

A complete line of products for the
PROTECTION of
WATER HEATERS and
HEATING LOOPS



01

PROTECTION KIT

Choose the Kit that best matches your needs and start protecting your boiler and heat pump now!



02

WATER FILTRATION FOR CLOSED CIRCUIT HEATING SYSTEMS

Protect your central heating system against ferrous debris



03

ACIDIC CONDENSATE NEUTRALISATION

Neutralise the acidic condensate produced by your condensing boiler



04

DOMESTIC HOT WATER TREATMENT

Prevent limescale formation



05

FLUSHING and PROTECTION FOR WATER HEATERS and HEATING LOOPS

Eliminate limescale and fouling from your pipes

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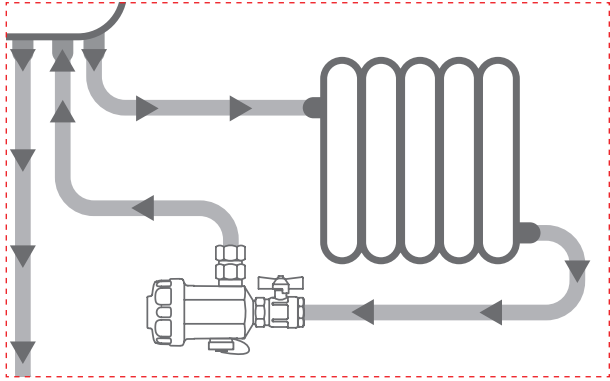
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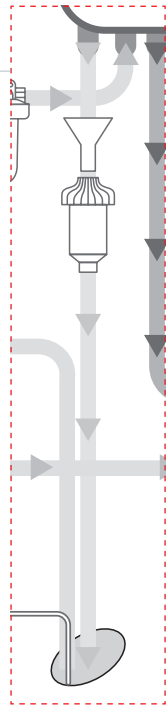
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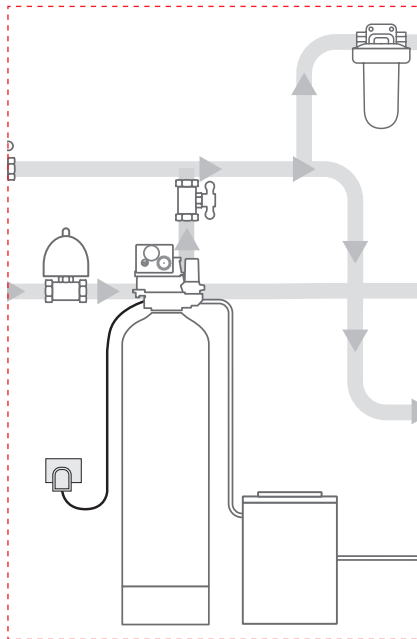


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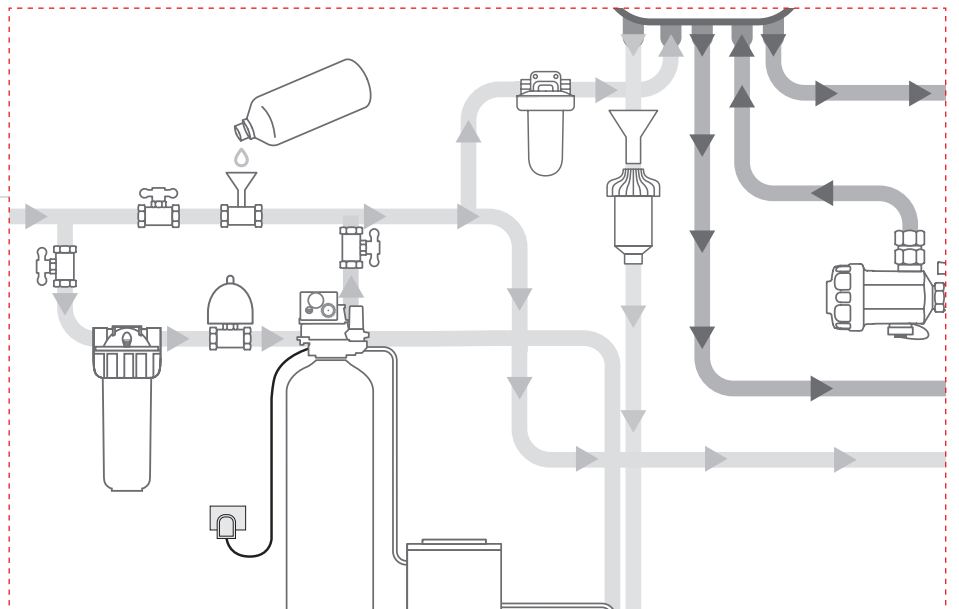
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01

PROTECTION KITS

Choose the kit that meets your needs

- BoilerKit360_FDN
- BoilerKit360_FD
- BoilerKit360_FH
- HeatPumpKit360

01

GENERAL PURPOSE **KITS**

for all-round protection of water heaters and heating loops

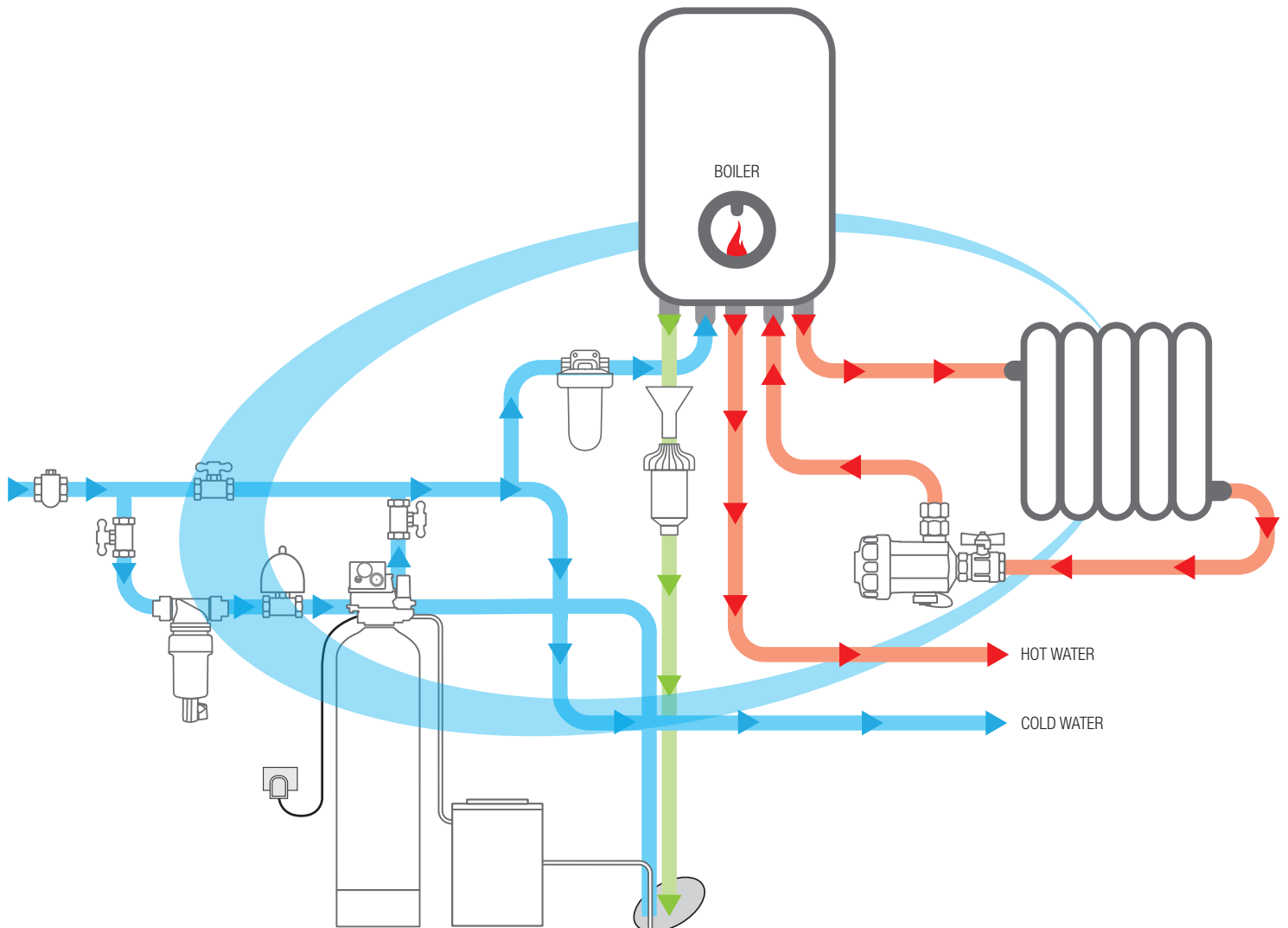
Choose the kit best suited to eliminating or preventing the problems caused by limescale and corrosion

BENEFITS

Eliminate or prevent problems with a single product
Easy to select thanks to illustrated packaging
Various kits available depending on the problem to be solved

THE RANGE

BOILER KIT 360 | FDN
BOILER KIT 360 | FDH
BOILER KIT 360 | FD
BOILER KIT 360 | FH





BOILERKIT360 | FDN

KIT SALVACALDAIA

COMPLETE PROTECTION FOR YOUR BOILER AND HEATING SYSTEM

Specially designed for the COMPLETE protection of water heaters and heating loops, consisting of: FDM-1 - magnetic sludge filter; DOSAPLUS - proportional dosing unit for powder polyphosphates; NEUTRAL MINI - acidic condensate neutraliser for condensing boilers.

Each of these products serves a specific purpose in the system. FDM-1 eliminates ferrous debris from heating loops, and is installed at the return to the boiler immediately after the last radiator. DOSAPLUS protects the boiler against limescale and fouling, improving heating efficiency and significantly reducing energy consumption. NEUTRAL MINI treats the acidic condensate produced by condensing boilers, neutralising it before it enters the drain.

PACKAGING

Contains:

FDM-1

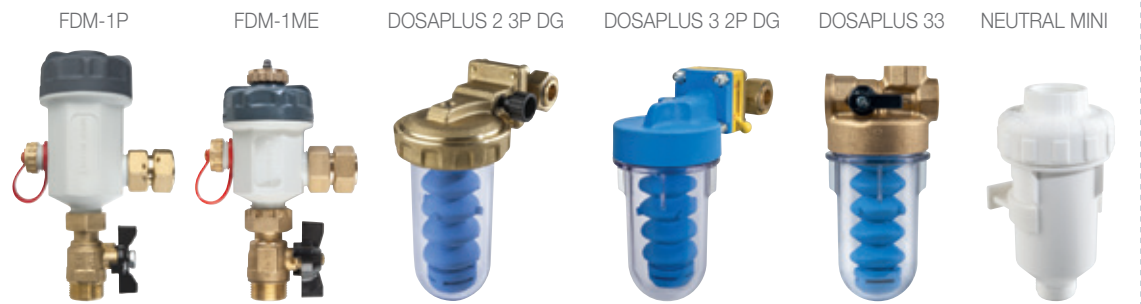
See page: 15 (FDM-1P) | 16 (FDM-1ME) for technical specifications

DOSAPLUS

See page: 27 (Dosaplus2) | 30 (Dosaplus3) | 32 (Dosaplus33) for technical specifications

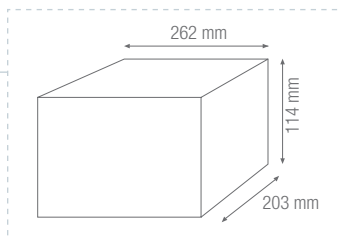
NEUTRAL MINI

See page 22 for technical specifications



CODE	DESCRIPTION
RE6170160	BOILER KIT 360 FDN 1P.2 (FDM-1P, DOSAPLUS 2 3P DG, NEUTRAL MINI)
RE6170190	BOILER KIT 360 FDN 1M.2 (FDM-1ME, DOSAPLUS 2 3P DG, NEUTRAL MINI)
RE6170191	BOILER KIT 360 FDN 1M.3 (FDM-1ME, DOSAPLUS 3 2P DG, NEUTRAL MINI)
RE6170192	BOILER KIT 360 FDN 1M.33 (FDM-1ME, DOSAPLUS 33, NEUTRAL MINI)

DIMENSIONS



BOILERKIT360 | FDN





BOILERKIT360 | FDH

KIT SALVACALDAIA

COMPLETE PROTECTION FOR YOUR BOILER AND HEATING SYSTEM

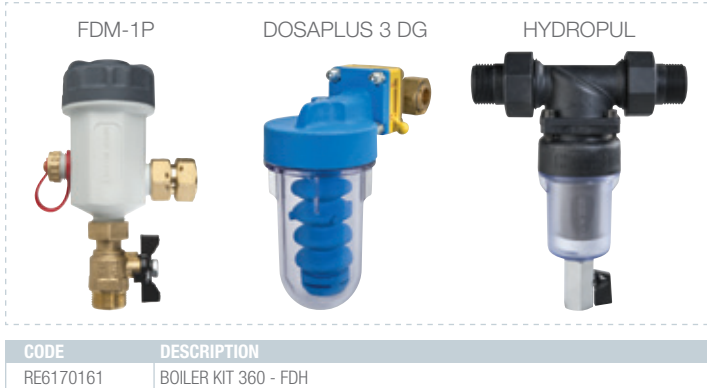
Specially designed for the COMPLETE protection of water heaters and heating loops, consisting of: FDM-1P - magnetic sludge filter; DOSAPLUS 3 - proportional dosing unit for powder polyphosphates; HYDROPUL - cleaning filter.

Each of these products serves a specific purpose in the system. FDM-1P eliminates ferrous debris from heating loops, and is installed at the return to the boiler immediately after the last radiator. DOSAPLUS 3 protects the boiler against limescale and fouling, improving heating efficiency and significantly reducing energy consumption. The HYDROPUL filter is designed to filter water at the point of entry into the system. It features a current-flow washing system that greatly facilitates cleaning of the filter cartridge. To discharge dirt, all you need to do is open the ball valve drain at the bottom of the filter.

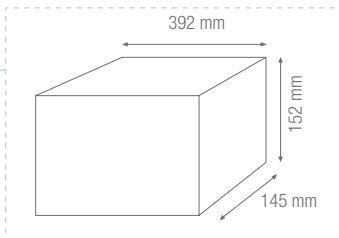
PACKAGING

Contains:

- FDM-1P**
See page 15 for technical specifications
- DOSAPLUS 3 DG**
See page 30 for technical specifications
- HYDROPUL**
cleaning filter



DIMENSIONS



BOILERKIT360 | FDH





BOILERKIT360 | FD

KIT SALVACALDAIA

COMPLETE PROTECTION FOR YOUR BOILER AND HEATING SYSTEM

Specially designed for the COMPLETE protection of water heaters and heating loops, consisting of: FDM-1 - magnetic sludge filter; DOSAPLUS - proportional dosing unit for powder polyphosphates.

Each of these products serves a specific purpose in the system. FDM-1 eliminates ferrous debris from heating loops, and is installed at the return to the boiler immediately after the last radiator. DOSAPLUS protects the boiler against limescale and fouling, improving heating efficiency and significantly reducing energy consumption.

PACKAGING

Contains:

FDM-1

See page: 15 (FDM-1P) | 16 (FDM-1ME) for technical specifications

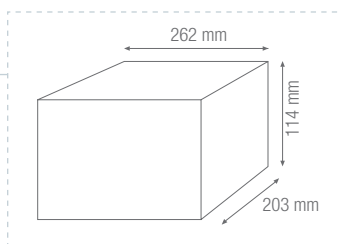
DOSAPLUS

See page: 27 (Dosapulus2) | 30 (Dosapulus3) | 32 (Dosapulus33) for technical specifications



CODE	DESCRIPTION
RE6170162	BOILER KIT 360 FD 1P.3 (FDM-1P, DOSAPLUS 3 2P DG)
RE6170193	BOILER KIT 360 FD 1M.2 (FDM-1ME, DOSAPLUS 2 3P DG)
RE6170194	BOILER KIT 360 FD 1M.3 (FDM-1ME, DOSAPLUS 3 2P DG)
RE6170195	BOILER KIT 360 FD 1M.33 (FDM-1ME, DOSAPLUS 33)

DIMENSIONS



BOILERKIT360 | FD





BOILERKIT360 | FH

KIT SALVACALDAIA

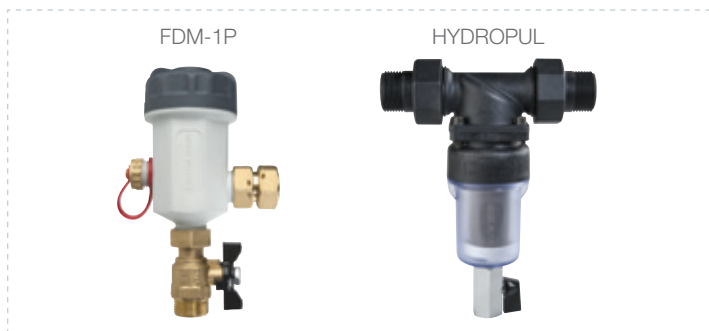
COMPLETE PROTECTION FOR YOUR BOILER AND HEATING SYSTEM

Specially designed for the COMPLETE protection of water heaters and heating loops, consisting of: FDM-1P - magnetic sludge filter; HYDROPUL - cleaning filter.

Each of these products serves a specific purpose in the system. FDM-1P eliminates ferrous debris from heating loops, and is installed at the return to the boiler immediately after the last radiator. The HYDROPUL filter is designed to filter water at the point of entry into the system. It features a current-flow washing system that greatly facilitates cleaning of the filter cartridge. To discharge dirt, all you need to do is open the ball valve drain at the bottom of the filter.

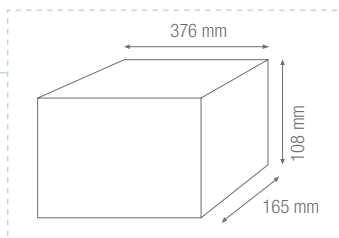
PACKAGING

Contains:
FDM-1P
See page 15 for technical specifications
HYDROPUL
cleaning filter



CODE	DESCRIPTION
RE6170163	BOILER KIT 360 - FH

DIMENSIONS



BOILERKIT360 | FD



01

GENERAL PURPOSE **KITS**

For a clean, efficient, protected heat pump

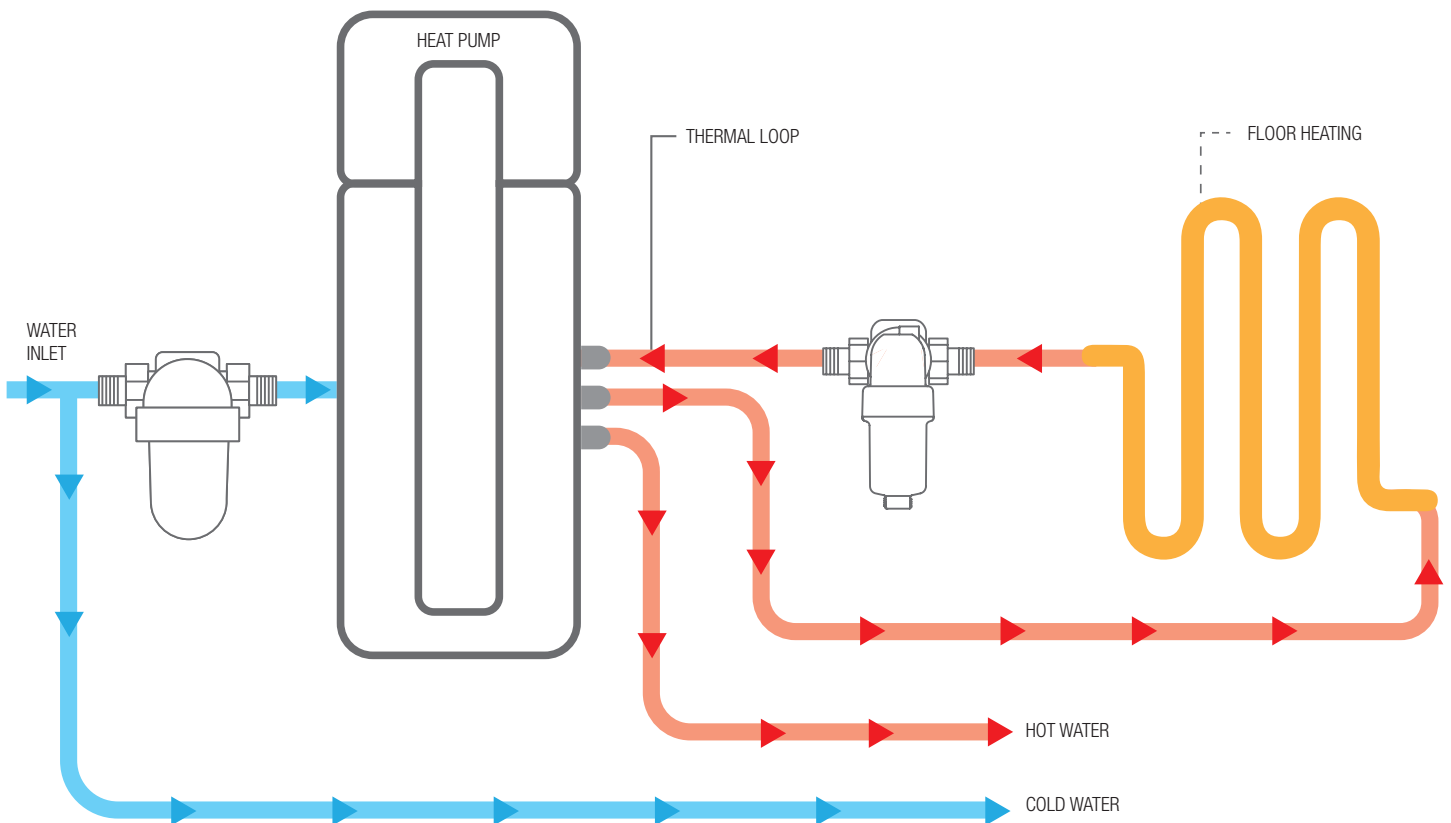
Choose the kit best suited to eliminating or preventing the problems caused by limescale and corrosion and to prevent breakage or failure

BENEFITS

- Maximum efficiency and maximum thermal performance of the system
- Energy savings
- Reduced maintenance costs
- Longer-lasting plant

THE RANGE

HEAT PUMP KIT 360





HEATPUMP KIT 360 NEW

HOME HEAT PUMP PROTECTION

Kit designed specifically for heat pump protection, consisting of: FDM-3 - magnetic sludge filter; DOSAPLUS 7N - proportional dosing unit for powder polyphosphates.

Each of these products serves a specific purpose in the system. FDM-3 eliminates ferrous debris in the circuit, and is installed on the hot water return line. DOSAPLUS 7N protects the circuit against limescale and fouling, improving heating efficiency and significantly reducing energy consumption; it is installed on the cold water inlet line.

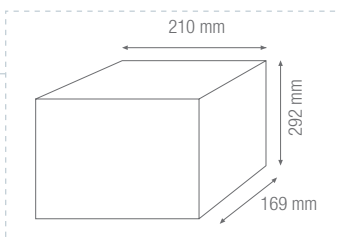
PACKAGING

Contains:
FDM-3
See page 18 for technical specifications
DOSAPLUS 7N
See page 33 for technical specifications



CODE	DESCRIPTION
RE6170198	HEAT PUMP KIT 360 FD 3.7 (DOSAPLUS 7N, FDM-3)

DIMENSIONS



HEAT PUMP KIT 360





02

WATER FILTRATION FOR HEATING LOOPS

Magnetic Sludge Filters

- FDM-1P
- FDM-1ME
- FDM-2
- FDM-3

02

FDM MAGNETIC SLUDGE FILTERS

for filtering water in heating loops

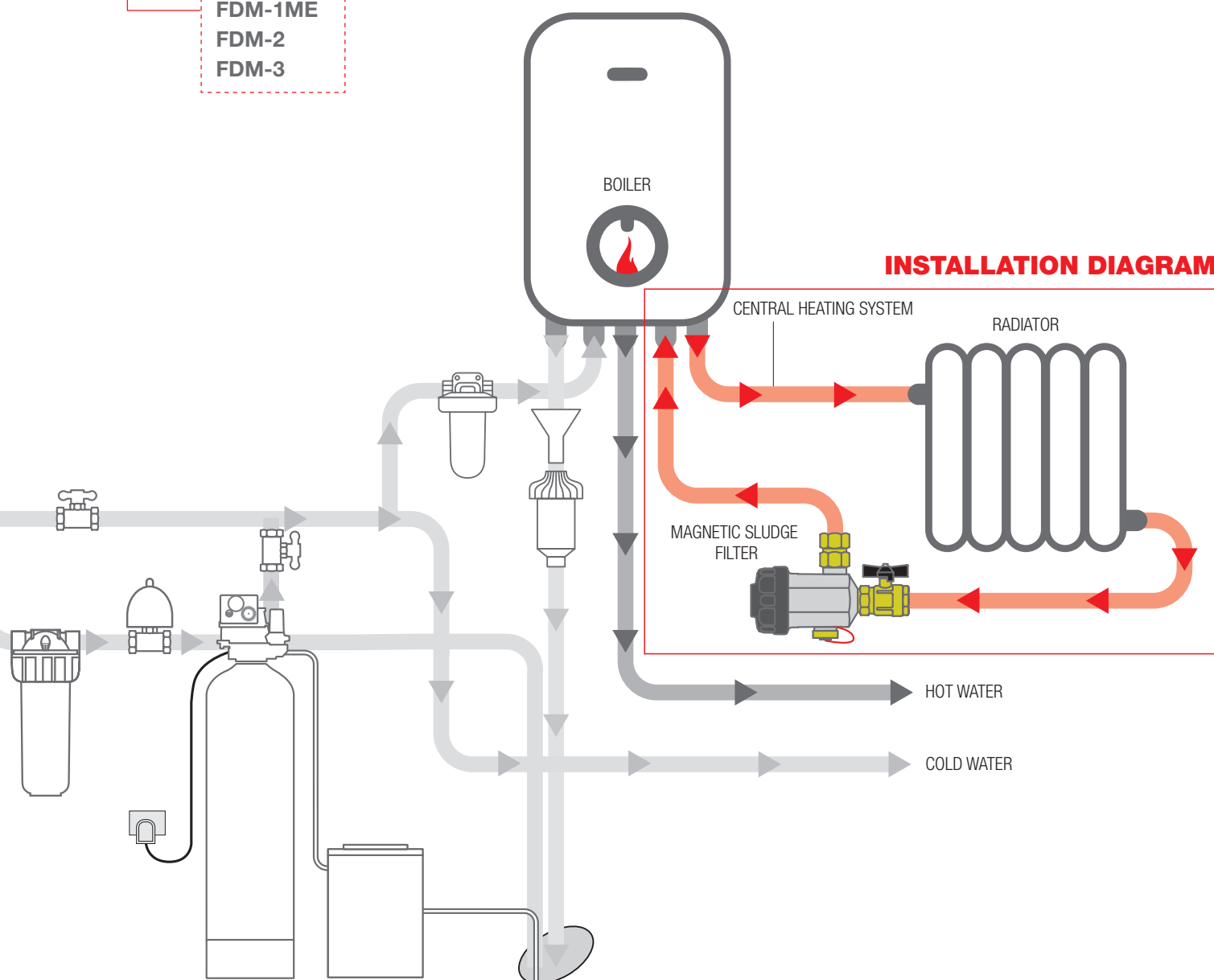
For heating systems that are **ALWAYS CLEAN** and boilers that are **ALWAYS EFFICIENT**

BENEFITS

- No more impurities and less risk of corrosion
- Continuous boiler protection
- Improved system efficiency
- Extremely versatile installation
- Quick and easy maintenance
- Complete with connection fittings
- No additional running costs

THE RANGE

- FDM-1P
- FDM-1ME
- FDM-2
- FDM-3





FDM-1P

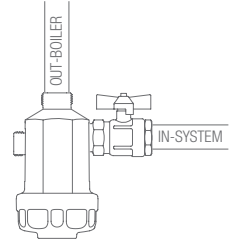
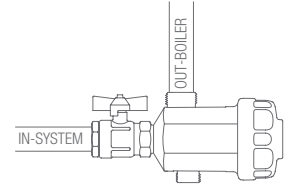
Super compact for small spaces

EXCLUSIVELY FOR DOMESTIC BOILERS with power up to 35 KW

The FDM-1P magnetic sludge filter can be installed in various ways. Where space under the boiler is limited, it can be installed with the main body horizontal and the cap facing forward.

If there is sufficient space, the FDM-1P can be installed with the body vertical and the cap facing down.

To change the direction of installation, simply reverse the positions of the rotary connection to the boiler and the ball valve, and turn the filter body through 90°. The FDM-1P comes complete with ball valve and brass rotary fitting.



OPERATING CONDITIONS

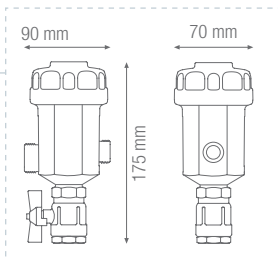
Compatible fluids: water, water + glycol
Max. operating pressure: 3 bar at 90°C (43 psi at 194°F)
Operating temperature: 4 to 90°C (39.2 to 194°F)

TECHNICAL SPECIFICATIONS

3/4" plastic fittings: Reinforced PA66 polyamide
Body and cap: Reinforced PA66 polyamide
Filter cartridge: AISI 304 L stainless steel
Filtration rating: 500 µm
Ball valve: CW 617 N brass
Rotary fitting: CW 617 N brass
O-rings: EPDM
Drain plug: CW 614 N brass - 1/2"
Magnet: NdFeB - 4500 Gauss
Magnet housing: CW 617 N brass / AISI 304 stainless steel
Magnet holder: Polypropylene

CODE	MODEL	IN/OUT FITTINGS
RE6170110	FDM-1P	3/4" BRASS

DIMENSIONS



FDM-1P



ACCESSORIES INCLUDED

wrench for FDM-1P



OPTIONAL ACCESSORY

3/4" F-F 90° valve
CODE AA7120045





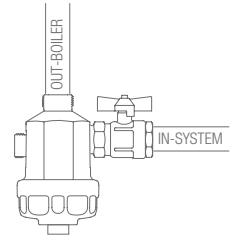
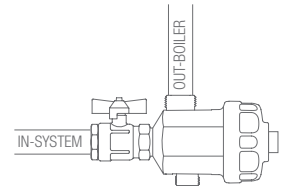
FDM-1ME NEW

With removable magnet - Super compact for small spaces
EXCLUSIVELY FOR DOMESTIC BOILERS with power up to 35 KW

FDM-1ME is a compact and easy-to-install magnetic sludge filter, suitable for protecting boilers from magnetic and non-magnetic particles that may form during the normal operation of a heating system.

Ferrous residues, algae, mud, and sand that can cause malfunctions and breakages will be easily removed.

The special shape and small size allow maintenance to be carried out while the filter is mounted: the magnet placed inside the FDM-1ME can be simply extracted by unscrewing the magnet cap, enormously facilitating the cleaning operations.

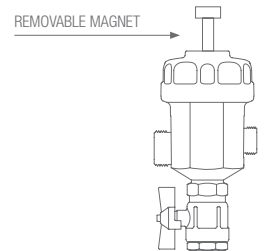


OPERATING CONDITIONS

Compatible fluids: water, water + glycol
Max. operating pressure: 3 bar at 90°C (43 psi at 194°F)
Operating temperature: 4 to 90°C (39.2 to 194°F)

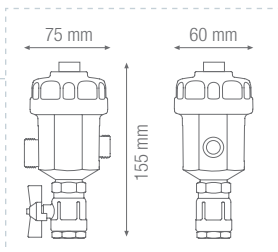
TECHNICAL SPECIFICATIONS

3/4" plastic fittings: Reinforced PA66 polyamide
Body: Reinforced PA66 polyamide.
Cap with magnet holder: Reinforced PA66 polyamide.
Filter cartridge: AISI 304 L stainless steel
Ball valve: CW 617 N Brass.
Swivel joint: CW 617 N. brass
O-rings: EPDM.
Discharge cap and magnet cap: Brass CW 614 N.
Magnet: NdFeB - 4500 Gauss.
Magnet container: stainless steel AISI 316.
Screws: stainless steel AISI 304/316
Filter rate: 500 µm.



CODE	MODEL	IN/OUT FITTINGS
RE6170181	FDM-1ME	3/4" BRASS

DIMENSIONS



FDM-1ME





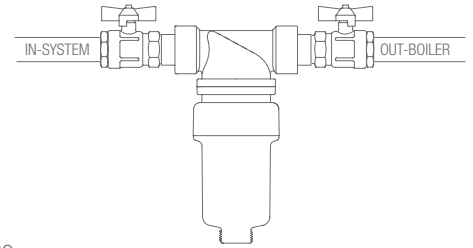
FDM-2

Designed for easy in-line installation

FOR DOMESTIC BOILERS with power up to 35 KW

The FDM-2 magnetic sludge filter is available in the following variants:
FDM 2/A plastic 3/4" and 1" - FDM 2/B brass 3/4" - FDM 2/C brass 1".

Totally reliable and ideal for in-line installation. A larger magnet and magnet holder than on the FDM-1P remove a greater quantity of magnetic particles.



OPERATING CONDITIONS

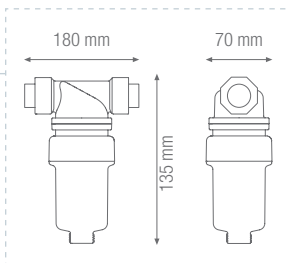
Compatible fluids: water, water + glycol
Max. operating pressure: 3 bar at 90°C (43 psi at 194°F)
Operating temperature: 4 to 90°C (39.2 to 194°F)

TECHNICAL SPECIFICATIONS

FDM-2/A - 3/4" and 1" plastic fittings:
Reinforced PA66 polyamide
FDM-2/B: 3/4" brass fittings: CW 617 N brass
FDM-2/B: 1" brass fittings: CW 617 N brass
Body and cap: Reinforced PA66 polyamide
Filter cartridge: AISI 304 L stainless steel
Filtration rating: 500 µm
O-rings: EPDM
Drain plug: CW 614 N brass - 3/4"
Magnet: NdFeB - 4500 Gauss
Magnet housing: CW 617 N brass / AISI 304 stainless steel
Magnet holder: Polypropylene

CODE	MODEL	IN/OUT FITTINGS
RE6170120	FDM-2A	3/4" - 1" PLASTIC
RE6170121	FDM-2B	3/4" BRASS
RE6170122	FDM-2C	1" BRASS

DIMENSIONS



OPTIONAL ACCESSORY

3/4" F-F 90° valve
CODE AA7120045



FDM-2A



FDM-2B



FDM-2C





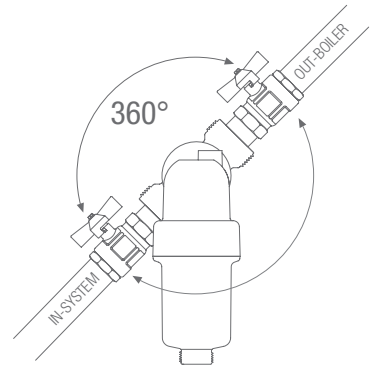
FDM-3

Follows all pipe slopes

FOR DOMESTIC BOILERS with power up to 35 KW

The FDM-3 magnetic sludge filter adapts to all requirements. Thanks to a special rotary fitting, it can be installed in sloping pipes and can even compensate for misalignment. A larger magnet and magnet holder than on the FDM-1P remove a greater quantity of magnetic particles. Also included:

- **Metal clip** for quicker removal and cleaning.
- **Threaded end cap** for bleeding and adding chemical additives for system protection and/or maintenance.



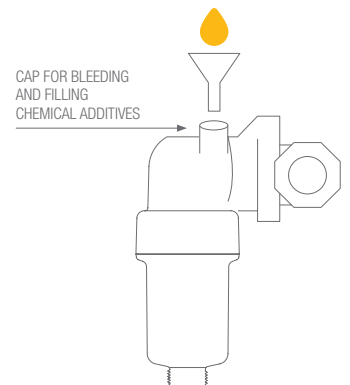
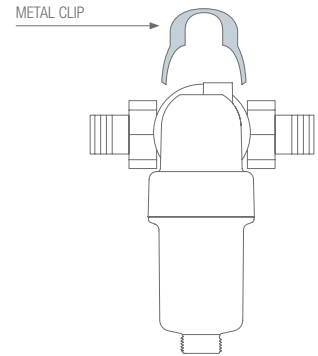
OPERATING CONDITIONS

Compatible fluids: water, water + glycol
 Max. operating pressure: 3 bar at 90°C (43 psi at 194°F)
 Operating temperature: 4 to 90°C (39.2 to 194°F)

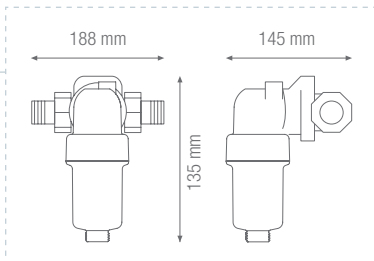
TECHNICAL SPECIFICATIONS

Fully rotatable plastic fittings, 3/4" and 1": Reinforced PA66 polyamide
 Body: Reinforced PA66 polyamide
 Filter cartridge: AISI 304 L stainless steel
 Filtration rating: 500 µm
 O-rings: EPDM
 Drain plug: CW 614 N brass - 3/4"
 Magnet: NdFeB - 4500 Gauss
 Magnet housing: CW 617 N brass / AISI 304 stainless steel
 Magnet holder: Polypropylene
 Bleed / filling cap: CW 614 N brass
 Locking clip / fork: AISI 304 stainless steel

CODE	MODEL	IN/OUT FITTINGS
RE6170130	FDM-3	3/4" - 1" PLASTIC



DIMENSIONS



FDM-3



OPTIONAL ACCESSORY

3/4" F-F 90° valve
CODE AA7120045





03

ACIDIC CONDENSATE NEUTRALISATION

Neutralising Filters

- NEUTRAL COND
- NEUTRAL MINI
- NEUTRAL 350

03

NEUTRALISING FILTERS

for treating the acidic condensate produced by condensing boilers

SAVINGS and RESPECT FOR THE ENVIRONMENT from the same product!

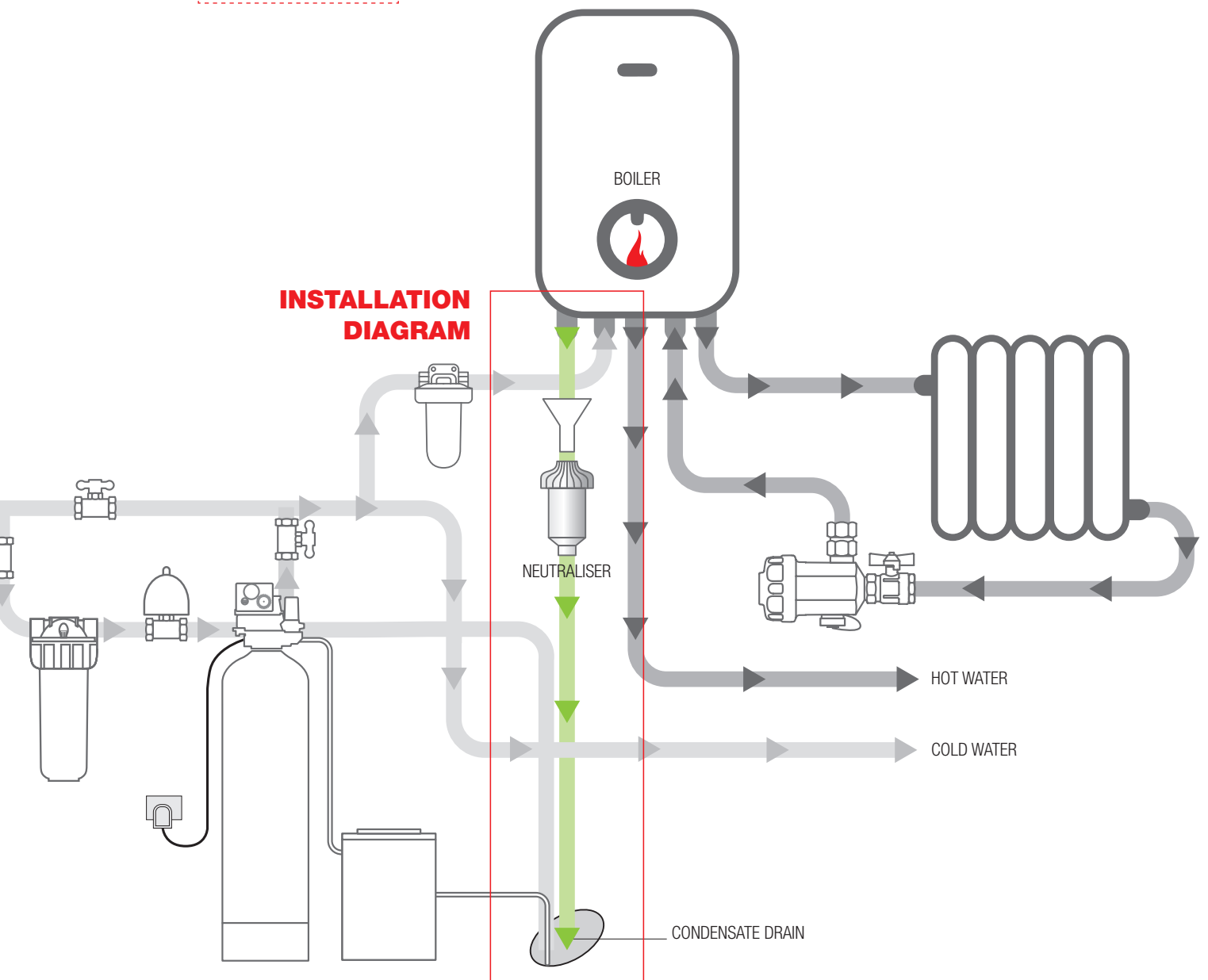
BENEFITS

- Effective neutralisation of acidic condensate
- Quick and easy installation
- Easy cleaning and maintenance
- Suitable for all condensing boilers
- Does not interfere with boiler operation

THE RANGE

- NEUTRAL COND
- NEUTRAL MINI
- NEUTRAL 350

INSTALLATION DIAGRAM

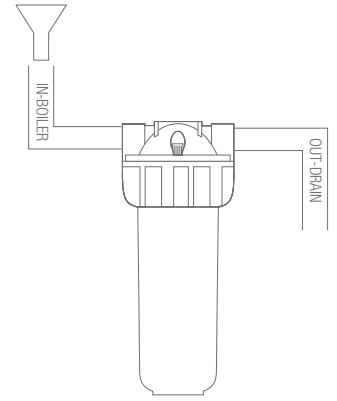




NEUTRAL COND

Version with **cartridge in neutralising material**
FOR CONDENSING BOILERS up to 100 KW

NEUTRAL COND is a neutralising filter for treating up to 10-12 litres/hour of acidic condensate produced by condensing boilers. The filter is installed in the drain line and is easy to maintain. All you need to do is replace the neutralising cartridge (P 10 COND) when exhausted.



OPERATING CONDITIONS

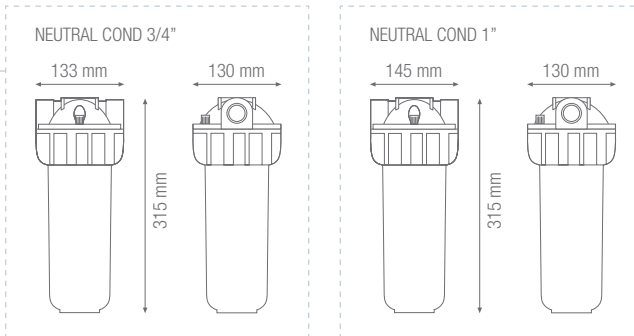
Maximum operating pressure: 3 bar (43 psi)
Maximum operating temperature: 55°C (131°F)
Minimum operating temperature: 4°C (39.2°F)

TECHNICAL SPECIFICATIONS

Head, ring nut and cup: pure polypropylene
O-ring: VITON
Bleed valve: polypropylene body, O-ring: VITON
Cartridge: Polystyrene

CODE	MODEL	IN/OUT FITTINGS
RE6170141	NEUTRAL COND 3/4"	3/4"
RE6170142	NEUTRAL COND 1"	1"

DIMENSIONS

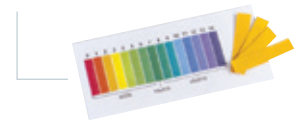


NEUTRAL COND



ACCESSORY INCLUDED

pH test kit (strips)
CODE RE8000015



REFILL

P 10 COND cartridge
CODE RE6170152





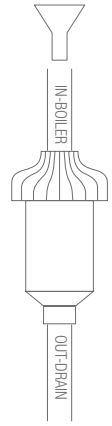
NEUTRAL MINI

Version with **quick refilling**
FOR CONDENSING BOILERS up to 35 KW

NEUTRAL MINI is a neutralising filter for treating up to 4 litres/hour of acidic condensate produced by domestic condensing boilers. The filter is installed in the drain line and is extremely easy to maintain. All you need to do is refill the neutralising agent when exhausted. The neutralising agent is available in bags of 100 grams each (single dose) and in tubs of 500 grams.

The filter comes with special hose fittings and wall mounting clips.

To verify the proper operation of the filter, simply measure the pH of the neutralised condensate leaving the filter (pH test kit included in the box).



OPERATING CONDITIONS

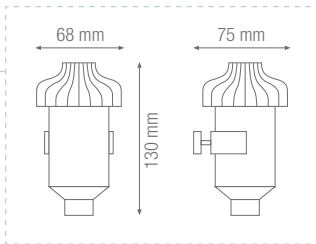
Maximum operating pressure: 3 bar (43 psi)
Maximum operating temperature: 55°C (131°F)
Minimum operating temperature: 4°C (39.2°F)

TECHNICAL SPECIFICATIONS

Head and cup: reinforced polypropylene
O-ring: EPDM
Hose fitting: NYLON

CODE	MODEL	IN/OUT FITTINGS
RE6170140	NEUTRAL MINI	3/4" with hose fittings

DIMENSIONS



NEUTRAL MINI

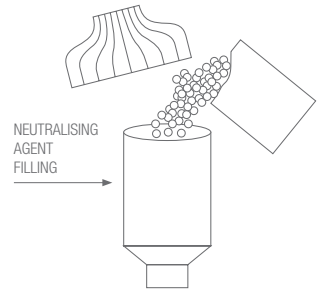


REFILLS

100 g single dose bag
Pack of 6 bags
CODE RE6170150



500 g tub
CODE RE6170151



ACCESSORIES INCLUDED

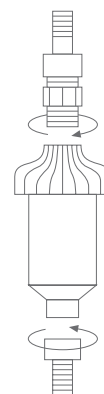
pH test kit (strips)
CODE RE8000015



3/4" hose fittings



wall mounting clip



INSTALLATION



NEUTRAL350 NEW

Version equipped with **ready-to-use refill**
FOR CONDENSING BOILERS up to 350 KW

It is good practice to provide for the neutralization of acidic condensate discharged from boilers. The condensate introduced into the NEUTRAL 350 follows a mandatory path through a mixture of inert materials, which perform two different functions: the first is the absorption of nitrates and sulfates, and the second is the pH adjustment. The acidity of the condensate can be controlled using the pH test kits.

OPERATING CONDITIONS

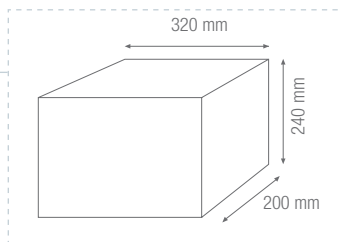
Maximum Flow Rate: 35.000 l/h (0,035 m³/h)
Maximum operating temperature: 55°C (131°F)
Minimum operating temperature: 4°C (39.2°F)

TECHNICAL SPECIFICATIONS

Cover: PP - Polypropylene
Body: PE - Polyethylene
Hose fitting: PVC - Polyvinyl Chloride
Media: Semi-calcined Dolomite granulate

CODE	MODEL	IN/OUT FITTINGS
RE6170143	NEUTRAL 350 KW	1" M

DIMENSIONS



NEUTRAL 350





04

DOMESTIC HOT WATER TREATMENT

Proportional dosing systems

[DOSAPLUS

Water softeners

[JUPITER
[HELIOS EVO

04

DOSAPLUS

for protecting boilers against limescale and fouling

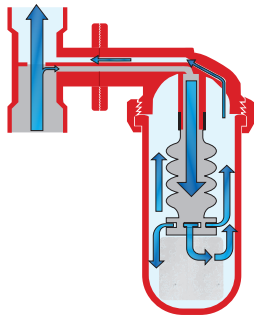
RELIABLE and COMPACT for use in tight spaces

designed according to:

- UNI EN 14812:2007 - Water conditioning equipment inside buildings - Chemical dosing systems - Pre-set dosing systems - Requirements for performance, safety and testing.
- UNI EN 1210:2005 - Chemicals used for treatment of water intended for human consumption - Sodium triphosphate .

BENEFITS

Easy maintenance thanks to quick refilling
Easy to install in tight spaces
Large choice of models for all needs

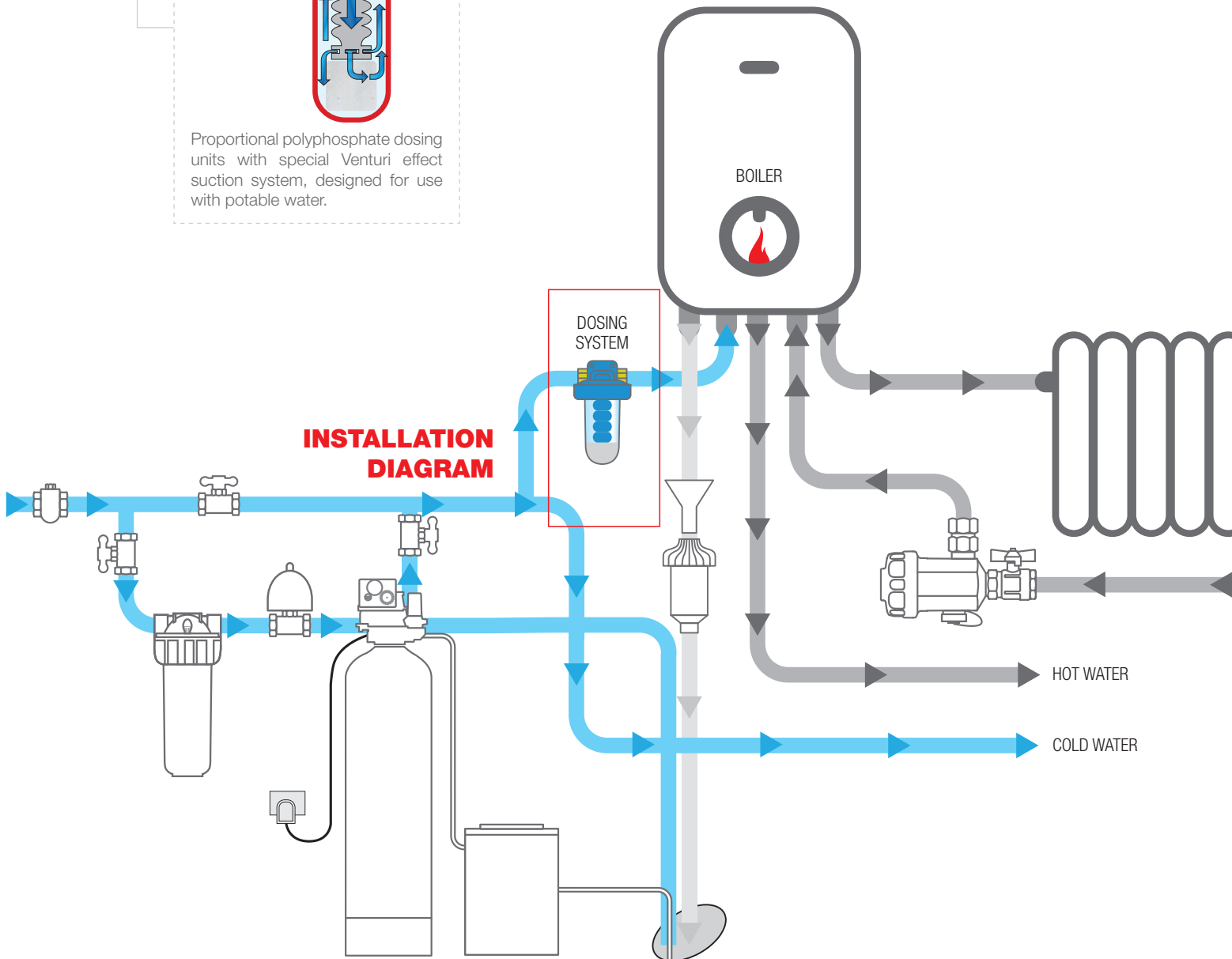


Proportional polyphosphate dosing units with special Venturi effect suction system, designed for use with potable water.

THE RANGE

DOSAPLUS 21-22
DOSAPLUS 1-2
DOSAPLUS 21TA-1TA
DOSAPLUS 23-24
DOSAPLUS 3-4
DOSAPLUS 13-14
DOSAPLUS 33
DOSAPLUS 5N-6N-7N

INSTALLATION DIAGRAM





DOSAPLUS 21-22

with brass head and female rotary fittings
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 21 and DOSAPLUS 22 are proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the domestic boiler, to treat water with hardness below 35°f. A special brass head and rotary fittings allow these units to be installed either horizontally or vertically. Both models feature screws for adjusting the dosage of polyphosphates into the water. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

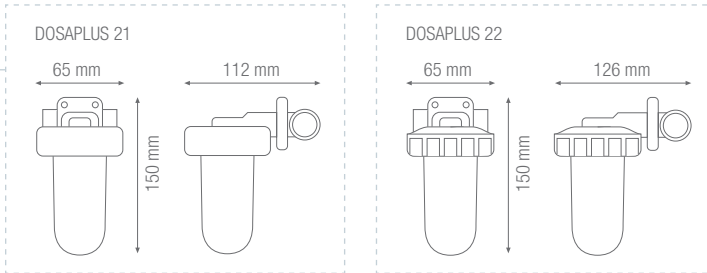
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: CW 602 N brass
Ring nut: CW 602 N brass
Cup: SAN
O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
IN/OUT fittings: CW 614 N brass

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050411	DOSAPLUS 21 2P FF	1/2"	1300	1800
RE4050412	DOSAPLUS 22 3P FF	1/2"	1300	1800

DIMENSIONS



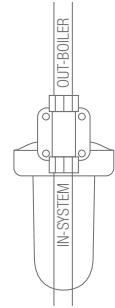
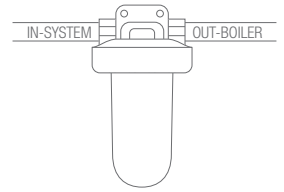
DOSAPLUS 21



DOSAPLUS 22



SCREW FOR
ADJUSTING
DOSAGE

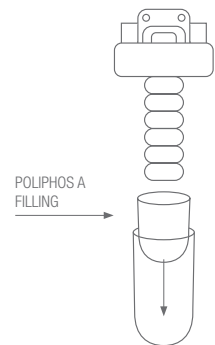


REFILLS INCLUDED

Poliphos A



Available in:
- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



ACCESSORIES INCLUDED

-Y- wrench for Dosaplus 21



-Z- wrench for Dosaplus 22





DOSAPLUS 1-2

with brass head and female rotary fittings **and rotating nuts**
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 1 and DOSAPLUS 2 are proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the boiler, to treat water with hardness below 35°f. A special brass head and rotary fittings allow these units to be installed either horizontally or vertically. Both models feature screws for adjusting the dosage of polyphosphates into the water. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

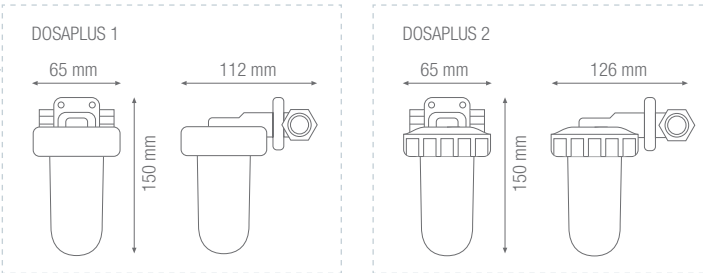
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: CW 602 N brass
Ring nut: CW 602 N brass
Cup: SAN
O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
IN/OUT fittings: CW 614 N brass

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050211	DOSAPLUS 1 2P DG	1/2"	1300	1800
RE4050212	DOSAPLUS 2 3P DG	1/2"	1300	1800

DIMENSIONS



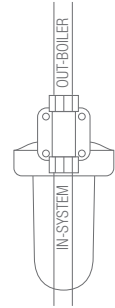
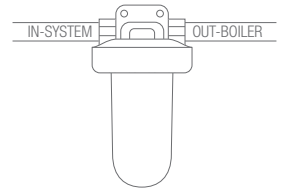
DOSAPLUS 1



DOSAPLUS 2



SCREW FOR
ADJUSTING
DOSAGE



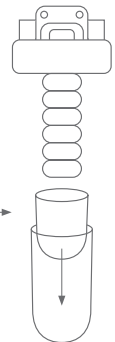
REFILLS INCLUDED

Poliphos A



Available in:

- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



POLIPHOS A
FILLING

ACCESSORIES INCLUDED

-Y- wrench for Dosaplus 1



-Z- wrench for Dosaplus 2





DOSAPLUS 21TA-1TA

with longer head (DIMA version) and brass rotary fittings (female or with rotating nuts)

MAXIMUM VERSATILITY FOR EASY INSTALLATION

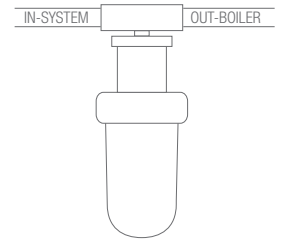
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 21TA AND DOSAPLUS 1TA are proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the boiler, to treat water with a hardness below 35°f. A longer head (on the DIMA version) is available for difficult applications and for easier installation and maintenance in particularly tight spaces. Both models feature screws for adjusting the dosage of polyphosphates into the water. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

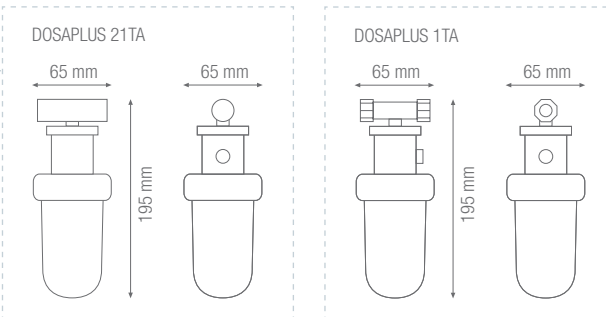


TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: CW 602 N brass
Cup: SAN - O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
IN/OUT fittings: CW 614 N brass

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050415	DOSAPLUS 21TA 2P FF	1/2"	1300	1800
RE4050215	DOSAPLUS 1TA 2P DG	1/2"	1300	1800

DIMENSIONS



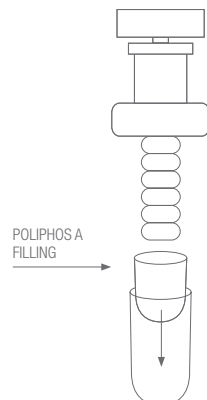
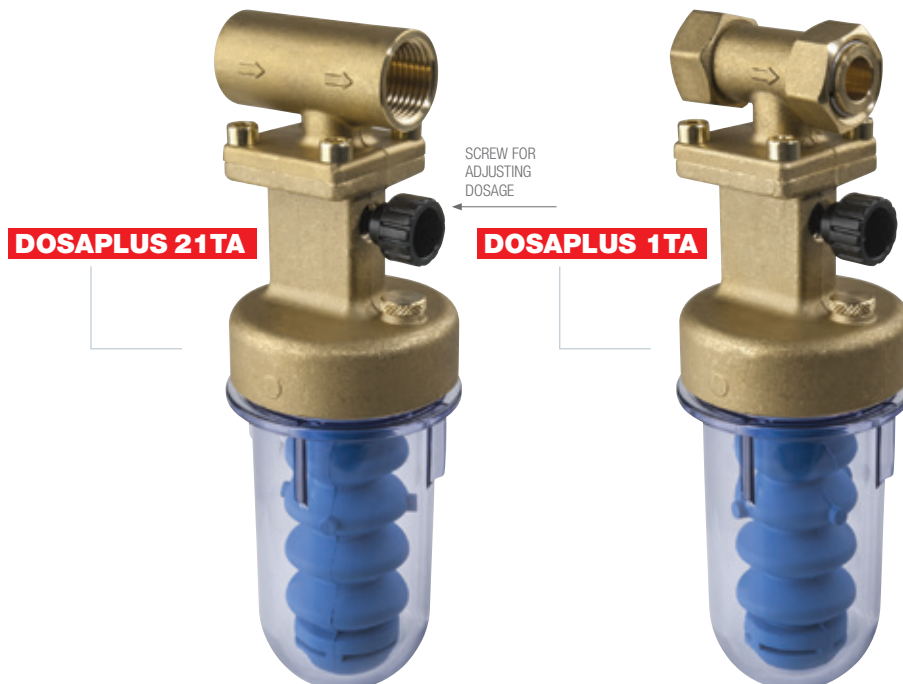
REFILLS INCLUDED

Poliphos A



Available in:

- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



ACCESSORY INCLUDED

-Y- wrench





DOSAPLUS 23-24

with plastic head and brass female rotary fittings
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 23 and DOSAPLUS 24 are proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the boiler, to treat water with hardness below 35^of. A special brass head and rotary fittings allow these units to be installed either horizontally or vertically. DOSAPLUS 23 is also equipped with a built-in by-pass lever that makes maintenance and refilling particularly easy. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°F (350 ppm CaCO₃)

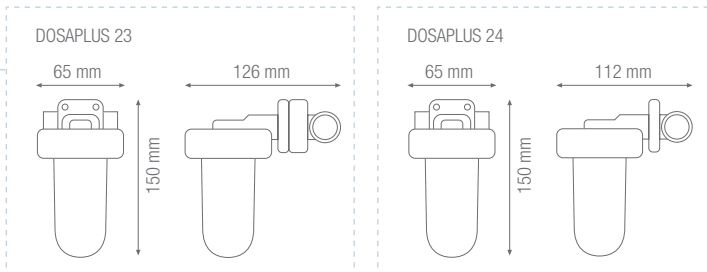
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: reinforced polypropylene
Cup: SAN
O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
IN/OUT fittings: CW 614 N brass

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050413	DOSAPLUS 23 FF	1/2"	1300	1800
RE4050414	DOSAPLUS 24 FF	1/2"	1300	1800

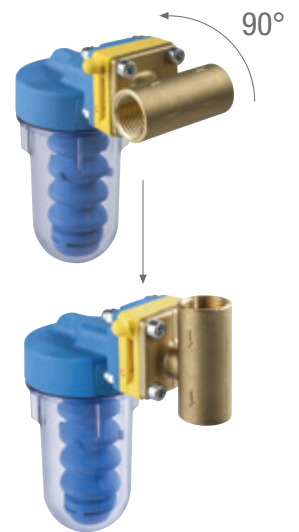
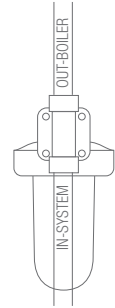
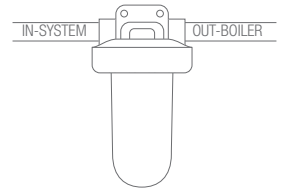
DIMENSIONS



DOSAPLUS 23



DOSAPLUS 24



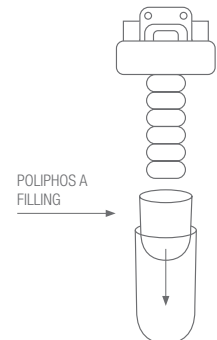
REFILLS INCLUDED

Poliphos A



Available in:

- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



ACCESSORY INCLUDED

-Y- wrench





DOSAPLUS 3-4

with plastic head and brass rotary fittings **and rotating nuts**
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 3 and DOSAPLUS 4 are proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the boiler, to treat water with hardness below 35°f. A special brass head and rotary fittings allow these units to be installed either horizontally or vertically. DOSAPLUS 3 is also equipped with a built-in by-pass lever that makes maintenance and refilling particularly easy. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

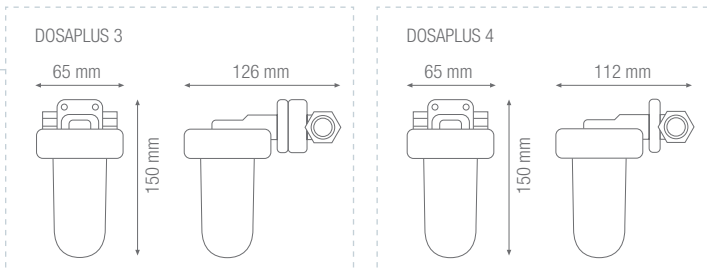
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: reinforced polypropylene
Cup: SAN
O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
IN/OUT fittings: CW 614 N brass

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050213	DOSAPLUS 3 DG	1/2"	1300	1800
RE4050214	DOSAPLUS 4 DG	1/2"	1300	1800

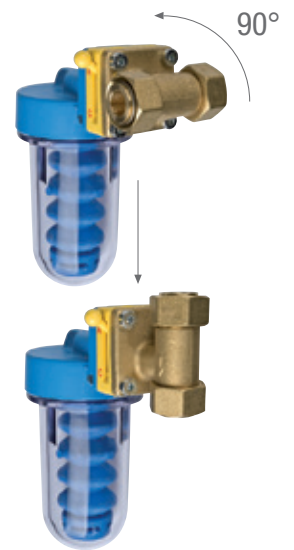
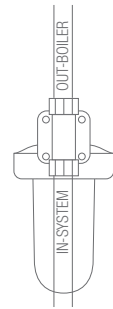
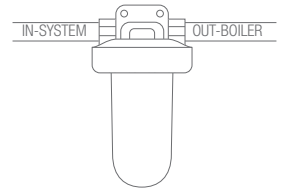
DIMENSIONS



DOSAPLUS 3



DOSAPLUS 4



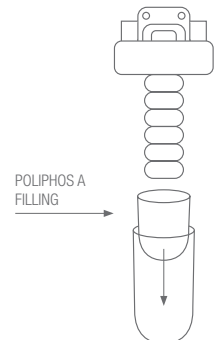
REFILLS INCLUDED

Poliphos A



Available in:

- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



ACCESSORY INCLUDED

-Y- wrench





DOSAPLUS 13-14

with plastic head and plastic female rotary fittings
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 13 and DOSAPLUS 14 are proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the boiler, to treat water with hardness below 35°f. A special plastic head and plastic rotary fittings allow these units to be installed either horizontally or vertically. DOSAPLUS 13 is also equipped with a built-in by-pass lever that makes maintenance and refilling particularly easy. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

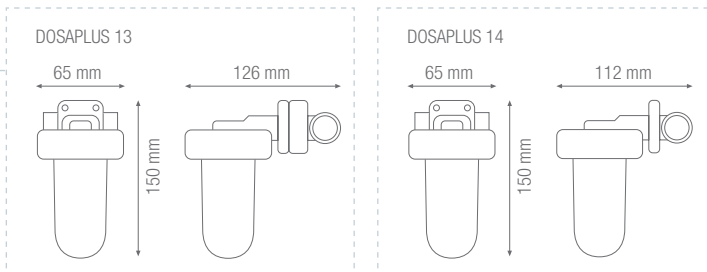
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: reinforced polypropylene
Cup: SAN
O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
IN/OUT fittings: reinforced polypropylene

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050313	DOSAPLUS 13	1/2"	1300	1800
RE4050314	DOSAPLUS 14	1/2"	1300	1800

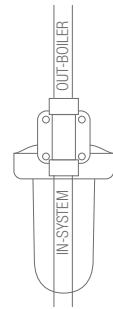
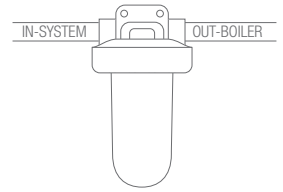
DIMENSIONS



DOSAPLUS 13



DOSAPLUS 14



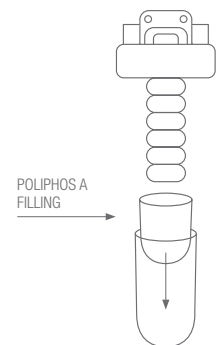
REFILLS INCLUDED

Poliphos A



Available in:

- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



ACCESSORY INCLUDED

-Y- wrench





DOSAPLUS33 NEW

with 3 ports brass head
FOR DOMESTIC BOILERS up to 35 KW

DOSAPLUS 33 is the new proportional dosing units for quick refilling with POLIPHOS A. They are designed for installation directly at the point of use, under the boiler, to treat water with hardness below 35°f. A special 3 ports head allows both in-line and 90° installation thanks to the included plug that closes the unused connection. DOSAPLUS 33 is also equipped with an inlet tap (shut-off valve) that blocks the flow of incoming water, simplifying maintenance operations. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

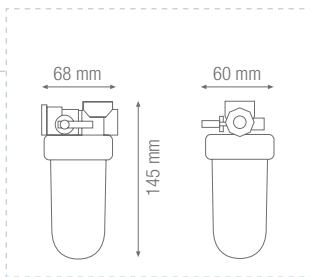
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

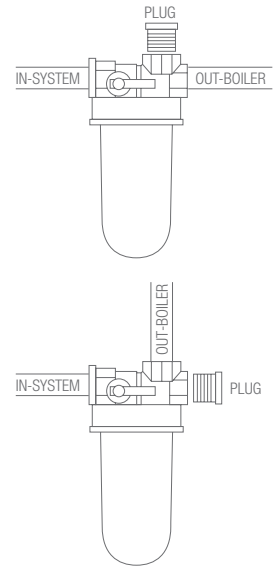
Non-toxic materials, suitable for potable water
Head: CW 602 N brass
Cup: SAN
O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050216	DOSAPLUS 33	1/2"	1300	1800

DIMENSIONS



DOSAPLUS 33



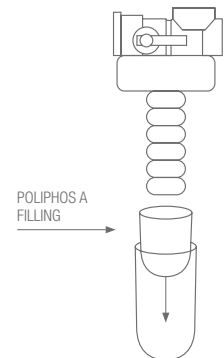
REFILLS INCLUDED

Poliphos A



Available in:

- 2 refill skinpacks
CODE RE5000055
- 12 refill packs
CODE RE5000057



ACCESSORY INCLUDED

-Y- wrench





DOSAPLUS 5N-6N-7N

with plastic head and female rotary fittings in plastic and brass

FOR DOMESTIC BOILERS up to 100 KW

DOSAPLUS 5N, 6N and 7N are proportional dosing units for quick refilling with POLIPHOS B. They are designed for installation at the point of entry into the system, to treat water with hardness below 35°f. A special head and rotary fittings in plastic or brass allow these units to be installed in horizontal or vertical pipes. The rotary fittings include pipe fittings and threaded ring nuts for easy installation. Designed for use with potable water.

OPERATING CONDITIONS

Maximum operating pressure: 8 bar (116 psi)
Maximum operating temperature: 45°C (113°F)
Minimum operating temperature: 4°C (39.2°F)
Total maximum hardness: 35°f (350 ppm CaCO₃)

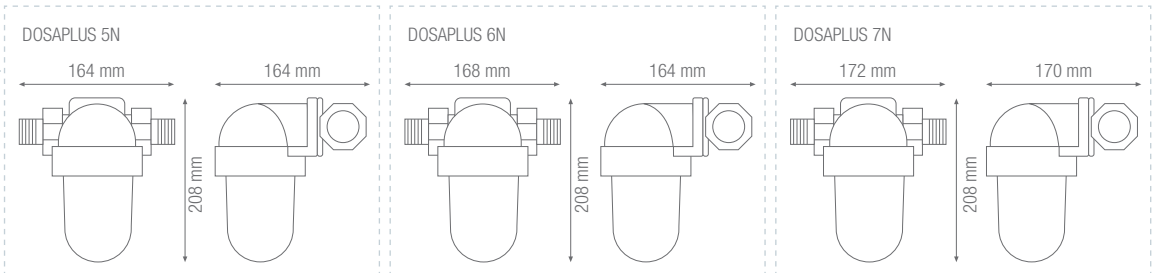
Warning! Treated water can be heated to 75°C - 80°C, but above this temperature the polyphosphate becomes gradually less effective.

TECHNICAL SPECIFICATIONS

Non-toxic materials, suitable for potable water
Head: reinforced polypropylene Cup: PET. O-ring: EPDM
Bleed valve: body in stainless steel, O-ring in EPDM
Bellows: natural rubber (NBR)
Rotary fittings:
 Dosaplus 5 N-6 N: CW 617 N brass
 Dosaplus 7 N: reinforced nylon
Flat seals: NBR

CODE	MODEL	IN/OUT	AVERAGE FLOW RATE (l/h)	MAX FLOW RATE (l/h)
RE4050500	DOSAPLUS 5N	3/4" BRASS	2500	3000
RE4050515	DOSAPLUS 6N	1" BRASS	3500	5000
RE4050520	DOSAPLUS 7N	3/4" PLASTIC	2500	3000
	DOSAPLUS 7N	1" PLASTIC	3500	5000

DIMENSIONS



DOSAPLUS 5N

3/4" BRASS

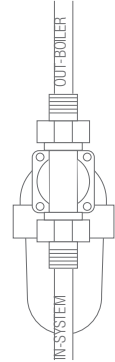
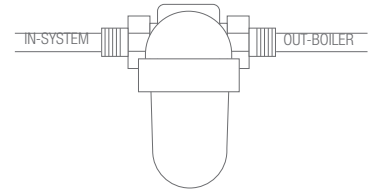


DOSAPLUS 6N

1" BRASS

DOSAPLUS 7N

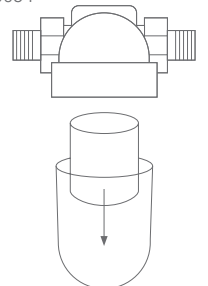
3/4" / 1" PLASTIC



REFILL INCLUDED

Poliphos B
CODE RE5000054

POLIPHOS B
FILLING



ACCESSORY INCLUDED

-X- wrench



04

WATER SOFTENERS

for preventing limescale formation

EFFECTIVE TREATMENT for HARD WATER supplies

BENEFITS

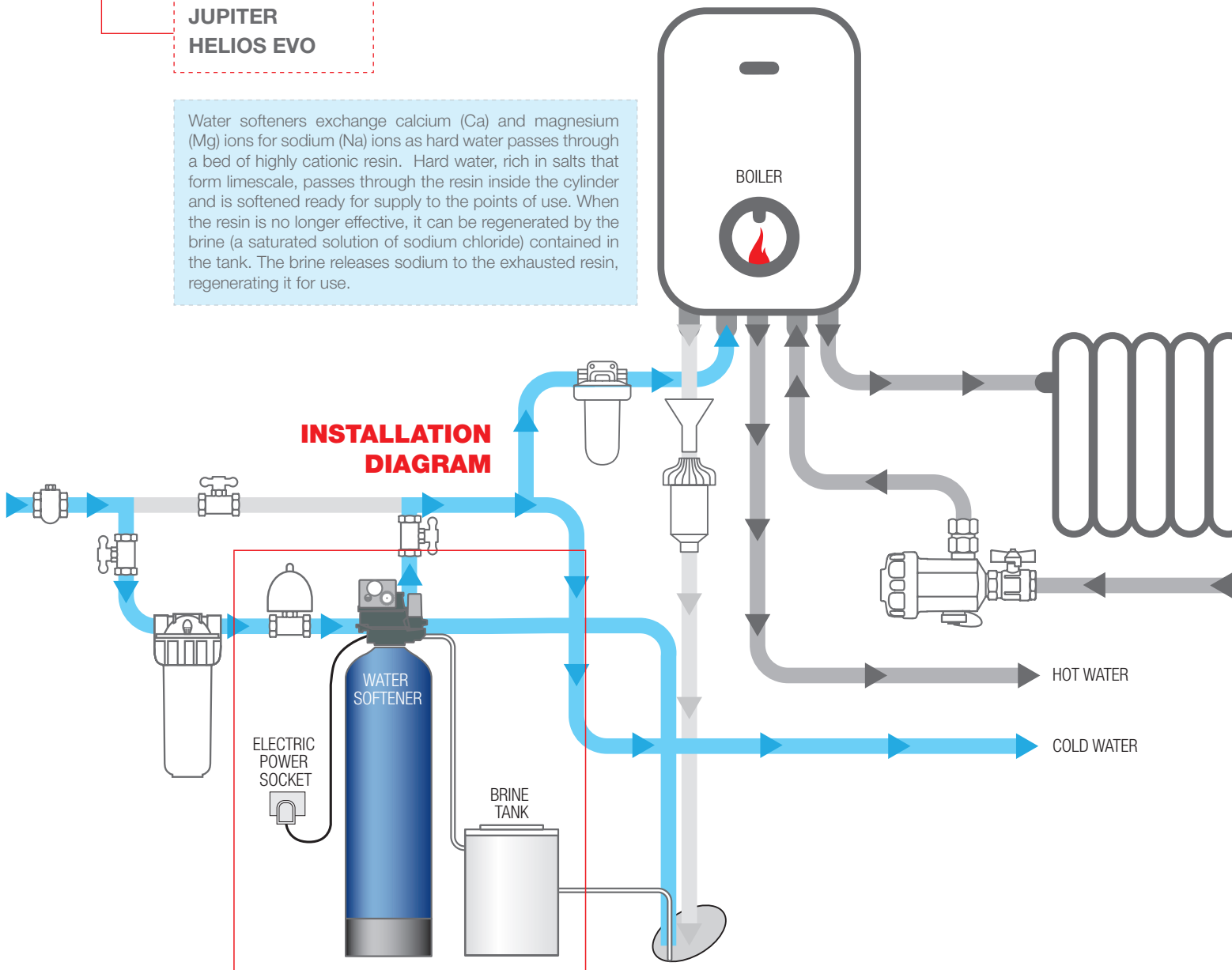
Greater efficiency from all water heaters and heating loops
Significant reduction in energy consumption
Limescale formation prevented in:
pipes, boilers, storage cylinders, water systems and domestic appliances in general
Programmable regeneration cycles
Linen always soft and clean after the wash
Lower detergent consumption
Longer lasting linen

THE RANGE

JUPITER HELIOS EVO

Water softeners exchange calcium (Ca) and magnesium (Mg) ions for sodium (Na) ions as hard water passes through a bed of highly cationic resin. Hard water, rich in salts that form limescale, passes through the resin inside the cylinder and is softened ready for supply to the points of use. When the resin is no longer effective, it can be regenerated by the brine (a saturated solution of sodium chloride) contained in the tank. The brine releases sodium to the exhausted resin, regenerating it for use.

INSTALLATION DIAGRAM





JUPITERATL

With **timed control valve**

Legislative Decree 26/06/2015 makes the installation of a water softener like JUPITER ATL mandatory for:

- boilers of under 100 kW when water hardness exceeds 35°f
- boilers of over 100 kW when water hardness exceeds 15°f

These water softeners feature a separate resin cylinder and brine tank. Regeneration is controlled by a timed valve (ATL) that allows time and frequency to be set. Resin capacity ranges from a minimum of 10 to a maximum of 120 litres to meet the requirements of both domestic and larger applications. For larger capacities and industrial applications, see our complete range in the ATLAS FILTRI ENGINEERING catalogue.

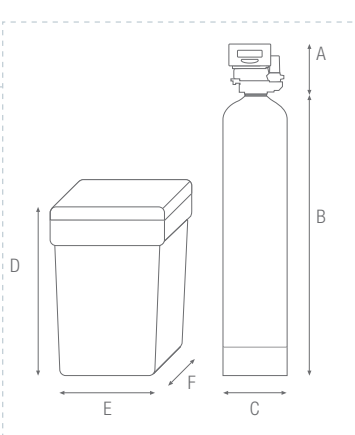
OPERATING CONDITIONS

Maximum pressure: 6 bar (87 psi)
 Minimum pressure: 2 bar (29 psi)
 Maximum temperature: 50°C (122°F)
 Max. Fe concentration: 0.1 ppm
 Max. free chlorine concentration: 0.5 ppm
 Power supply: 12 V
 Power consumption: 8 W

CODE	MODEL	VALVE AUTOTROL	IN/OUT	RESIN [l]	CYCLE CAPACITY* [m³ X °f]	SALT FOR REGENERATION [kg]	FLOW RATE* [m³/h]	MAX FLOW RATE* [m³/h]	FLOW RATE COUNTER-FLOW WASH
NEA1000009	JUPITER 10 ATL	LOGIX 255/740	3/4"	10	60	1,5	1,1	1,5	0,4
NEA1000010	JUPITER 15 ATL	LOGIX 255/740	3/4"	15	90	2,25	0,9	1,1	0,3
NEA1000011	JUPITER 30 ATL	LOGIX 255/740	3/4"	30	180	4,5	1,8	2,3	0,6
NEA1000012	JUPITER 50 ATL	LOGIX 255/740	1"	50	300	7,5	2,1	2,5	0,6
NEA1000013	JUPITER 70 ATL	LOGIX 255/740	1"	70	420	10,5	3	3,9	0,9
NEA1000014	JUPITER 100 ATL	LOGIX 268/740	1"	100	600	15	3,5	4,5	1,1
NEA1000015	JUPITER 120 ATL	LOGIX 268/740	1"	120	720	18	4,5	5,8	1,6

* Cycle capacity and flow rate values refer to a water supply with hardness of 30°f (300 ppm CaCO₃), TDS of 500 ppm and temperature of 20° C.

DIMENSIONS



MODEL	A [mm]	B [mm]	A + B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	WEIGHT [kg]
JUPITER 10 ATL	190	432	622	214	790	380	380	18
JUPITER 15 ATL	190	898	1088	189	790	380	380	26
JUPITER 30 ATL	190	897	1087	264	790	380	380	40
JUPITER 50 ATL	190	1386	1576	264	825	565	565	63
JUPITER 70 ATL	190	1398	1588	338	825	565	565	82
JUPITER 100 ATL	180	1674	1854	365	1105	565	565	112
JUPITER 120 ATL	180	1671	1851	416	1105	565	565	120

JUPITER ATL



ACCESSORY INCLUDED

Hardness test kit (drops)
 CODE NEA1015009



OPTIONAL ACCESSORIES

Manual by-pass for 255 valves
 CODE NEA1015120
 Manual by-pass for 268 valves
 CODE NEA1015121



ATL chlorine generator for resin disinfection
 CODE NEA1015500





JUPITERAVL

With volumetric control valve

Legislative Decree 26/06/2015 makes the installation of a water softener like JUPITER AVL mandatory for:

- boilers of under 100 kW when water hardness exceeds 35°f
- boilers of over 100 kW when water hardness exceeds 15°f

These water softeners feature a separate resin cylinder and brine tank. Regeneration is controlled by a volumetric valve (AVL) that starts the regeneration cycle on the basis of actual water consumption (i.e. after a pre-determined volume of water has passed through) and also on the basis of resin capacity and water supply hardness. Resin capacity ranges from a minimum of 10 to a maximum of 120 litres to meet the requirements of both domestic and larger applications. For larger capacities and industrial applications, see our complete range in the ATLAS FILTRI ENGINEERING catalogue.

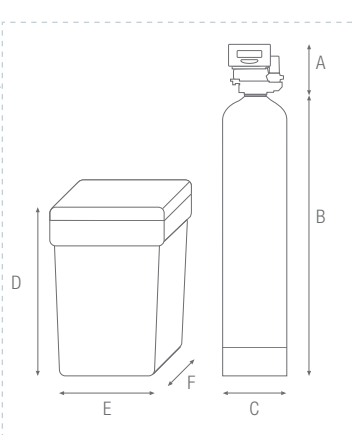
OPERATING CONDITIONS

Maximum pressure: 6 bar (87 psi)
 Minimum pressure: 2 bar (29 psi)
 Maximum temperature: 50°C (122°F)
 Max. Fe concentration: 0.1 ppm
 Max. free chlorine concentration: 0.5 ppm
 Power supply: 12 V
 Power consumption: 8 W

CODE	MODEL	VALVE AUTOTROL	IN/OUT	RESIN [l]	CYCLE CAPACITY* [m³ X °f]	SALT FOR REGENERATION [kg]	FLOW RATE* [m³/h]	MAX FLOW RATE* [m³/h]	FLOW RATE COUNTER-FLOW WASH
NEA1000026	JUPITER 10 AVL	LOGIX 255/760	3/4"	10	60	1,5	1,1	1,5	0,4
NEA1000027	JUPITER 15 AVL	LOGIX 255/760	3/4"	15	90	2,25	0,9	1,1	0,3
NEA1000028	JUPITER 30 AVL	LOGIX 255/760	3/4"	30	180	4,5	1,8	2,3	0,6
NEA1000029	JUPITER 50 AVL	LOGIX 255/760	1"	50	300	7,5	2,1	2,5	0,6
NEA1000030	JUPITER 70 AVL	LOGIX 255/760	1"	70	420	10,5	3	3,9	0,9
NEA1000031	JUPITER 100 AVL	LOGIX 268/760	1"	100	600	15	3,5	4,5	1,1
NEA1000032	JUPITER 120 AVL	LOGIX 268/760	1"	120	720	18	4,5	5,8	1,6

* Cycle capacity and flow rate values refer to a water supply with hardness of 30°f (300 ppm CaCO3), TDS of 500 ppm and temperature of 20° C.

DIMENSIONS



MODEL	A [mm]	B [mm]	A + B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	WEIGHT [kg]
JUPITER 10 AVL	190	432	622	214	790	380	380	18
JUPITER 15 AVL	190	898	1088	189	790	380	380	26
JUPITER 30 AVL	190	897	1087	264	790	380	380	40
JUPITER 50 AVL	190	1386	1576	264	825	565	565	63
JUPITER 70 AVL	190	1398	1588	338	825	565	565	82
JUPITER 100 AVL	180	1674	1854	365	1105	565	565	112
JUPITER 120 AVL	180	1671	1851	416	1105	565	565	120

JUPITER AVL



ACCESSORY INCLUDED

Hardness test kit (drops)
 CODE NEA1015009



OPTIONAL ACCESSORIES

Manual by-pass for 255 valves
 CODE NEA1015120

Manual by-pass for 268 valves
 CODE NEA1015121



ATL chlorine generator for resin disinfection
 CODE NEA1015500





JUPITER CAB

Compact version for use in **confined spaces**

JUPITER CAB water softeners are ideal for use in domestic applications. These compact and elegant systems can be installed in apartments and family homes (up to 4/5 persons). In JUPITER CAB water softeners, the resin cylinder is installed inside the brine tank, making installation possible even in tight spaces. JUPITER CAB water softeners have a resin capacity ranging from 4.5 to 30 litres. Available in a timed version (JUPITER CAB ATL), a volumetric version (JUPITER CAB AVL) and an even smaller version (MINICAB), also with timed and volumetric regeneration, these softeners are ideal for installation at points of use in bars, restaurants and offices to protect individual appliances.

OPERATING CONDITIONS

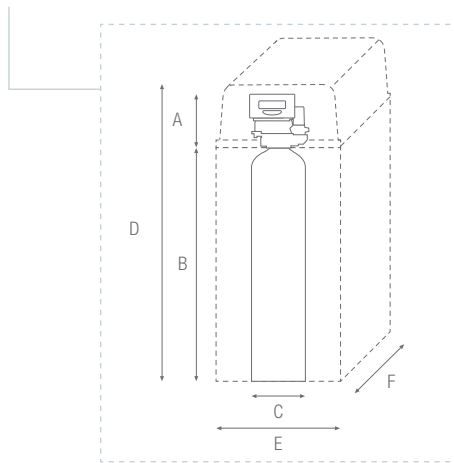
Maximum pressure: 6 bar (87 psi)
 Minimum pressure: 2 bar (29 psi)
 Maximum temperature: 50°C (122°F)
 Max. Fe concentration: 0.1 ppm
 Max. free chlorine concentration: 0.5 ppm
 Power supply: 12 V
 Power consumption: 8 W

CODE	MODEL	VALVE AUTOTROL	IN/OUT	RESIN [l]	CYCLE CAPACITY* [m³ X °f]	SALT FOR REGENERATION [kg]	FLOW RATE* [m³/h]	MAX FLOW RATE* [m³/h]	FLOW RATE COUNTER-FLOW WASH
NEA1000001	JUPITER CAB 05 ATL MINICAB	LOGIX 255/740	3/4"	4,5	25	0,75	0,4	0,6	0,4
NEA1000002	JUPITER CAB 10 ATL	LOGIX 255/740	3/4"	10	60	1,5	1,1	1,5	0,4
NEA1000003	JUPITER CAB 15 ATL	LOGIX 255/740	3/4"	15	90	2,25	0,9	1,1	0,3
NEA1000004	JUPITER CAB 30 ATL	LOGIX 255/740	3/4"	30	180	4,5	1,8	2,3	0,6

CODE	MODEL	VALVE AUTOTROL	IN/OUT	RESIN [l]	CYCLE CAPACITY* [m³ X °f]	SALT FOR REGENERATION [kg]	FLOW RATE* [m³/h]	MAX FLOW RATE* [m³/h]	FLOW RATE COUNTER-FLOW WASH
NEA1000005	JUPITER CAB 05 AVL MINICAB	LOGIX 255/760	3/4"	4,5	25	0,75	0,4	0,6	0,4
NEA1000006	JUPITER CAB 10 AVL	LOGIX 255/760	3/4"	10	60	1,5	1,1	1,5	0,4
NEA1000007	JUPITER CAB 15 AVL	LOGIX 255/760	3/4"	15	90	2,25	0,9	1,1	0,3
NEA1000008	JUPITER CAB 30 AVL	LOGIX 255/760	3/4"	30	180	4,5	1,8	2,3	0,6

* Cycle capacity and flow rate values refer to a water supply with hardness of 30°f (300 ppm CaCO3), TDS of 500 ppm and temperature of 20° C.

DIMENSIONS



MODEL	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	WEIGHT [kg]
JUPITER CAB 05 ATL MINICAB	190	340	189	540	240	430	7
JUPITER CAB 10 ATL	190	432	214	650	330	500	18
JUPITER CAB 15 ATL	190	898	189	1130	330	500	26
JUPITER CAB 30 ATL	190	897	264	1130	330	500	40
JUPITER CAB 05 AVL - MINICAB	190	340	189	540	240	430	7
JUPITER CAB 10 AVL	190	432	214	650	330	500	18
JUPITER CAB 15 AVL	190	898	189	1130	330	500	26
JUPITER CAB 30 AVL	190	897	264	1130	330	500	40

JUPITER MINICAB



JUPITER CAB



ACCESSORY INCLUDED

Hardness test kit (drops)
 CODE NEA1015009



OPTIONAL ACCESSORIES

Manual by-pass for 255 valves
 CODE NEA1015120



ATL chlorine generator
 for resin disinfection
 CODE NEA1015500





HELIOSEVO NEW

Low salt and water consumption single-body softener
NEW DESIGN with advanced electronics

HELIOS EVO series water softeners deliver significant savings thanks to PROPORTIONAL REGENERATION: an evolved electronic control system regulates water and salt consumption on the basis of water consumption by the user. The control unit maintains settings even in the event of a power failure, ensuring that the unit continues to operate efficiently when power is restored. The display is multilingual and energy saving (it turns off after 5 minutes of non-use). Inlet and outlet hardness can be set; the valve automatically adapts the cycle make the most of system capacity. Resin capacity ranges from a minimum of 11 to a maximum of 27 litres of resin, making these units ideal for domestic and small professional applications. Special models can be designed and made to provide larger capacities and meet the needs of industrial applications.

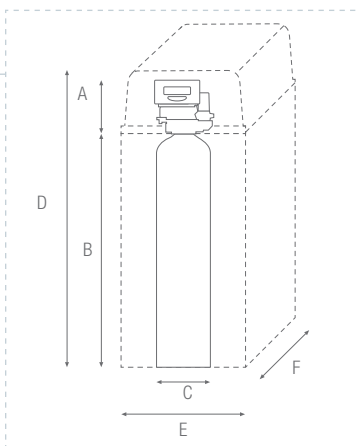
OPERATING CONDITIONS

Maximum pressure: 6 bar (87 psi) - Minimum pressure: 2 bar (29 psi)
 Maximum temperature: 50°C (122°F)
 Max. Fe concentration: 0.1 ppm
 Max. free chlorine concentration: 0.5 ppm
 Power supply: 12 V
 Power consumption: 8 W

CODE	MODEL	VALVE	IN/OUT	RESIN	CYCLE CAPACITY* [m³ X °f]	SALT FOR REGENERATION [kg]	FLOW RATE* [m³/h]	MAX FLOW RATE* [m³/h]
NEA1000220	HELIOS EVO CAB 11 UF	CLACK UF	3/4"	11	66	1,7	1,2	1,4
NEA1000221	HELIOS EVO CAB 16 UF	CLACK UF	3/4"	16	96	2,4	1,7	2,2
NEA1000222	HELIOS EVO CAB 22 UF	CLACK UF	3/4"	22	132	3,3	1,3	1,6
NEA1000223	HELIOS EVO CAB 27 UF	CLACK UF	3/4"	27	162	4,1	1,6	1,9

* Cycle capacity and flow rate values refer to a water supply with hardness of 30°F (300 ppm CaCO₃), TDS of 500 ppm and temperature of 20° C.

DIMENSIONS



MODEL	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	WEIGHT [kg]
HELIOS EVO CAB 11 UF	180	432	214	730	320	510	15
HELIOS EVO CAB 16 UF	180	771	182	730	320	510	20
HELIOS EVO CAB 22 UF	180	771	206	1080	320	510	31
HELIOS EVO CAB 27 UF	180	771	232	1080	320	510	36

HELIOS EVO



ACCESSORIES INCLUDED

Hardness test kit (drops)
 CODE NEA1015009





05

FLUSHING AND PROTECTION FOR WATER HEATERS and HEATING LOOPS

Chemical products

- Aficlean
- Afiox
- Dical
- Neutral
- Poliphos L

05

CHEMICAL ADDITIVES

for protecting and maintaining heating systems

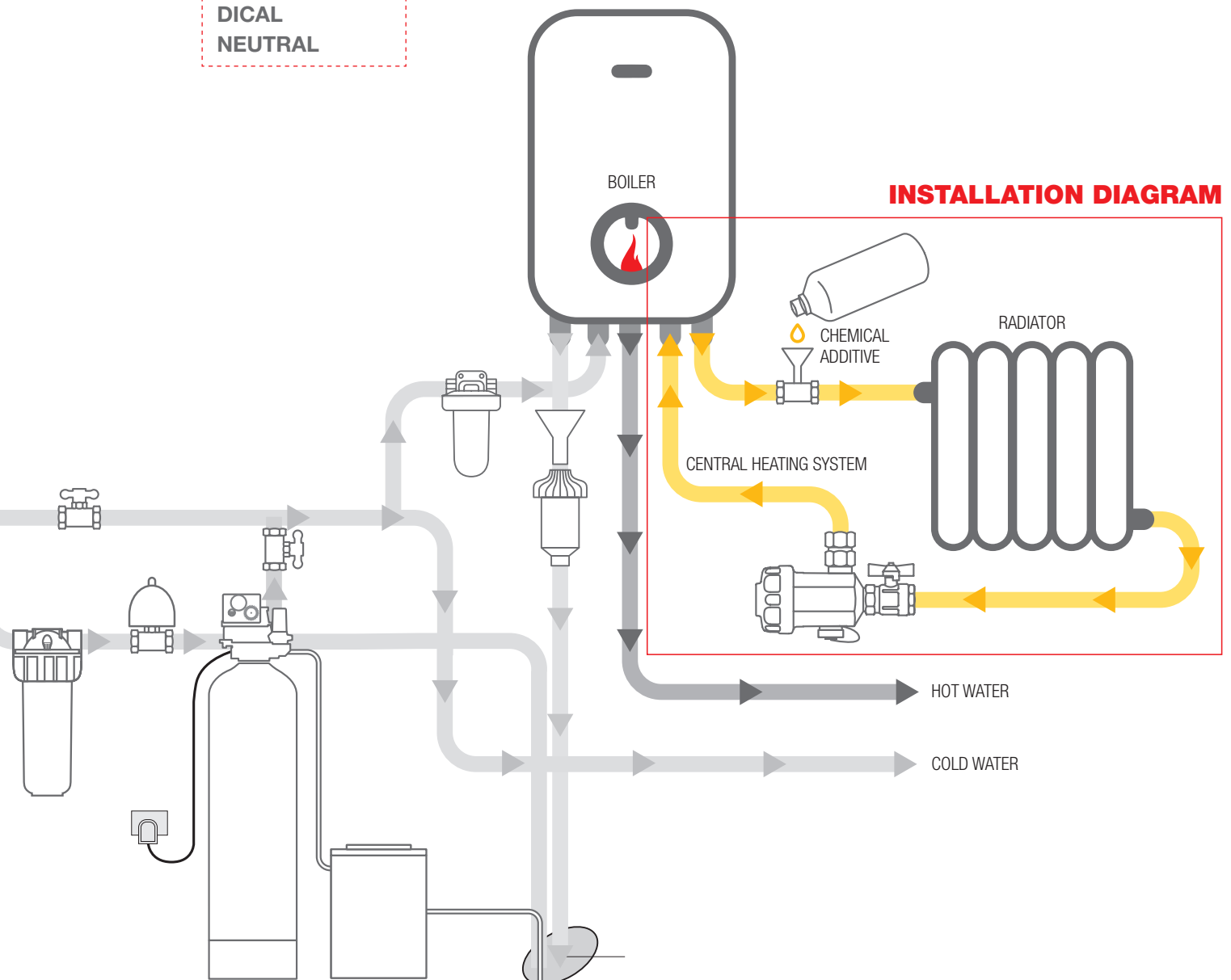
Protect the pipes of heating loops against fouling and corrosion

BENEFITS

- Restored system efficiency
- Extended system lifetime
- Corrosion prevention
- Improved heat distribution to radiators
- Lower gas / fuel bills
- Reduced risk of breakdowns and failures

THE RANGE

- AFICLEAN
- AFOX
- DICAL
- NEUTRAL





AFICLEAN

**Corrosion inhibitor with bactericidal agent
FOR PROTECTING HEATING SYSTEMS**

AFICLEAN contains inhibiting salts that prevent the build-up of fouling and also protect pipes against oxidation and corrosion by forming a protective film over the inside walls of heating and cooling system pipes. AFICLEAN also contains an effective biocidal agent that prevents or dramatically reduces proliferation of algae and bacteria that can obstruct normal circulation through the system.

INSTRUCTIONS FOR USE

- Add at least 1 or 2 litres of product for every 100 litres of circulating water to achieve a slightly alkaline pH (between 8 and 9).
- Quantities must be adjusted to suit the system and the types of metal it is made from, and must also be determined on the basis of water supply hardness, purity (the absence of corrosive ions) and operating temperature.
- Adding too much does not cause damage but merely wastes product.
- Use in conjunction with a good quality anti-freeze to add anti-corrosive action.
- Always conform to the requirements of UNI-CTI 8065/89 or BS 7593/92, which establish treatments and characteristics of water in water heaters, super-heated water and low pressure steam heating systems for maximum efficiency, safety and energy saving.

PACKAGING

PACKAGING - 1/5 litre can.

CODE	DESCRIPTION
NEA2500025	AFICLEAN - 1 lt corrosion inhibitor with bactericidal agent
NEA2500006	AFICLEAN - 5 lt corrosion inhibitor with bactericidal agent

WARNINGS

Causes skin irritation. May cause an allergic skin reaction. Wear protective clothing, gloves, and eye/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash it before reuse. Contains: 1,2- benzisothiazol-3 (2H)-one.V

AFICLEAN





AFIOX

Anti-sludge, anti-algae additive - **concentrated** bactericidal sludge dispersant
FOR MAINTAINING HEATING SYSTEMS

An anti-corrosion product for all kinds of multi-metal and plastic systems (disperses sludge and limescale, cleans heating systems). AFIOX keeps limescale and other deposits in suspension. AFIOX does not contain chromates in conformity to current legislation (Law 152/2006). It contains an effective biocidal agent that prevents or dramatically reduces proliferation of algae and bacteria that can obstruct normal circulation through the system.

INSTRUCTIONS FOR USE

- Drain all circulating water from the system to eliminate as much impurity as possible. Measure the volume of drained water by means of a litre counter in order to dilute the product correctly.
- Add AFIOX to the circulating water to a strength of 2 - 3%.
- Run the boiler at normal power for 15 - 20 days depending on the age of the system. Use a HYDRA HOT self-cleaning filter to protect the boiler.
- If the product cannot be circulated (new boiler fitted or no boiler), use the dedicated CLEAR pump and dose the product to a strength of 3 - 4% of the circulating water. Circulate for at least 3 - 6 hours, or until the water leaves the system clean.
- Drain the water and backwash the system with water or with water and AFIFER at 2% if significantly oxidated.
- Drain the system and flush thoroughly, then fill the system again, adding the correct percentage of AFICLEAN anti-corrosion filming agent and, if necessary, AFIGEL to protect the system against frost.

PACKAGING

PACKAGING - 1/5 litre can.

CODE	DESCRIPTION
NEA2500005	AFIOX - 1 lt sludge and algae dispersant
NEA2500021	AFIOX - 5 lt sludge and algae dispersant

WARNINGS

May cause an allergic skin reaction. Causes serious eye irritation. Avoid breathing mist/vapours/spray Wear protective clothing, gloves, and eye/face protection.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash it before reuse. Contains: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one.

AFIOX





DICAL

Descaling agent for heating systems FOR MAINTAINING HEATING SYSTEMS

This scale inhibitor and dispersant is suitable for various applications: removing rust and corrosion from metal structures, removing lime or silica scale from pipes, water heater circuits and heating loops, pickling concrete and eliminating traces of oxidation from various metals, especially steel, copper and cast iron.

INSTRUCTIONS FOR USE

- Dilute DICAL in an acid resistant container (PVC or polyethylene) to a strength of 10 - 20% of total liquid volume (i.e. 10 - 20 litres of product to every 100 litres of water). Always add the water to DICAL and not vice-versa.
- Colour changes from an initial pink-violet to orange-yellow when the acid loses its effectiveness.
- If the colour remains pink when more acid is added, descaling is complete.
- Complete descaling can also be deduced from the fact that no more carbon dioxide bubbles are formed.
- Open the pump bleeders to allow any gas produced to dissipate.
- Flush out the system with NEUTRAL neutralising agent.

PACKAGING

PACKAGING - 10 litre can.

CODE	DESCRIPTION
NEA2500008	DICAL - descaling agent for heating systems

WARNINGS

May irritate respiratory tract. Causes severe skin burns and eye damage. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective clothing, gloves, and eye/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash it before reuse. Keep container tightly closed and in a well-ventilated area. Contains: hydrochloric acid <25%.

DICAL





NEUTRAL

Neutralises residual acidity FOR MAINTAINING HEATING SYSTEMS

Neutralises residual water acidity after the descaling of heating systems, heat exchangers, radiators, etc. with DICAL. Prepares the system for subsequent treatment with AFICLEAN anti-corrosion agent (filming agent and corrosion inhibitor with biocide). Ensure conformity to environmental protection standards.

INSTRUCTIONS FOR USE

- Dilute the product in an acid resistant container (PVC or polyethylene). Add NEUTRAL to the water in a proportion between 1 in 10 and 1 in 50 depending on the level of residual acidity.
- Fill the solution into the system using the dedicated pump.
- Circulate the solution through the system at least two times.
- Measure the pH with the litmus paper (ideal pH is 6.5-7.5).
- If necessary, add more NEUTRAL to complete the neutralisation process.
- Once the water is completely neutralised, drain the system and refill with water and AFICLEAN.

DOSING

Dilute NEUTRAL in a proportion between 1 in 10 and 1 in 50 depending on the level of residual acidity. Use the litmus paper supplied in the pack to measure pH. Acidity is completely neutralised when the litmus paper no longer changes colour.

PACKAGING

PACKAGING - 5 litre can.

CODE	DESCRIPTION
NEA2500023	NEUTRAL - neutraliser for residual acidity

WARNINGS

Causes severe skin burns and eye damage - Do not breathe dust/fume/gas/mist/vapours/spray - Wear protective clothing, gloves, and eye/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing - Immediately call a POISON CENTER or doctor/physician. Contains sodium hydroxide.

NEUTRAL



05

CHEMICAL ADDITIVES

for protecting water heater circuits

Protect the pipes of water heater circuits against fouling

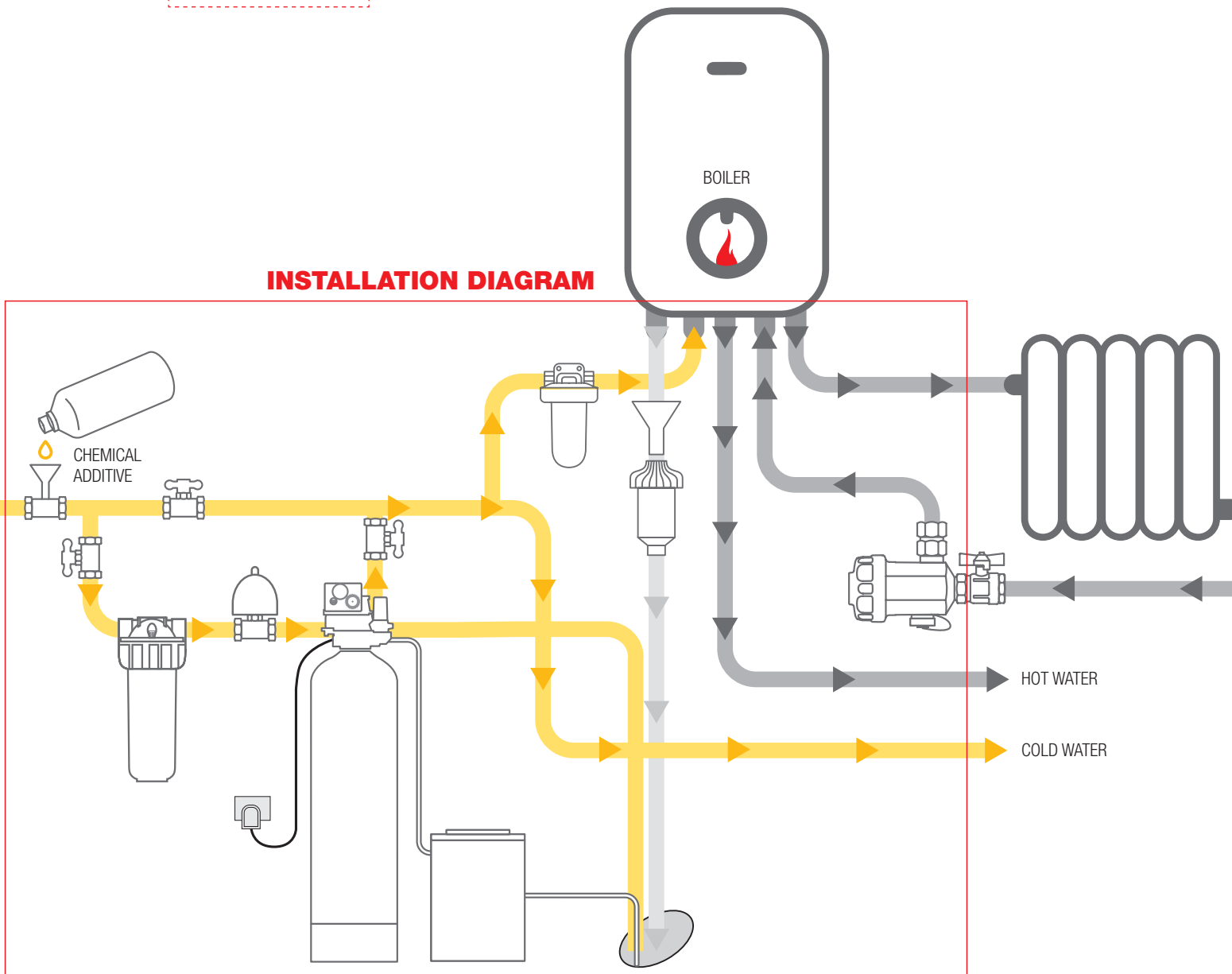
BENEFITS

- Constant system efficiency
- Extended system lifetime
- Improved heat exchange efficiency
- Improved heat distribution
- Lower gas / fuel bills
- Reduced risk of breakdowns and failures
- Corrosion prevention

THE RANGE

POLIPHOS L

INSTALLATION DIAGRAM





POLIPHOS L

A scale and corrosion inhibitor FOR THE PROTECTION OF WATER HEATING SYSTEMS

POLIPHOS L is a mix of food-grade polyphosphates in a ready-to-use solution for the treatment of hard water up to 30°F. POLIPHOS L is formulated in conformity to Legislative Decree 31 of 2 February 2001 establishing the quality requirements for water intended for human consumption. The raw materials from which the product is formulated conform to the requirements of UNI EN 1212:2005 governing the use of sodium and calcium polyphosphates in the treatment of water intended for human consumption. POLIPHOS L effectively inhibits corrosion and limescale formation in domestic hot and cold water production and distribution systems.

INSTRUCTIONS FOR USE

- Add POLIPHOS L upstream from the hot water system, boiler or heat exchanger, using a system proportional to the water flow rate.
- Correct concentration depends on water hardness and heating temperature.
- Use POLIPHOS L at a concentration between 5 and 60 g/m³ (equivalent to 0.4 - 4.7 ppm of P₂O₅) depending on water hardness and temperature.

BENEFITS

POLIPHOS L keeps heat exchangers, pipes, taps and other hot water system components liable to scaling clean and efficient. It also prevents scale formation in open non-recirculating cold water systems. The product is particularly suitable for the reconditioning of old systems suffering from corrosion and scale.

PACKAGING

PACKAGING - 25 litre can.

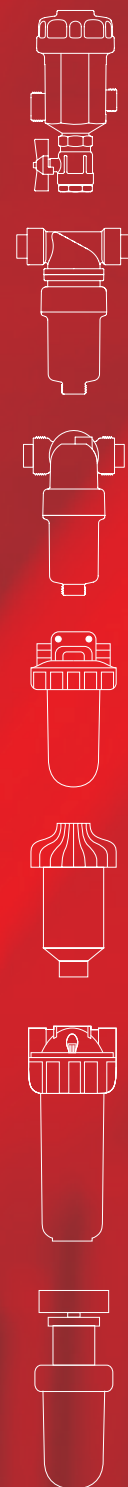
CODE	DESCRIPTION
NEA2500018	POLIPHOS L - scale and corrosion inhibitor

WARNINGS

Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear protective gloves and eye/face protection.

POLIPHOS L





AB91 8'04.1 - R04-10/23. Subject to change without notice

 **ATLAS FILTRI**®
improving water

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