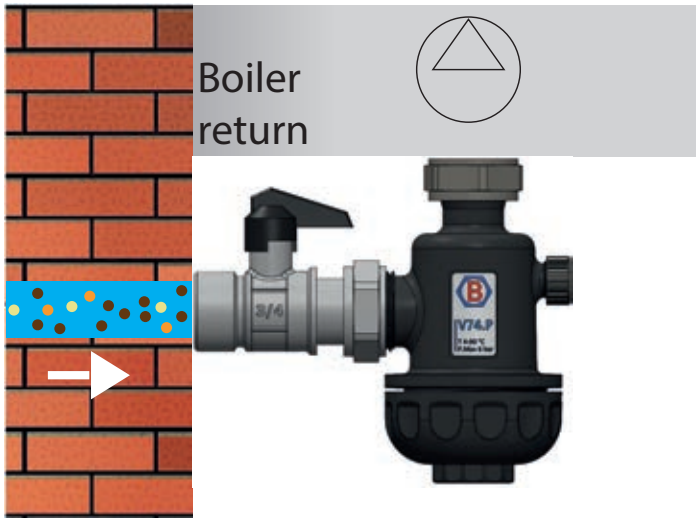


Fig. B: decantation and mechanical filtration



Installation position

CATALOGUE

V74.P

Under-boiler filter and magnetic dirt separator with compact body. Complete with upstream shut-off valve and fitting for boiler connection. Technopolymer body.

Working temperature range: ***4–90 °C***
Max working pressure: ***6 bar***
Mesh size: ***0,8 mm***

Code	Size	Finish	Kv		
V72P20N30	G 3/4 M - G 3/4 RN - G 1/8 M	Black	5,3	1	-

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NEW available 2026

UNDER-BOILER FILTER AND DIRT SEPARATOR V72.P

DIRT? NO PROBLEM!

FEATURES

- COMPOSED OF DIRT SEPARATOR, FILTER, MAGNET
- INSTALLATION UNDER WALL-MOUNTED BOILER
- INTERCHANGEABLE CONNECTIONS FOR VERTICAL OR HORIZONTAL INSTALLATION
- SEMI-TRANSPARENT BODY TO ALLOW EASY INSPECTION OF THE DEVICE

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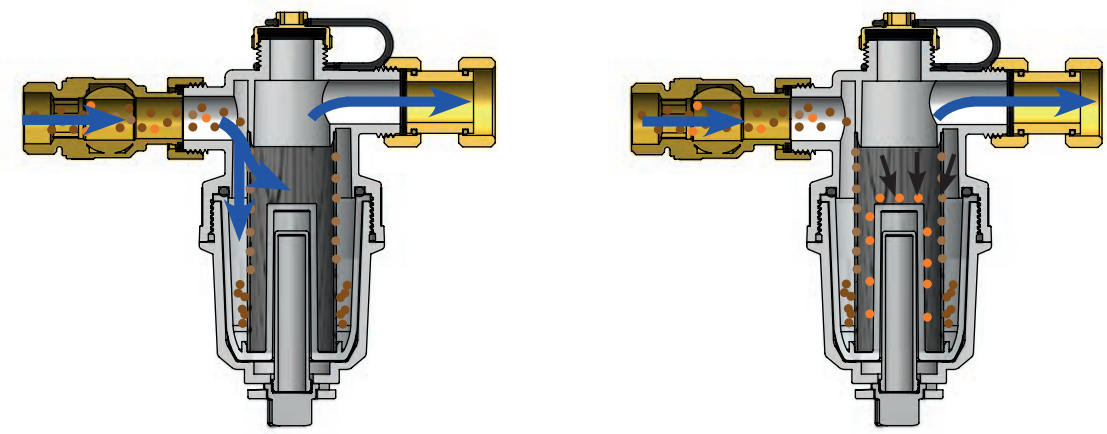
MAKE FLOW MOVE

DESCRIPTION

The under-boiler filter and magnetic dirt separator Barberi DR-3 cleans the water of thermal systems through the combined action of its components: dirt separator, filter, magnet. The possibility of multiple installation positions, the compact dimensions and the white finish make it possible the use with all generators, in small spaces, expecially with exposed wall-mounted boilers.
The device eliminates impurities, sludge, ferromagnetic residues originating from the corrosion of the systems, helping to prevent clogging of heat exchangers and blocking of high-efficiency permanent magnet pumps. The device can be easily kept under control, through the inspection openings on the body, and opened for periodic cleaning.

The fluid cleaning is performed through these actions:
1) decantation of the particles in the dirt separator
2) mechanical filtration through the filter mesh
3) holding of the ferromagnetic particles by the magnet



PRODUCT CATALOGUE

V72.P

DR-3

Under-boiler filter and magnetic dirt separator. Complete with upstream shut-off valve and fitting for boiler connection. Technopolymer body with inspection openings.

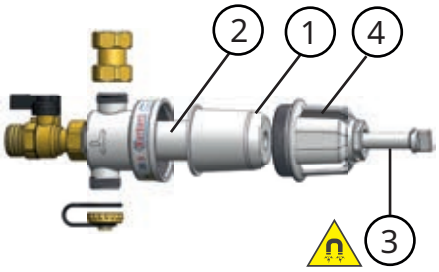
Working temperature range: ***0–90 °C***
Max working pressure: ***3 bar***
Mesh size: ***0,5 mm***

Code	Size	Finish	Kv		
V72P20021	G 3/4 M - G 3/4 RN - G 3/4 M	White	5,2	1	6
V72P20031	G 3/4 M - G 3/4 RN - G 3/4 M	Black	5,2	1	6

HIGHLIGHTS

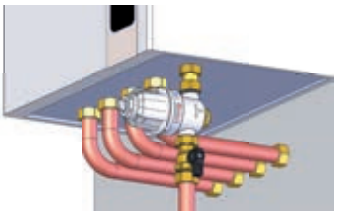
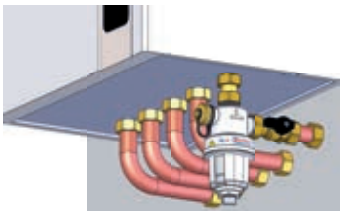
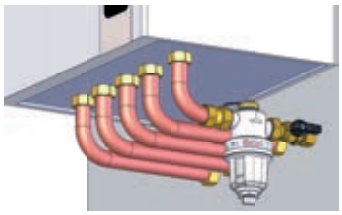
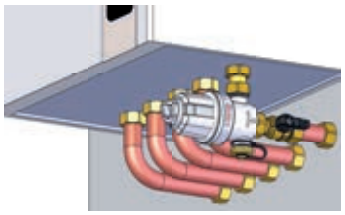
DIRT SEPARATOR + FILTER + MAGNET

The fluid cleaning is maximized thanks to the three devices incorporated in a single product: dirt separator (1), filter (2), magnet (3). The inspection openings (4) allow to check the conditions of the device.



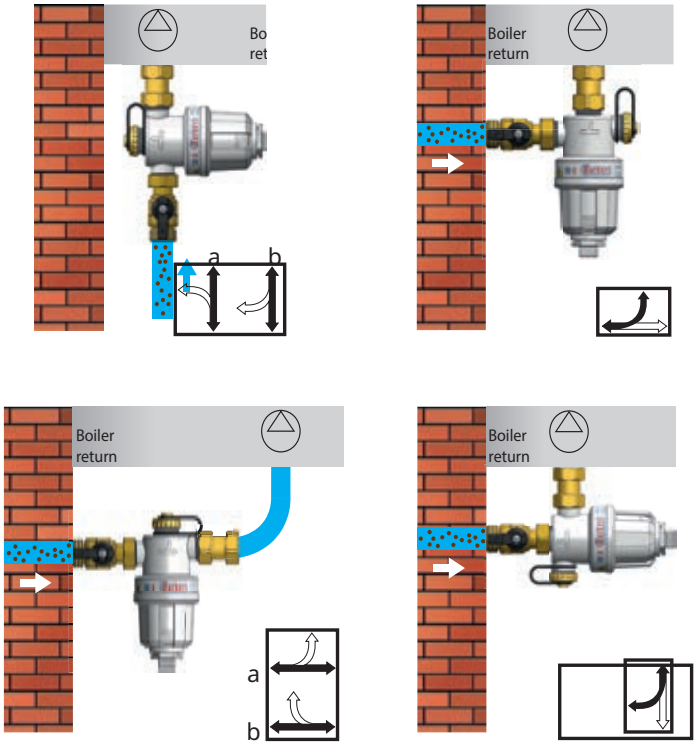
IDEAL FOR WALL-MOUNTED BOILERS

White finish ideal for any generator, especially for exposed wall-mounted boilers.

VERSATILE INSTALLATION

4 installation positions to easily adapt to the available space and the configuration of the generator connections.



SIMPLE MAINTENANCE

The body can be easily unassembled to perform a complete cleaning of the device.

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NEW available 2026

FILTER AND DIRT SEPARATOR DR-4

MAGNETIC POWER

FEATURES

- COMPOSED OF MULTI-DEFLECTOR FILTER, DIRT SEPARATOR, FILTER, MAGNET, AIR VENT
- IN LINE INSTALLATION
- ADJUSTABLE TEE IN BRASS
- HIGH PERFORMANCE MAGNET
- 1 1/4" VERSION EQUIPPED WITH BY-PASS TO MODULATE THE FLOW RATE TOWARDS THE DIRT SEPARATOR

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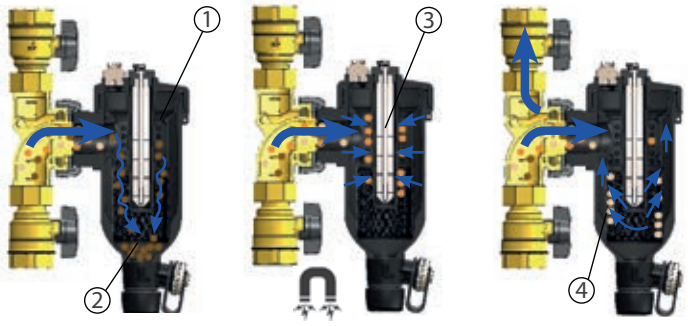
MAKE FLOW MOVE

DESCRIPTION

The filter and magnetic dirt separator Barberi DR-4 cleans the water of thermal systems through the combined action of its components. The device eliminates impurities, sludge, ferromagnetic residues originating from the corrosion of the systems, helping to prevent clogging of heat exchangers and blocking of high-efficiency permanent magnet pumps.

The fluid cleaning is performed through these actions:
1) action of the multi-deflector filter: generation of a turbolent motion to separate particles
2) decantation in the dirt separator: precipitation by gravity
3) holding of the ferromagnetic particles by the magnet
4) mechanical filtration through the filtering mesh



DR-4

PRODUCT CATALOGUE

V73.D

DR-4

Filter and magnetic dirt separator. Technopolymer body, brass tee-fitting. Complete with cyclonic action filter, interchangeable cartridge and adjustable tee for horizontal, vertical and 45° installation. G 1 1/4 F version with by-pass on the T-fitting to modulate the flow-rate diverted towards the dirt separator body.

Working temperature range: ***0–90 °C***
Max working pressure: ***3 bar***
Mesh size: ***0,5+1 mm***

Code	Size		
V73D20010	G 3/4 F	1	6
V73D25010	G 1 F	1	6
V73D32010	G 1 1/4 F	1	6

V73.F

DR-4

Filter and magnetic dirt separator. Technopolymer body, brass tee-fitting. Complete with multi-deflector filter, interchangeable cartridge, adjustable tee for horizontal, vertical and 45° installation, shut-off valves. G 1 1/4 F version with by-pass on the T-fitting to modulate the flow-rate diverted towards the dirt separator body.

Working temperature range: ***0–90 °C***
Max working pressure: ***3 bar***
Mesh size: ***0,5+1 mm***

Code	Size		
V73F20020	G 3/4 F	1	6
V73F25020	G 1 F	1	6
V73F32020	G 1 1/4 F	1	6

57D

DR-4

Insulation for V73 filter and magnetic dirt separators

Material: ***EPP***

Code	Size		
57D0000001	for G 3/4 F, G 1 F	1	-
57D0000002	for G 1 1/4 F	1	-

HIGHLIGHTS

DR-4

MULTI-DEFLECTOR FILTER + DIRT SEPARATOR + MAGNET + FILTER

The fluid cleaning is maximized thanks to the four devices incorporated in a single product. 1,8 T high induction magnet.

ADJUSTABLE TEE-FITTING FOR IN LINE INSTALLATIONS

Allows to adapt the dirt separator to horizontal, vertical and 45° oblique pipes.

DOUBLE SHUT-OFF VALVE

The V73.F version is complete with ball shut-off valves, with running nut, for the connection to the system.

SELF-CLEANING

It's possible to perform a fast cleaning, through flushing, by opening the drain valve. For a deeper cleaning it's possible to completely unassemble the device.

AIR VENT

A manual air vent is located on the upper cover.

DOUBLE CARTRIDGE

Factory configuration with 0,5 mm filtering mesh for the initial system cleaning, in the package a further cartridge is supplied with 1 mm mesh for continuous operation.

BY-PASS.

The version with 1 1/4" connections is equipped with by-pass. To allow a complete fluid cleaning, we suggest to keep the by-pass fully closed during the initial working period of the system (all the fluid enters the dirt separator body). Once the cleaning is completed, the by-pass can be opened to reduce the device head losses (only part of the fluid enters the dirt separator body).

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