

MAGNETIC FILTER- INDUSTRIAL

by TORYAP GR
Deepclean P-HEAT

DEEPCLEAN P-HEAT MAAGNETIC FILTERS

DEEPCLEAN P-HEAT MAGNETIC FILTERS offer you the ultimate solution to capture and remove ferritic materials, debris, and sediments from closed-circuit installations. With its filter body, high-precision stainless steel filter, cleaning flange, and magnets, it allows you to protect and clean your system in heating and cooling applications.



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FIELDS OF APPLICATION

Can be used in all aqueous heating and cooling applications between 0-100 °C.

FILTER ELEMENTS - MAGNET

MAGNET

Neodymium-type super magnets are used in Deepclean P-HEAT MAGNETIC FILTERS. Thanks to its design, the Magnetic Filter affects 100% of the water at each pass. Isolation valves should be placed before and after the filter for cleaning. It provides the opportunity to clean your installation without water loss in the system. The magnets do not come into contact with water and can be cleaned easily.



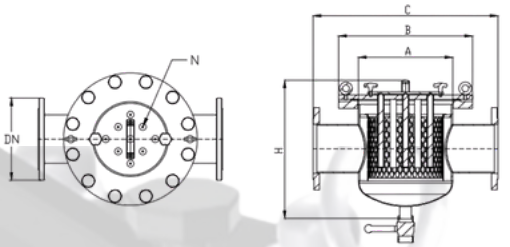
FILTER ELEMENTS - MAGNET

STAINLESS FILTER

Thanks to the dual filter system of 300 µm and 1000 µm found in the Deepclean P-HEAT Magnetic filter with its patented solution, all debris in the installation is cleaned. Additionally, with its replaceable sediment catcher filter option, it is possible to remove sediments from the system. Thanks to the special connection system, there is no need to replace the gasket every time the cleaning flange is opened. With its special screwing system, it provides a unique and ultra-fast flange removal and installation capability



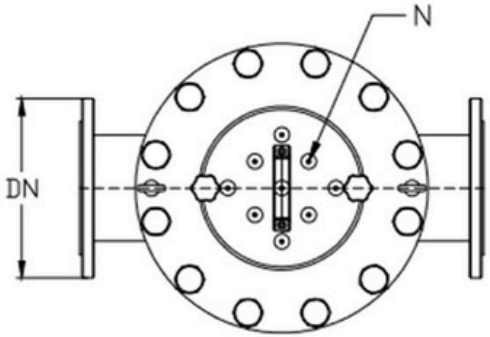


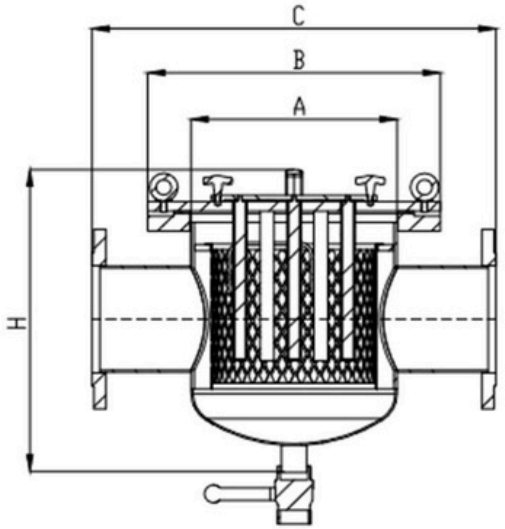


CONNECTION	MODEL	N (Magnet quantity)
DN50	P H-50	2
DN65	P H-65	2
DN80	P H-80	2
DN100	P H-100	2
DN125	P H-125	2
DN150	P H-150	3
DN200	P H-200	4
DN250	P H-250	4

DEEPCLEAN P-HEAT PRO MAGNETIC FILTER

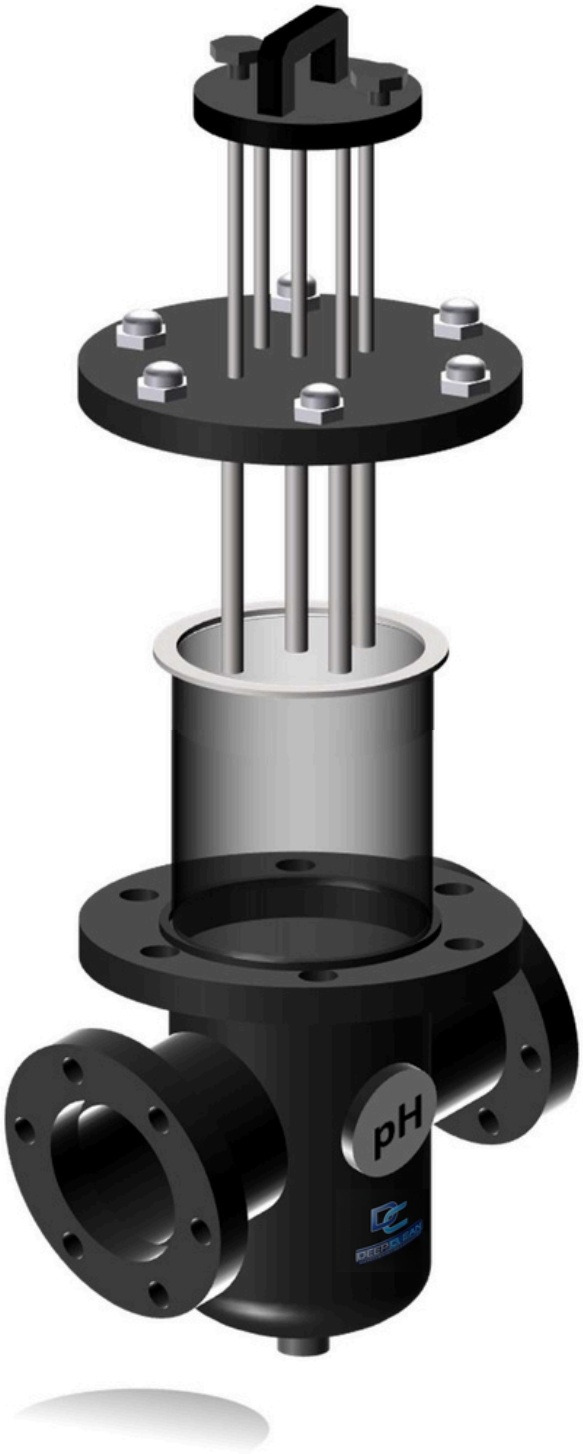


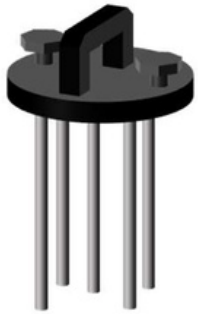




Installation Connection Diameters	Model Name	N (Qu. of Magnet)
DN50	P H-50	2
DN65	P H-65	2
DN80	P H-80	2
DN100	P H-100	2
DN125	P H-125	2
DN150	P H-150	3
DN200	P H-200	4
DN250	P H-250	4

FILTER ELEMENTS - MAGNET





Neodymium magnets with high magnetic attraction force

Magnet probes that isolate magnets from water contact



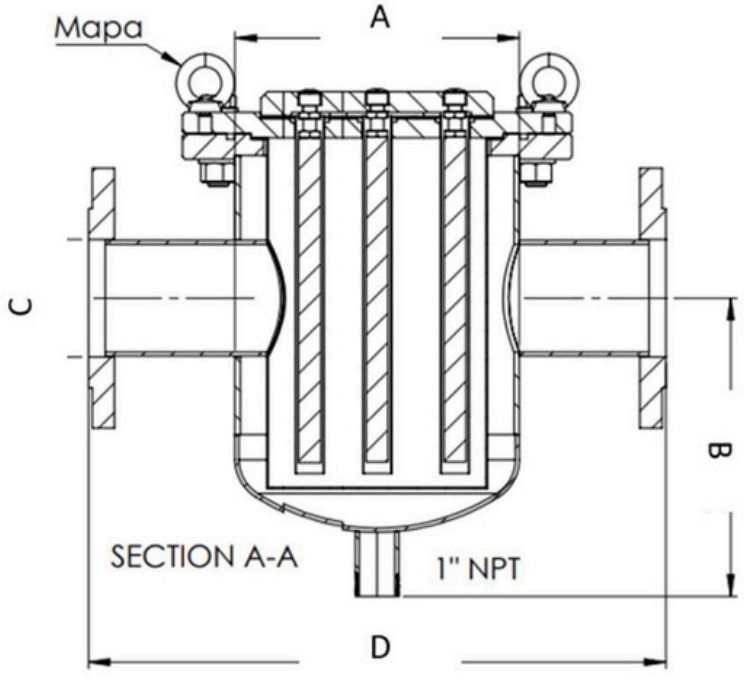


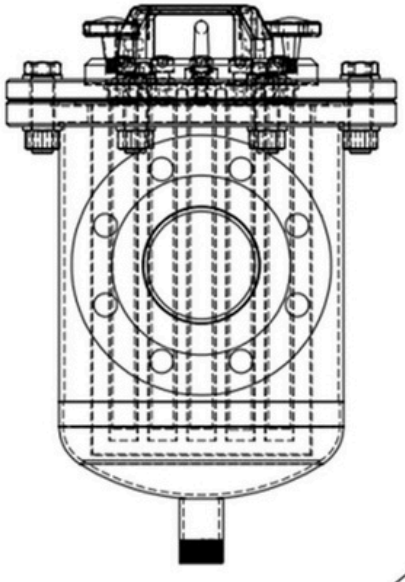
Stainless steel filter mesh

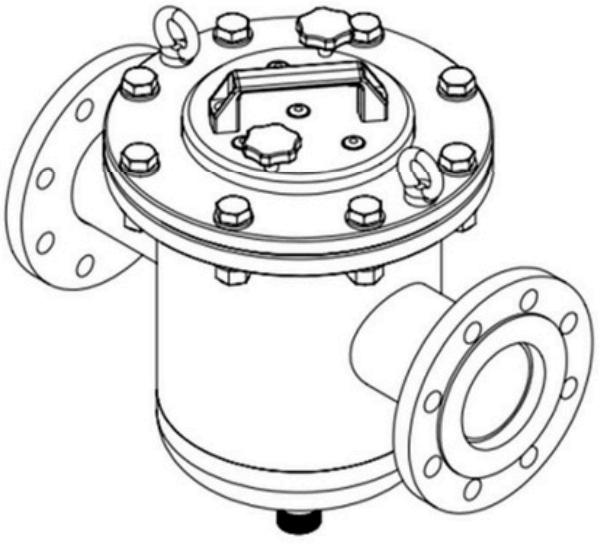
EPDM sealing element that does not need to be replaced during every filter cleaning

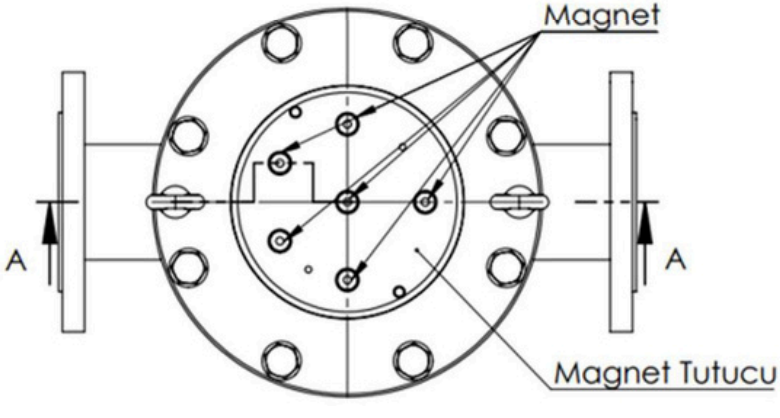


FILTER ELEMENTS - MAGNET



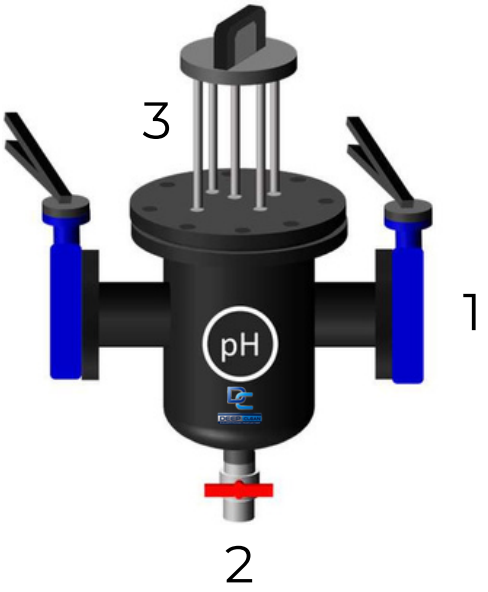






Magnet Holder

FILTER CLEANING

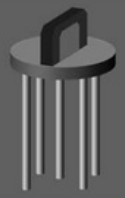




1 –Isolation valves are closed..

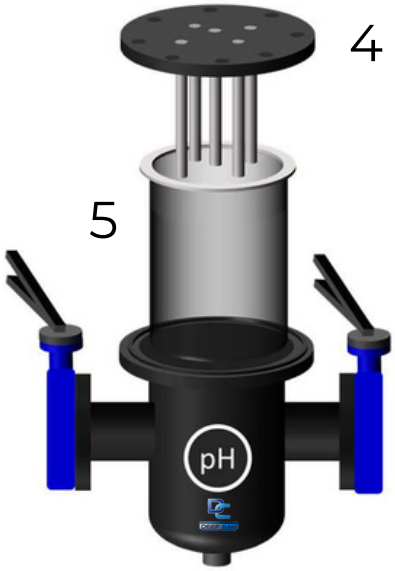


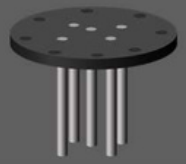
2 –Drain valve is opened.



3 –Magnets are pulled out. Thus, the sediments accumulated on the probes are automatically removed from the system through the drain valve by releasing the magnetic
attraction force. There is no need to remove the flange cover for cleaning every time.

For cleaning stainless steel screens;





4–The top flange is removed..



5 –The stainless steel filter mesh is taken out and cleaned.

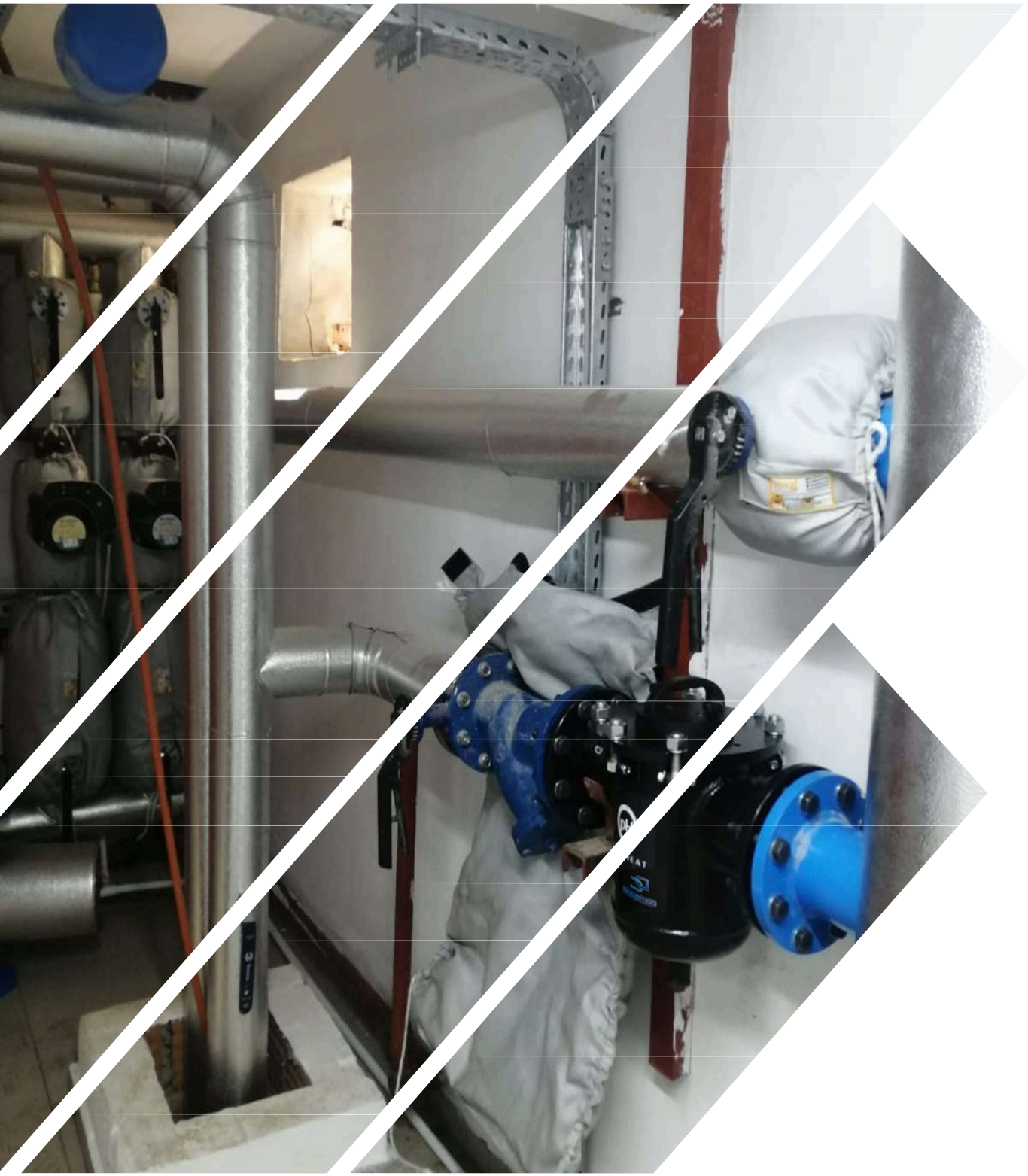
FIELDS OF USE AND BENEFITS



Central system aqueous heating and cooling installations between 0-100 °C

Capacity: DN 50 - DN 250

- Provides efficiency in heating installations and in the electricity consumed by heating equipment.
- Prevents issues caused by pump rotors attracting ferritic materials.
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- Prevents ferritic materials from accumulating inside central system boilers and causing corrosion.



BENEFITS

- Extends the service life of thermostatic valves and Pm regulators in apartment substations and prevents them from getting stuck.
- Prevents iron powder accumulation in radiators and increases energy efficiency.
- Lowers maintenance costs.
- Extends the service life of system equipment.

SYSTEM ELEMENTS PROTECTED BY THE MAGNETIC FILTER

Boilers:

Prevents perforations and inefficiency caused by corrosion in floor-standing and wall-hung boilers.



Pumps

The rotor parts of wet-rotor pumps in contact with water consist of magnets,

which attract magnetites circulating in the closed circuit and fail shortly after. The

Deepclean P-HEAT magnetic filter prevents this problem. Since cleaner heating water

circulates, the energy consumption of the pumps decreases.



All Valves in the System:

Protects and extends the life of isolation valves, thermostatic

valves, and control valves in the system.



Floor station components

It protects all diverting valves, heat exchangers, and heat meters located in the floors station, and enhances their functionality.



Pipes

Prevents corrosion and perforation in pipes.



Heat Exchangers:

Prevents gasket wear, increases efficiency, and lowers your maintenance costs.

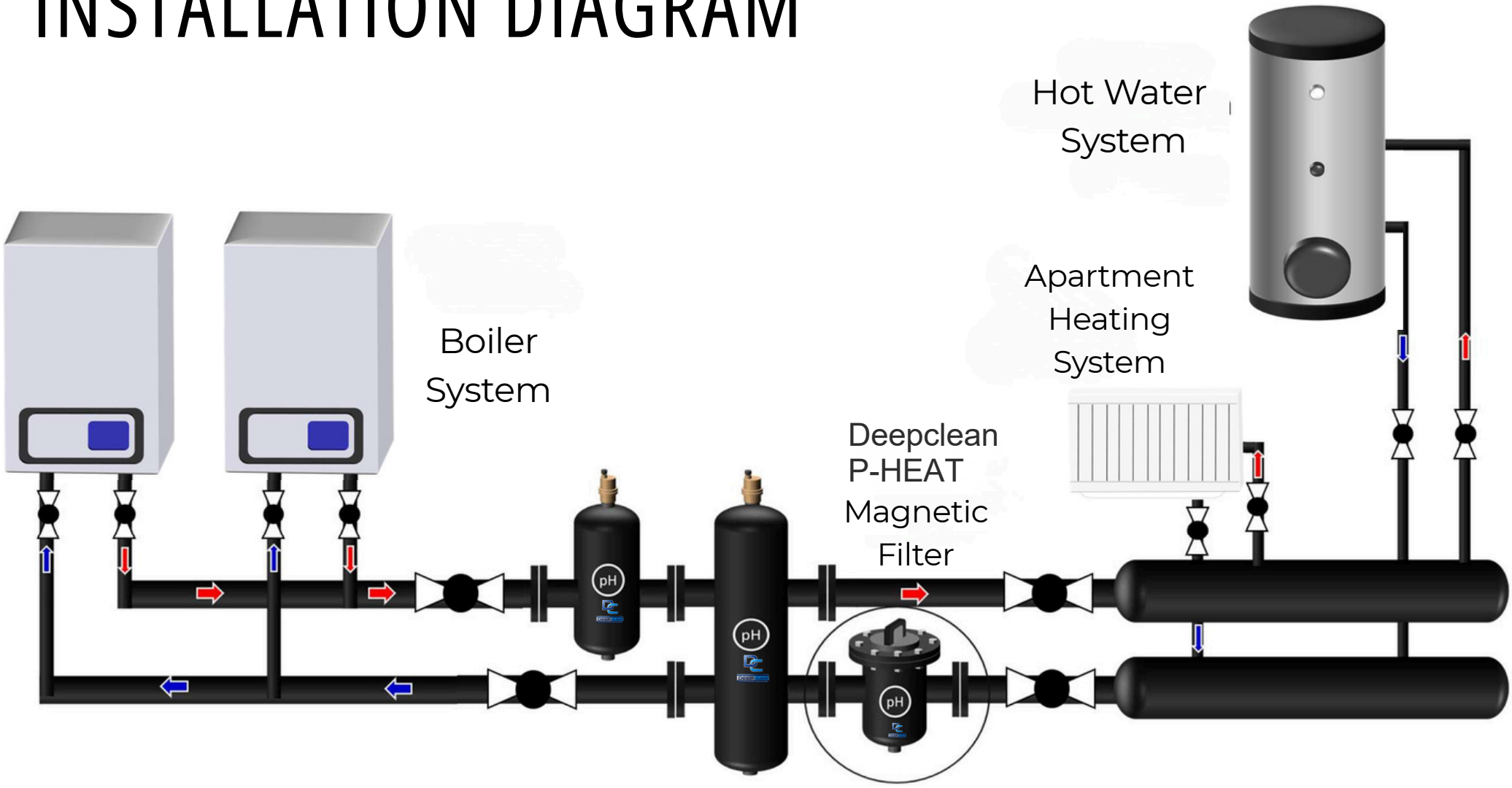


Radiators:

Prevents magnetite accumulation inside radiators, ensures more efficient operation, and saves energy



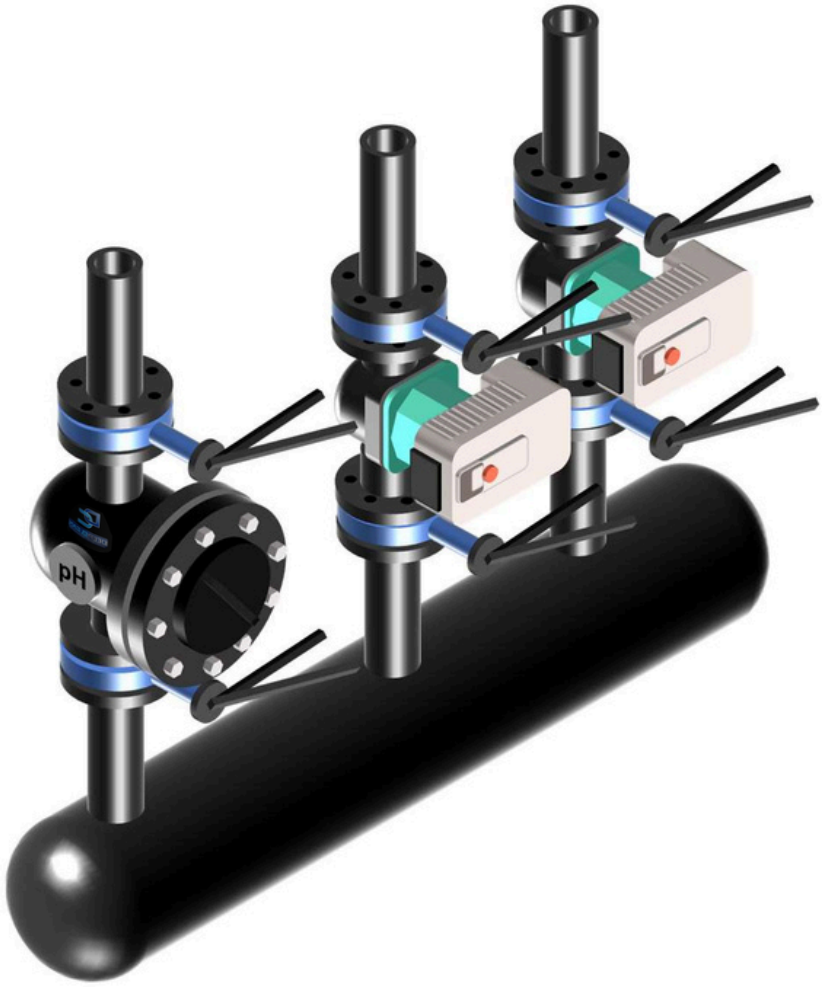
INSTALLATION DIAGRAM



INSTALLATION METHOD

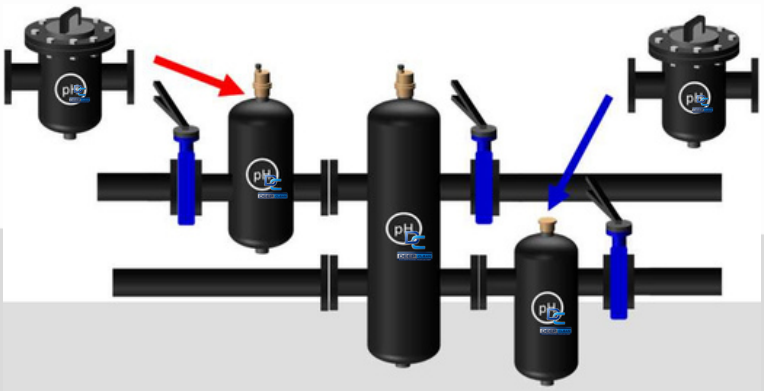


Horizontal Installationj



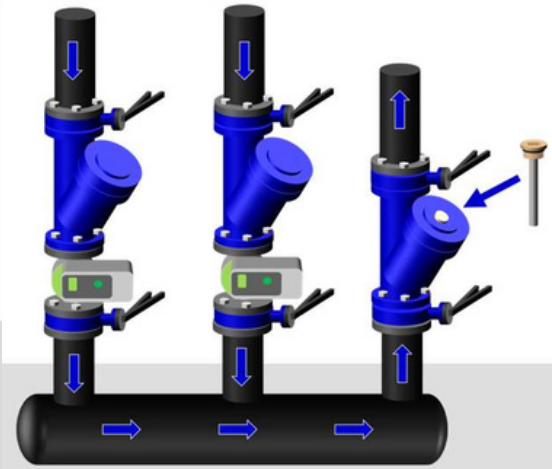
Vertical Installation

APPLICATIONS IN EXISTING BUILDINGS



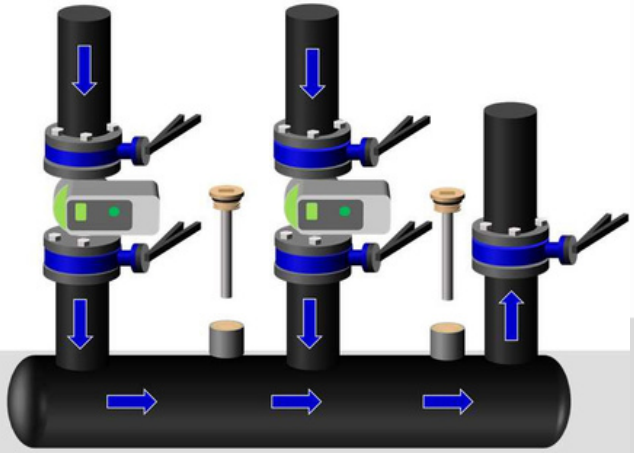
1.Installation in place of existing separators

Deepclean P-HEAT magnetic filters can be installed in place of existing separators in living buildings to minimize labor. The dimensions of the air separator or dirt separator are measured, and the product is manufactured with the exact same flange-to-range dimensions. Thus, installation can be easily completed in a very short time with minimum water loss.



2.Installation on existing dirt separators (strainers)

The supermagnets in Deepclean P-HEAT magnetic filters can be mounted onto existing dirt separator covers when there is no application space available.



3. Installation on manifoldsj

The supermagnets in Deepclean P-HEAT magnetic filters can be mounted onto existing manifolds in cases where there is no separator or dirt separator in the system.



DEEP CLEAN

SOME OF
OUR REFERENCES

TORYAP grup

EMLAK KONUT

Çınarköy Evleri





ACIBADEM

EMLAK KONUT

Çamlıca Projesi





EMLAK KONUT

Güngören Projesi

MAIDAN





KİPTAŞ

Silivri Konutları 3

Silivri Konutları 4





Bayrampaşa Konutları

LOCAMAHAL
veliefendi





KİPTAŞ

Hadımköy Konutları 3

STRADA
BAHÇEŞEHİR





KUVEYTTÜRK

The Residence
Veliefendi





SEMERKAND LINE

CITY CENTER OUTLET





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