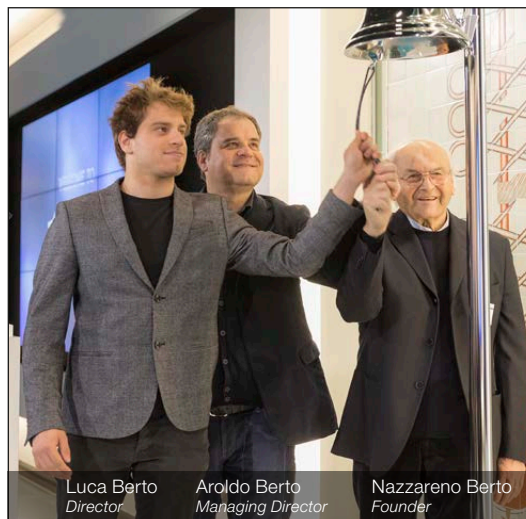


2017 GEL SpA Borsa Milano AIM Italia



Luca Berto
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Founder

*"Where you see water,
we see 40 years of growth"*

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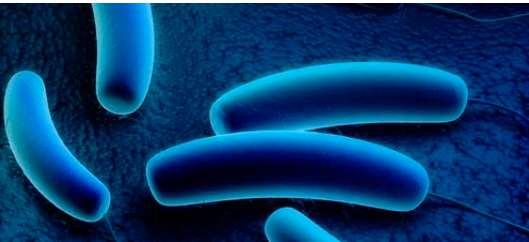
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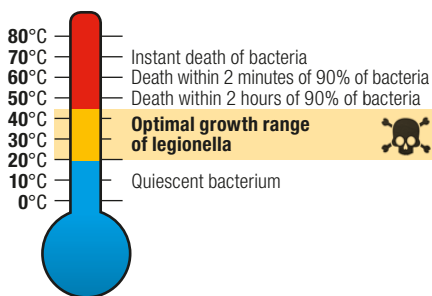
Legionella Pneumophila

Guidelines for Control and Prevention of Legionnaires' Disease (2015)



Hogdson-Casey diagram

Temperature is an essential physical factor for the proliferation and elimination of Legionellosis



What is Legionella?

Legionnaires' Disease, known as Legionellosis, is a lung infection caused by the bacterium legionella pneumophila. Even today Legionnaires' Disease is a serious problem due to the high risk of mortality.

Ideal conditions of growth

Legionella is an ubiquitous bacterium and exists naturally. Its habitat are humid environments (water courses, thermal waters, etc.). Germ passes from these natural tanks into drinking water distribution systems and from here into the pipelines colonising the artificial water environments (sanitary water systems, cooling towers, swimming pools, etc.). The risk factors affecting legionella growth are the following:

1. Bacterium concentration (the legionella concentrations considered to be at risk of infection are those with 1.000 units forming colony per litre of water)
2. Ideal water temperature (25 – 45 °C)
3. Presence of scale deposits and nutritive elements
4. Presence of systems and technological processes that heat and/or spray
5. Susceptibility of the individual

How infection occurs

It is transmitted to humans by inhalation of contaminated aerosols: all places where there is water sprayed can be considered at risk.

No cases of interhuman transmission have been reported.

Epidemic episodes have been reported in hospitals, dental surgeries, hotels, camping sites, spa and recreational facilities, gardens and golf courses, and cruise ships.

A study found that 22.6% of homes are colonised by Legionella.



Systems at risk

- Cooling towers and evaporative condensers
- Showers, whirlpool baths
- Aerosol therapies, dental treatments
- Air conditioning systems, AHUs, humidifiers
- Aircraft, car washing systems, irrigation systems, etc.
- Water cisterns, water production and storage facilities

Risk factors

Legionella Pneumophila mainly affects debilitated people:

- Age > 50 years
- Male sex
- Smokers and/or drinkers
- Immunosuppressed
- Transplant patients

How to deal with the legionella issue seriously?

From the installation point of view, by taking care of design, implementation and maintenance of the system and, in case of contamination, by adopting accurate reclamation systems after identifying the critical aspects of the water distribution system.

In detail, it is recommended to:

- Avoid dead end pipes or with low turbulence;
- avoid stagnant water;
- avoid too long pipes;
- avoid open tanks without blowdown;
- carry out cleaning and sanitization regularly;
- choose metals inhibiting legionella growth (e.g. copper).
- Use the treatments set in Annex 13 of the 2015 Guidelines.



You can find the products to prevent Legionella

ON PAGE 59

Progetto Acqua

The online software to design water treatment systems

GEL Progetto Acqua was developed to meet the needs of designers when sizing water treatment systems. Progetto Acqua Portal allows to design water sanitary and heating systems in accordance with the European standards, which have been assimilated in Italy by the following regulations: Presidential Decree 59/2009 (Ref. to 2002/91/EC), Legislative Decree 39/2015 (Ref. to 2006/32/EC, 2010/31/UE, 2012/27/UE), Decree Law 31/2001 (Ref. to 98/83/EC), Ministerial Decree 25/2012 (Ref. to 98/83/EC, 178/2002/EC, 852/2004/EC, 1935/2004/EC, 2001/95/EC), Ministerial Decree 174/2004 (Ref. to 98/83/EC, 98/34/EC) and UNI-CTI 8065 and UNI-CTI 9182 norms. The modern and user-friendly graphical interface enables to enter data easily and helps the user to get a correct technical design as well as the final quotation.

Designer can use the program in complete autonomy to size water treatment systems for hot water, heating water or total water (cold water, hot sanitary water and heating), coming from municipality or well. The "GUIDE" section includes video tutorials on the use of the program.

The screenshot shows the 'Progetto acqua' web application. The 'DATI PREVENTIVO' section includes a date field set to 14/09/2017. The 'DATI COMPILATORE' section has fields for 'Misto', 'Raso', and 'mestiere@email.it'. The 'DATI COMMITTENTE' section has fields for 'Nome', 'Cognome', 'Email', 'Regione/Località', 'Tel./Cell.', 'Indirizzo', 'Città', 'CAP', and 'Província'. A 'Salva' button is at the bottom right.

Municipal water serving total water, hot sanitary water and heating

Designer shall enter all design data necessary to find out:

- Resin volume
- Peak flow rate
- Flow rate per hour
- Bypass flow rate
- Softener flow rate

According to the design data entered and the calculations worked out by the software, designer can choose among the different models identified.

The screenshot shows the 'ACQUA DI RETE' section of the software. It includes fields for 'Tipo servizio', 'Potenza impianto', 'Utilizzatore impianto', 'Durata acqua da trattare', 'Durata acqua trattata', 'Consumo giornaliero acqua', 'Numero persone', 'Tipo servizio', 'Portata di picco', and 'Frequenza rigenerazione'. There are also buttons for 'Annulla' and 'Procedi'.

Well water serving total water, hot sanitary water and heating

Designer shall enter all design data necessary to find out:

- Peak flow rate
- Daily water consumption
- System capacity
- Inhibitor quantity

According to the design data and the microbiological, chemical and physical parameters as well as the calculations worked out by the software, designer can choose among the different models identified.

This is another screenshot of the 'ACQUA DI RETE' section, showing the same fields and layout as the previous one.

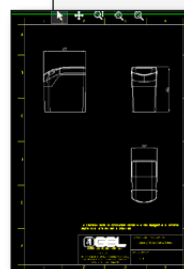
Final documentation

Below are the documents that the designer can display, save and extract after designing:

- Quotation (in WORD, CSV and PDF formats) stating the data entered and the solutions found out by the software with item codes, prices, specifications references.
- Installation drawing
- Technical data sheet of each GEL product
- DXF drawing of each GEL product
- JPEG image of each GEL product

It is possible to include other GEL products of the catalogue into the quotation, which will be highlighted in a different colour to distinguish them from the solutions identified by the software.

The screenshot shows the 'Riepilogo' section of the software. It contains a table with columns: 'Cod', 'Descrizione', 'Quantità', 'Prezzo Unitario', and 'Prezzo Totale'. The table lists various items with their respective codes, descriptions, and prices.



You can find
PROGETTO ACQUA
on www.gel.it.



Filtering



Security filters

Water Guard / Depura / Depura Cyclon / Depura Mini /
Depura Matic SI / Depura Automatic

10



Water filters

Deferr / Desabb / Declor / Neutral / Denitrat / Dearsenic

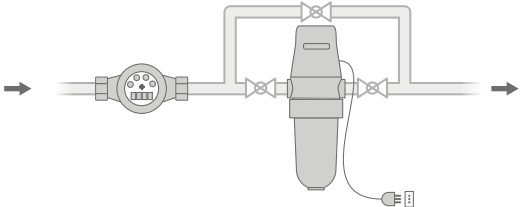
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Water Guard

Anti flood security filters with water leaks and unusual consumption control system



- **PROTECTS AGAINST WATER LEAKS AND UNUSUAL CONSUMPTION**
- **REAL-TIME NOTIFICATIONS VIA THE “GEL POCKET WATER” APP**



Water Guard is a home filter that, in addition to serving as a security filter, can also control and detect any system leaks and unusual consumption. The system autonomously detects the customer’s average consumption, adapting the intervention thresholds accordingly.

With the Wi-Fi module, it is possible to monitor the filter’s status and interact with it through the Gel Pocket Water application, available for Android and iOS.

This makes it possible to receive real-time notifications of unusual consumption on your smartphone, allowing for prompt action. Water Sentinel are fitted with washable net cartridge in polypropylene 90 µm.

Note: In case of poor Wi-Fi signal, we recommend installing the WiFi Power Link accessory p.28



ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PN	DEGREE PROTEC.	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
		€	pcs.		head	housing	bar	IP	m³/h	cm	cm

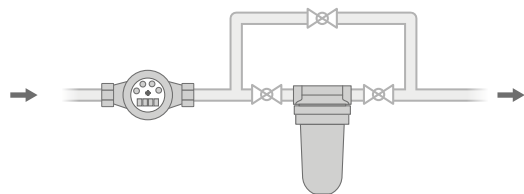
WITH WASHABLE NET CARTRIDGE IN POLYPROPYLENE 90µm

WATER GUARD 7"	101.098.20	—	1	1" F	PP	SAN	6	63	2,00	15,5	15,5x36
WATER GUARD 10"	101.097.20	—	1	1" F	PP	SAN	6	63	2,00	15,5	15,5x43

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Depura Baby

Standard security filters for 4" cartridges



Depura Baby are standard security filters which remove sand and foreign bodies from water. They are used for civil, technical and industrial use. They are made up of head in brass and housing in SAN plastic material resistant to high pressure. Depura Baby filters are fitted with washable net filter cartridge in stainless steel 90µm, suitable for technical-potable use.

Ideal for small spaces.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PN	FLOW RATE ($\Delta P=0,2$ bar)	INTER.	DIMENS. ($\varnothing \times H$)
		€	pcs.		head	housing	bar	m ³ /h	cm	cm

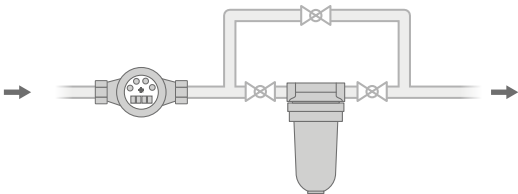
WITH WASHABLE NET CARTRIDGE IN STAINLESS STEEL 90µm

DEPURA BABY 1/2"	101.001.10	—	6	1/2" F	BRASS	SAN	16	1,1	78	8x16
DEPURA BABY 3/4"	101.001.20	—	6	3/4" F	BRASS	SAN	16	1,1	78	8x16

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Depura 500

Standard security filters for 5" cartridges



Depura 500 are standard security two-piece filters which remove sand and foreign bodies from water. They are used for civil, technical and industrial use. They are made up of head in polypropylene and housing in SAN plastic material, resistant to high pressure. Depura 500 filters can house the filter cartridges below:

- Washable net 5" PP 60µm
- Washable net 5" PP 90µm
- STAINLESS STEEL Washable net 5" 90µm
- FLAT STAINLESS STEEL Washable net 5" 90µm
- Wound cotton 5" PP 5µm
- Wound cotton 5" PP 20µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PN	INTER.	DIMENS. (ØxH)
		€	pcs.		head	housing	bar	cm	cm

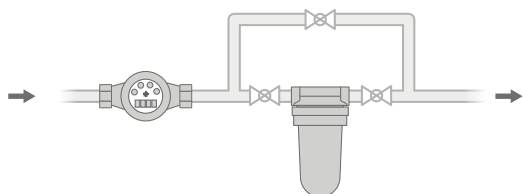
WITHOUT CARTRIDGE

DEPURA 500 1/2"	101.020.00	—	6	1/2" F	PP	SAN	10	119	12x19
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Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Depura 550

Standard security filters for 5" cartridges



PP

OT

OTR

Depura 550 are standard security filters which remove sand and foreign bodies from water. They are used for civil, technical and industrial use. They are made up of head in brass or polypropylene and housing in SAN plastic material, resistant to high pressure, or Trogamid, resistant to high temperature too. Depura 550 filters can house the filter cartridges below:

- Washable net 5" PP 60µm
- Washable net 5" PP 90µm
- STAINLESS STEEL Washable net 5" 90µm
- FLAT STAINLESS STEEL Washable net 5" 90µm
- Wound cotton 5" PP 5µm
- Wound cotton 5" PP 20µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)	DIMENS. (ØxH)
		€/cad.	pcs.		head	housing	PN	P. MAX	m³/h	cm	cm

WITH WASHABLE NET CARTRIDGE IN POLYPROPYLENE 90µm

DEPURA 550 L/PP 1/2"	101.026.4L	—	6	1/2" F	PP	SAN	10	-	2,25	13	13x22
DEPURA 550 L/PP 3/4"	101.026.5L	—	6	3/4" F	PP	SAN	10	-	2,75	13	13x22
DEPURA 550 L/PP 1"	101.026.6L	—	6	1" F	PP	SAN	10	-	3,75	13	13x22

WITHOUT CARTRIDGE

DEPURA 550 PP 1/2"	101.026.40	—	6	1/2"	PP	SAN	10	-	-	13	13x22
DEPURA 550 PP 3/4"	101.026.50	—	6	3/4"	PP	SAN	10	-	-	13	13x22
DEPURA 550 PP 1"	101.026.60	—	6	1"	PP	SAN	10	-	-	13	13x22
DEPURA 550 OT 3/4"	101.125.40	—	6	3/4"	BRASS	SAN	10	-	-	13	13x21
DEPURA 550 OT 1"	101.125.50	—	6	1"	BRASS	SAN	10	-	-	13	13x21
DEPURA 550 OTR 3/4"	101.125.70	—	6	3/4"	BRASS	TROG	-	12	-	13	13x21
DEPURA 550 OTR 1"	101.125.90	—	6	1"	BRASS	TROG	-	12	-	13	13x21

Use: tec/pot; Water Temperature: PP and OT 5-30 °C / OTR 5-80 °C; Ambient Temperature: 5-50 °C.

Depura 700

Standard security filters for 7" cartridges



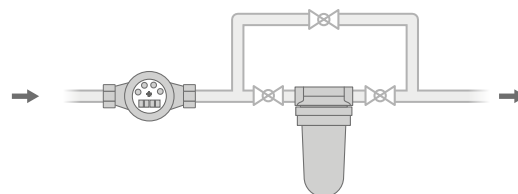
PP



OT



OTR



Depura 700 are standard security filters which remove sand and foreign bodies from water. They are used for civil, technical and industrial use. They are made up of head in brass or polypropylene and housing in SAN plastic material, resistant to high pressure, or Trogamid, resistant to high temperature too. Depura 700 filters can house the filter cartridges below:

- Washable net 7" PP 60µm
- Washable net 7" PP 90µm
- STAINLESS STEEL Washable net 7" 90µm
- FLAT STAINLESS STEEL Washable net 7" 90µm
- Wound cotton 7" PP 5µm
- Wound cotton 7" PP 20µm

Having a larger filter surface than Depura 550, the washing frequency of the cartridge is reduced.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PRESSURE		PORTATA (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
					head	housing	PN bar	P. MAX bar			
		€/cad.	pcs.						m³/h	cm	cm

WITH WASHABLE NET CARTRIDGE IN POLYPROPYLENE 90µm

DEPURA 700 L/PP 1/2"	101.029.2L	—	6	1/2" F	PP	SAN	10	-	2,25	13	13x26
DEPURA 700 L/PP 3/4"	101.029.3L	—	6	3/4" F	PP	SAN	10	-	2,75	13	13x26
DEPURA 700 L/PP 1"	101.029.4L	—	6	1" F	PP	SAN	10	-	3,75	13	13x26

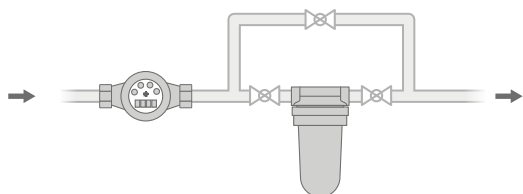
WITH WASHABLE NET CARTRIDGE IN POLYPROPYLENE 90µm

DEPURA 700 PP 1/2"	101.029.20	—	6	1/2"	PP	SAN	10	-	-	13	13x26
DEPURA 700 PP 3/4"	101.029.30	—	6	3/4"	PP	SAN	10	-	-	13	13x26
DEPURA 700 PP 1"	101.029.40	—	6	1"	PP	SAN	10	-	-	13	13x26
DEPURA 700 OT 3/4"	101.128.00	—	6	3/4"	BRASS	SAN	10	-	-	13	13x25
DEPURA 700 OT 1"	101.130.00	—	6	1"	BRASS	SAN	10	-	-	13	13x25
DEPURA 700 OTR 3/4"	101.139.80	—	6	3/4"	BRASS	TROG	-	12	-	13	13x25
DEPURA 700 OTR 1"	101.140.00	—	6	1"	BRASS	TROG	-	12	-	13	13x25

Use: tec/pot; Water Temperature: PP and OT 5-30 °C / OTR 5-80 °C; Ambient Temperature: 5-50 °C.

Depura 1000

Standard security filters for 10" cartridges



Depura 1000 are standard security filters which remove sand and foreign bodies from water. They are used for civil, technical and industrial use. They are made up of head in brass or polypropylene and housing in SAN plastic material, resistant to high pressure, or Trogamid, resistant to high temperature too. Depura 700 filters can house the filter cartridges below:

- Washable net 10" PP 60µm
- Washable net 10" PP 90µm
- STAINLESS STEEL Washable net 10" 90µm
- FLAT STAINLESS STEEL Washable net 10" 90µm
- Wound cotton 10" PP 5µm
- Wound cotton 10" PP 20µm

Having a larger filter surface than Depura 1000, the washing frequency of the cartridge is reduced.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PRESSURE		PORTATA (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
							PN	P. MAX			
		€/cad.	pcs.		head	housing	bar	bar	m³/h	cm	cm

WITH WASHABLE NET CARTRIDGE IN POLYPROPYLENE 90µm

DEPURA 1000 L/PP 1/2"	101.060.7L	—	6	1/2" F	PP	SAN	10	-	2,25	13	13x33
DEPURA 1000 L/PP 3/4"	101.060.8L	—	6	3/4" F	PP	SAN	10	-	2,75	13	13x33
DEPURA 1000 L/PP 1"	101.060.9L	—	6	1" F	PP	SAN	10	-	3,75	13	13x33

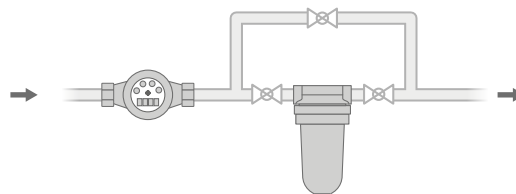
WITHOUT CARTRIDGE

DEPURA 1000 PP 1/2"	101.060.70	—	6	1/2"	PP	SAN	10	-	-	13	13x33
DEPURA 1000 PP 3/4"	101.060.80	—	6	3/4"	PP	SAN	10	-	-	13	13x33
DEPURA 1000 PP 1"	101.060.90	—	6	1"	PP	SAN	10	-	-	13	13x33
DEPURA 1000 OT 3/4"	101.130.80	—	6	3/4"	BRASS	SAN	10	-	-	13	13x32
DEPURA 1000 OT 1"	101.131.00	—	6	1"	BRASS	SAN	10	-	-	13	13x32
DEPURA 1000 OTR 3/4"	101.140.80	—	6	3/4"	BRASS	TROG	-	12	-	13	13x32
DEPURA 1000 OTR 1"	101.141.00	—	6	1"	BRASS	TROG	-	12	-	13	13x32

Use: tec/pot; Water Temperature: PP and OT 5-30 °C / OTR 5-80 °C; Ambient Temperature: 5-50 °C.

Depura 3000

Standard security filters for 10" cartridges



Depura 3000 are standard security filters which remove sand and foreign bodies from water. They are used for civil, technical and industrial use. They are made up of head in brass and housing in SAN plastic material, resistant to high pressure, or Trogamid, resistant to high temperature too. Depura 3000 filters can house the filter cartridges below:

- Washable net 10"/3 PP 90µm
- STAINLESS STEEL washable net 10"/3 90µm
- FLAT STAINLESS STEEL washable net 10"/3 90µm
- Wound cotton 10"/3 PP 20µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		PRESSURE		PORTATA (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
							PN	P. MAX			
		€/cad.	pcs.		head	housing	bar	bar	m³/h	cm	cm

WITH WASHABLE NET CARTRIDGE IN POLYPROPYLENE 90µm

DEPURA 3000 L/OTR 1" ½"	101.142.0L	—	1	1" ½ F	BRASS	TROG	12	-	10,5	15,8	16x36
DEPURA 3000 L/OTR 2"	101.143.0L	—	1	2" F	BRASS	TROG	12	-	11,5	15,8	16x36

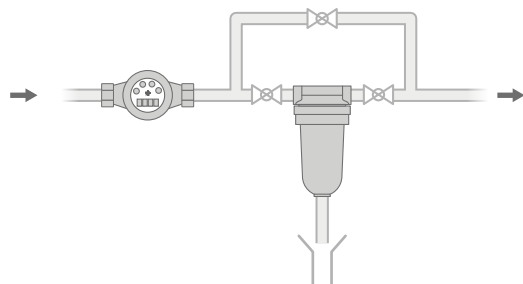
WITHOUT CARTRIDGE

DEPURA 3000 OT 1" ½"	101.150.00	—	1	1" ½"	BRASS	SAN	10	-	-	15,8	16x36
DEPURA 3000 OTR 1" ½"	101.142.00	—	1	1" ½"	BRASS	TROG	-	12	-	15,8	16x36
DEPURA 3000 OT 2"	101.170.00	—	1	2"	BRASS	SAN	10	-	-	15,8	16x36
DEPURA 3000 OTR 2"	101.143.00	—	1	2"	BRASS	TROG	-	12	-	15,8	16x36

Use: tec/pot; Water Temperature: PP and OT 5-30 °C / OTR 5-80 °C; Ambient Temperature: 5-50 °C.

Depura Cyclon Baby

Manual self cleaning filters with cyclone washing for 4" cartridges



Depura Cyclon Baby are manual, self cleaning security filters with cyclone washing and in-line connections. For civil, technical and industrial use, these filters are used in all those cases when sand or other suspended particles in water make the installation of a traditional or self cleaning filter inexpedient.

The filter cartridge is kept clean by a periodic washing through water turbines (cyclone washing), to be carried out by turning the lower knob 90° for 10/15 seconds. Depura Cyclon Baby are made up of head in brass and housing in SAN plastic material resistant to high pressure. Fitted with washable net filter cartridge in flat stainless steel with 90µm degree of filtration.

Ideal for tight spaces.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		MATERIAL		PN	FLOW RATE	INTER.	DIMENS.
		€		In-Out	Drain Ø	head	housing		(ΔP=0,2 bar) m³/h		
			pcs.					bar		cm	cm

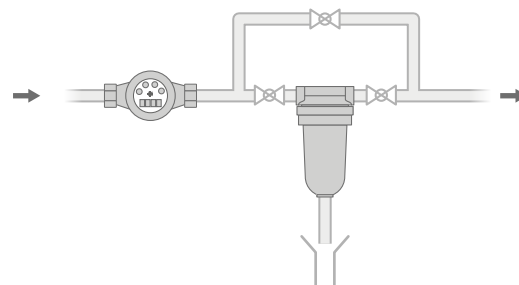
WITH IN-LINE CONNECTIONS AND STAINLESS STEEL CARTRIDGE 90µm

DEPURA CYCLON BABY 1/2 "	101.153.00	—	6	1/2" F	3/8" M	BRASS	SAN	16	1,1	7,8	8x18,2
DEPURA CYCLON BABY 3/4 "	101.153.10	—	6	3/4" F	3/8" M	BRASS	SAN	16	1,1	7,8	8x18,2

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Depura Cyclon 550

Manual self cleaning filters with cyclone washing for 5" cartridges



Depura Cyclon 550 are manual, self cleaning security filters with cyclone washing. For civil, technical and industrial use, these filters are used in all those cases when sand or other suspended particles in water make the installation of a traditional or self cleaning filter inexpedient.

The filter cartridge is kept clean by a periodic washing through water turbines (cyclone washing), to be carried out by turning the lower knob 90° for 10/15 seconds. Depura Cyclon 550 are available in the PP, SP and SI versions:

- Depura Cyclon 550 PP. Head in polypropylene and housing in SAN plastic material resistant to high pressure. Fitted with washable net filter cartridge in flat stainless steel with 90µm degree of filtration. In-line connections.
- Depura Cyclon 550 SP. Head in polypropylene, connections in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in polypropylene with 90µm degree of filtration. Adjustable connections with fittings.
- Depura Cyclon 550 SI. Head in polypropylene, connections in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 90µm degree of filtration. Adjustable connections with fittings.

Depura Cyclon 550 can house the filter cartridges below:

- Washable net 5" PP 90µm
- FLAT STAINLESS STEEL washable net 5" 90µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		FITTINGS	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
		€	pcs.	In-Out	Drain Ø (mm)		head	housing	bar	m³/h	cm	cm

WITH IN-LINE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON PP 550 1/2"	101.152.70	–	1	1/2" F	40	NO	PP	SAN	10	2,0	13	13x31
DEPURA CYCLON PP 550 3/4"	101.152.80	–	1	3/4" F	40	NO	PP	SAN	10	2,5	13	13x31
DEPURA CYCLON PP 550 1"	101.152.90	–	1	1" F	40	NO	PP	SAN	10	3,5	13	13x31

WITH ADJUSTABLE CONNECTIONS AND POLYPROPYLENE CARTRIDGE 90 µm

DEPURA CYCLON SP 550 3/4"	101.158.10	–	1	3/4" F	40	YES	PP-BRASS	SAN	10	2,5	11	15x37
DEPURA CYCLON SP 550 1"	101.158.30	–	1	1" M	40	YES	PP-BRASS	SAN	10	3,5	11	18x37
DEPURA CYCLON SP 550 1" ¼	101.158.50	–	1	1" ¼ M	40	NO	PP-BRASS	SAN	10	3,5	11	11x37

WITH ADJUSTABLE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

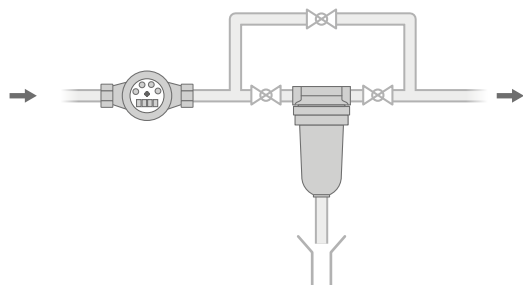
DEPURA CYCLON SI 550 3/4"	101.158.20	–	1	¾" M	40	YES	PP-BRASS	SAN	10	2,5	11	15x37
DEPURA CYCLON SI 550 1"	101.158.40	–	1	1" M	40	YES	PP-BRASS	SAN	10	3,5	11	18x37
DEPURA CYCLON SI 550 1" ¼	101.158.60	–	1	1" ¼ M	40	NO	PP-BRASS	SAN	10	3,5	11	11x37

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Go to page 27 for ¾" and 1" fittings for Depura Cyclon SP and SI.

Depura Cyclon 700

Manual self cleaning filters with cyclone washing for 7" cartridges



Depura Cyclon 700 are manual, self cleaning security filters with cyclone washing. For civil, technical and industrial use, these filters are used in all those cases when sand or other suspended particles in water make the installation of a traditional or self cleaning filter inexpedient.

The filter cartridge is kept clean by a periodic washing through water turbines (cyclone washing), to be carried out by turning the lower knob 90° for 10/15 seconds. Depura Cyclon 700 are available in the PP and SI versions:

- Depura Cyclon 700 PP. Head in polypropylene and housing in SAN plastic material resistant to high pressure. Fitted with washable net filter cartridge in flat stainless steel with 90µm degree of filtration. In-line connections.
- Depura Cyclon 700 SI. Head in polypropylene, connections in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 90µm degree of filtration. Adjustable connections with fittings.

Depura Cyclon 700 can house the filter cartridges below:

- STAINLESS STEEL washable net 7" 90µm
- FLAT STAINLESS STEEL washable net 7" 90µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		FITTINGS	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
		€	pcs.	In-Out	Drain Ø (mm)		head	housing	bar	m³/h	cm	cm

WITH IN-LINE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON PP 700 1/2"	101.156.10	—	1	1/2" F	40	NO	PP	SAN	10	2,0	13	13x38
DEPURA CYCLON PP 700 3/4"	101.156.20	—	1	3/4" F	40	NO	PP	SAN	10	2,5	13	13x38
DEPURA CYCLON PP 700 1"	101.156.30	—	1	1" F	40	NO	PP	SAN	10	3,5	13	13x38

WITH ADJUSTABLE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON SI 700 3/4"	101.159.20	—	1	3/4" M	40	YES	PP-BRASS	SAN	10	2,5	11	15x41
DEPURA CYCLON SI 700 1"	101.159.40	—	1	1" M	40	YES	PP-BRASS	SAN	10	3,5	11	18x41
DEPURA CYCLON SI 700 1" ¼	101.159.60	—	1	1" ¼ M	40	NO	PP-BRASS	SAN	10	3,5	11	21x41

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Go to page 27 for ¾" and 1" fittings for Depura Cyclon SI.

Depura Cyclon 1000

Manual self cleaning filters with cyclone washing for 10" cartridges



Depura Cyclon 1000 are manual, self cleaning security filters with cyclone washing. For civil, technical and industrial use, these filters are used in all those cases when sand or other suspended particles in water make the installation of a traditional or self cleaning filter inexpedient.

The filter cartridge is kept clean by a periodic washing through water turbines (cyclone washing), to be carried out by turning the lower knob 90° for 10/15 seconds. Depura Cyclon 1000 are available in the PP, SI and OX versions:

- Depura Cyclon 1000 PP. Head in polypropylene and housing in SAN plastic material resistant to high pressure. Fitted with washable net filter cartridge in flat stainless steel with 90µm degree of filtration. In-line connections.
- Depura Cyclon 1000 SI. Head in polypropylene, connections in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 90µm degree of filtration. Adjustable connections with fittings.
- Depura Cyclon 1000 OX. Head in brass and housing in stainless steel. Fitted with washable net filter cartridge in flat stainless steel with 90µm degree of filtration. In-line connections with in-out pressure gauges.

Depura Cyclon 1000 can house the filter cartridges below:

- STAINLESS STEEL washable net 10" 90µm
- FLAT STAINLESS STEEL washable net 10" 90µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		FITTINGS	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
		€	pcs.	In-Out	Drain Ø		head	housing	bar	m³/h	cm	cm

WITH IN-LINE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON PP 1000 1/2"	101.156.40	–	1	1/2" F	40 mm	NO	PP	SAN	10	2,0	13	13x43
DEPURA CYCLON PP 1000 3/4"	101.156.50	–	1	3/4" F	40 mm	NO	PP	SAN	10	2,5	13	13x43
DEPURA CYCLON PP 1000 1"	101.156.60	–	1	1" F	40 mm	NO	PP	SAN	10	3,5	13	13x43

WITH ADJUSTABLE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON SI 1000 3/4"	101.160.20	–	1	3/4" M	40 mm	YES	PP-BRASS	SAN	10	2,5	11	15x49
DEPURA CYCLON SI 1000 1"	101.160.40	–	1	3/4" F	40 mm	YES	PP-BRASS	SAN	10	3,5	11	18x49
DEPURA CYCLON SI 1000 1" 1/4	101.160.60	–	1	1" 1/4 M	40 mm	NO	PP-BRASS	SAN	10	3,5	11	21x49

WITH IN-LINE CONNECTIONS, IN/OUT PRESSURE GAUGES AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON OX 1000 1"	101.155.65	–	1	1" F	3/4" F	NO	BRASS	INOX	16	3,5	13	13x43
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Use: tec/pot; Water Temperature: PP and SI 5-30 °C / OX 5-80 °C; Ambient Temperature: 5-50 °C.

Go to page 27 for 3/4" and 1" fittings for Depura Cyclon SP and SI.

Depura Cyclon 3000

Manual self cleaning filters with cyclone washing for 10" cartridges



Depura Cyclon 1000 are manual, self cleaning security filters with cyclone washing. For civil, technical and industrial use, these filters are used in all those cases when sand or other suspended particles in water make the installation of a traditional or self cleaning filter inexpedient.

The filter cartridge is kept clean by a periodic washing through water turbines (cyclone washing), to be carried out by turning the lower knob 90° for 10/15 seconds. Depura Cyclon 3000 are available in the SI, OT, OX versions:

- Depura Cyclon 3000 SI. Head in polypropylene, connections in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 90µm degree of filtration. Adjustable connections with fittings.
- Depura Cyclon 3000 OT. Head in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 90µm degree of filtration. In-line connections.
- Depura Cyclon 3000 OX. Head in brass and housing in stainless steel. Fitted with washable net filter cartridge in flat stainless steel with 90µm degree of filtration. In-line connections with in-out pressure gauges.

Depura Cyclon 3000 can house the filter cartridges below:

- STAINLESS STEEL washable net 10"/3 90µm
- FLAT STAINLESS STEEL washable net 10"/3 90µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		FITTINGS	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
		€	pcs.	In-Out	Drain Ø		HEAD	HOUSING	bar	m³/h	cm	cm

WITH ADJUSTABLE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON SI 3000 1" ¼	101.161.35	–	1	1" ¼ M	40 mm	NO	PP-OTT	SAN	10	8,0	20,8	21x49
DEPURA CYCLON SI 3000 1" ½	101.161.20	–	1	1" ½ M	40 mm	YES	PP-OTT	SAN	10	8,0	19,2	21x49
DEPURA CYCLON SI 3000 2"	101.161.40	–	1	2" M	40 mm	NO	PP-OTT	SAN	10	8,0	11	21x49

WITH IN-LINE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

DEPURA CYCLON OT 3000 1" ¼	101.156.98	–	1	1" ¼ F	40 mm	NO	OTT	SAN	10	12,0	18,5	16x42
DEPURA CYCLON OT 3000 1" ½	101.156.70	–	1	1" ½ F	40 mm	NO	OTT	SAN	10	11,0	15,8	16x42
DEPURA CYCLON OT 3000 2"	101.156.90	–	1	2" F	40 mm	NO	OTT	SAN	10	12,0	15,8	16x42

WITH IN-LINE CONNECTIONS, IN/OUT PRESSURE GAUGES AND FLAT STAINLESS STEEL CARTRIDGE 90 µm

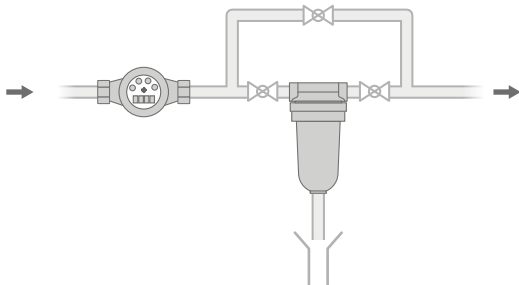
DEPURA CYCLON OX 3000 1" ¼	101.156.85	–	1	1" ¼ F	¾" F	NO	OTT	INOX	16	12,0	18,5	16x42
DEPURA CYCLON OX 3000 1" ½	101.156.75	–	1	1" ½ F	¾" F	NO	OTT	INOX	16	11,0	15,8	16x42
DEPURA CYCLON OX 3000 2"	101.156.95	–	1	2" F	¾" F	NO	OTT	INOX	16	12,0	15,8	16x42

Uso: tec/pot; Temperatura acqua: PP e SI 5-30 °C / OX 5-80 °C; Temperatura ambiente: 5-50 °C.

Go to page 27 for 3/4" and 1" fittings for Depura Cyclon SI.

Depura Cyclon XL

Flanged self cleaning filters with cyclone washing



Depura Cyclon XL are flanged, manual, self cleaning security filters with cyclone washing. For civil, technical and industrial use, these filters are used to filter clear water with a low content of suspended solids, such as municipal, rain, well and spring water.

The filter cartridge is kept clean by a periodic washing through water turbines (cyclone washing), to be carried out by turning the lower knob 90° for 10/15 seconds. Depura Cyclon XL are available in two mobile flanges, DN65 and DN80. They are made up of head and connections in polypropylene, housing in SAN plastic material resistant to high pressure. Fitted with filter net in nylon with 150µm degree of filtration. In-line connections with in-out pressure gauges.

Depura Cyclon XL can house the filter nets below:

- Filter net 25 µm
- Filter net 150 µm

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		MATERIAL		PN	FLOW RATE	INTER.	DIMENS.
		€		In-Out	Drain Ø (mm)	head	housing		(ΔP=0,2 bar) m³/h		
			pcs.					bar		cm	(ØxH) cm

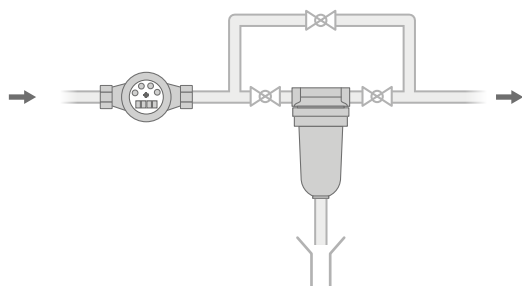
WITH IN-LINE CONNECTIONS, IN/OUT PRESSURE GAUGES AND FILTER NET 150µm

DEPURA CYCLON XL DN65	101.250.50	–	1	DN 65	20	PP	SAN	10	25	31	30,4x71
DEPURA CYCLON XL DN80	101.250.60	–	1	DN 80	20	PP	SAN	10	32	31	31,3x71

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Depura Mini / Matic SI

Manual self cleaning filters for 7" cartridges



Depura Mini and Depura Matic are manual, self cleaning security filters. For civil, technical and industrial use, these filters are an alternative solution to traditional ones. No recurrent maintenance of the filter cartridge is necessary, as it is kept clean by a periodic washing combined with an effective mechanical brushing system. Self cleaning operation is carried out by turning the upper knob manually.

- Depura Mini. Head in polypropylene and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 95µm degree of filtration. In-line connections.
- Depura Matic. Head in polypropylene, connections in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 95µm degree of filtration. Adjustable connections with fittings.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		FITTINGS	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
		€	pcs.	In-Out	Drain Ø (mm)		head	housing	bar	m³/h	cm	cm

WITH IN-LINE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 95 µm

DEPURA MINI 3/4"	101.003.10	—	1	3/4" F	40	NO	PP	SAN	10	3,5	13	13x33,5
DEPURA MINI 1"	101.003.60	—	1	1" F	40	NO	PP	SAN	10	4,0	13	13x33,5

WITH ADJUSTABLE CONNECTIONS AND FLAT STAINLESS STEEL CARTRIDGE 95 µm

DEPURA MATIC SI 3/4"	101.004.50	—	1	3/4" M	40	YES	PP-BRASS	SAN	10	3,5	11	15x41
DEPURA MATIC SI 1"	101.005.50	—	1	1" M	40	YES	PP-BRASS	SAN	10	4,0	11	18x41
DEPURA MATIC SI 1" ¼	101.006.50	—	1	1" ¼ M	40	NO	PP-BRASS	SAN	10	4,0	11	21x41
DEPURA MATIC SI 1" ½	101.007.50	—	1	1" ½ M	40	YES	PP-BRASS	SAN	10	7,0	11	19x41
DEPURA MATIC SI 2"	101.008.50	—	1	2" M	40	NO	PP-BRASS	SAN	10	7,0	11	23x41

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Go to page 27 for all fittings for Depura Matic SI.

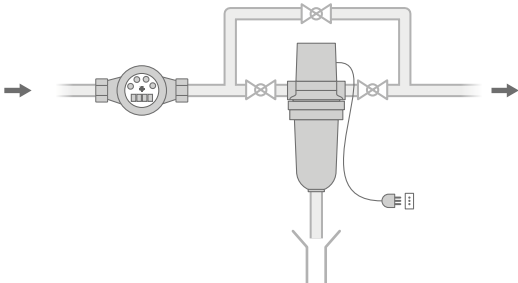
Depura AutoMatic

7" automatic self cleaning filters



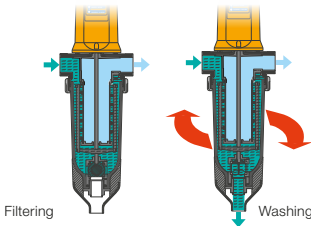
DOUBLE THREAD:
2" M - 1" 1/2 F

- **SMART INTUITIVE ELECTRONICS**
- **EFFICIENCY ENSURED BY AUTOMATIC CLEANING**



Depura Automatic are automatic, self cleaning security filters. For civil, technical and industrial use, these filters are an alternative solution to traditional ones. The periodic washing of the cartridge is carried out automatically through brushing and can be programmed from 1 to 30 days. The washing duration can be set too, from 10 to 90 seconds.

Depura Automatic are made up of head in brass and housing in SAN plastic material resistant to high pressure. Fitted with filter cartridge in flat stainless steel with 95µm degree of filtration. In-line connections. In line connections with double thread: 2" M and 1" 1/2 F. 1", 1" 1/4 and 1" 1/2 adaptors are available.



ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.		FITTINGS	MATERIAL		PN	FLOW RATE (ΔP=0,2 bar)	INTER.	DIMENS. (ØxH)
				In-Out	Drain Ø (mm)		head	housing				
		€	pcs.						bar	m³/h	cm	cm

WITH IN-LINE FITTINGS AND STAINLESS STEEL MICRO-PERFORATED CARTRIDGE 95µm

DEPURA AUTOMATIC 2" (sx)	101.008.10	—	1	2" M	40	NO	BRASS	SAN	10	7,0	14,2	23x48
DEPURA AUTOMATIC 2" (dx)	101.008.20	—	1	2" M	40	NO	BRASS	SAN	10	7,0	14,2	23x48

Use: tec/pot; Water Temperature: 5-30 °C; Ambient Temperature: 5-50 °C.

Go to page 27 for 1"1/2, 1" 1/4 and 1" fittings for Depura Cyclon AUTOMATIC

4" filter cartridges

4" filter cartridges for Depura Baby/Depura Cyclon Baby for technical/potable use

ITEM	ITEM CODE	UNIT PRICE	PACK.	MATERIAL	DEGREE OF FILTRATION	FLOW RATE ($\Delta P=0,2$ bar)	DIMENS. ($\varnothing \times H$)
		€	pcs.		μm	m ³ /h	cm
FLAT STAINLESS STEEL WASHABLE NET 90 μm	600.080.60	—	1	FLAT ST. STEEL	90	1,10	3,1x9,5

5" filter cartridges

5" filter cartridges for technical/potable use



ITEM	ITEM CODE	UNIT PRICE	PACK.	MATERIAL	DEGREE OF FILTRATION	FLOW RATE ($\Delta P=0,2$ bar)					DIMENS. ($\varnothing \times H$)
						1/2"	3/4"	1"	1 1/2"	2"	
		€	pcs.		μm	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	cm
FOR DEPURA 500 AND 550											
WASHABLE NET 5" PP 60 μm	103.010.10	—	14	PP/PA	60	2,00	2,50	3,50	-	-	6x13
WASHABLE NET 5" PP 90 μm	103.010.20	—	14	PP/PA	90	2,25	2,75	3,75	-	-	6x13
STAINLESS STEEL WASHABLE NET 5" 90 μm	103.020.10	—	6	ST. STEEL	90	2,30	2,80	3,80	-	-	6x13
FLAT STAINLESS STEEL WASHABLE NET 90 μm *	103.020.65	—	6	FLAT ST. STEEL	90	2,30	2,80	3,80	-	-	6x13
WOUND COTTON 5" PP 5 μm	103.030.20	—	14	PP	5	1,80	2,30	3,30	-	-	6x13
WOUND COTTON 5" PP 20 μm	103.030.10	—	14	PP	20	1,90	2,40	3,40	-	-	6x13

*Also suitable for Depura Cyclon 550

7" filter cartridges

7" filter cartridges for technical/potable use



ITEM	ITEM CODE	UNIT PRICE	PACK.	MATERIAL	DEGREE OF FILTRATION	FLOW RATE ($\Delta P=0,2$ bar)					DIMENS. ($\varnothing \times H$)
						1/2"	3/4"	1"	1 1/2"	2"	
		€	pcs.		μm	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	cm
FOR DEPURA 700											
WASHABLE NET 7" PP 60 μm	103.010.30	—	14	PP/PA	60	2,00	2,50	3,50	-	-	6x18
WASHABLE NET 7" PP 90 μm	103.010.40	—	14	PP/PA	90	2,25	2,75	3,75	-	-	6x18
WASHABLE NET 7" ST. STEEL 90 μm	103.020.30	—	6	ST. STEEL	90	2,30	2,80	3,80	-	-	6x18
WASHABLE NET 7" FLAT ST. STEEL 90 μm *	103.020.70	—	6	FLAT ST. STEEL	90	2,30	2,80	3,80	-	-	6x18
WOUND COTTON 7" PP 5 μm	103.030.40	—	14	PP	5	1,80	2,30	3,30	-	-	6x18
WOUND COTTON 7" PP 20 μm	103.030.30	—	14	PP	20	1,90	2,40	3,40	-	-	6x18

*Also suitable for Depura Cyclon 700

10" filter cartridges

10" filter cartridges
for technical/potable use



st. steel



flat st. steel



washable net PP



wound cotton PP

ITEM	ITEM CODE	UNIT PRICE	PACK.	MATERIAL	DEGREE OF FILTRATION	FLOW RATE ($\Delta P=0,2$ bar)					DIMENS. ($\varnothing \times H$)
						1/2"	3/4"	1"	1 1/2"	2"	
		€	pcs.		μm	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	cm

FOR DEPURA 1000

WASHABLE NET 10" PP 60 μm	103.010.50	—	15	PP/PA	60	2,00	2,50	3,50	-	-	6x25
WASHABLE NET 10" PP 90 μm	103.010.60	—	15	PP/PA	90	2,25	2,75	3,75	-	-	6x25
WASHABLE NET 10" ST. STEEL 90 μm	103.020.50	—	6	ST. STEEL	90	2,30	2,80	3,80	-	-	6x25
WASHABLE NET 10" FLAT ST. STEEL 90 μm *	103.020.90	—	6	FLAT ST. STEEL	90	2,30	2,80	3,80	-	-	6x25
WOUND COTTON 10" PP 5 μm	103.030.60	—	15	PP	5	1,80	2,30	3,30	-	-	6x25
WOUND COTTON 10" PP 20 μm	103.030.50	—	15	PP	20	1,90	2,40	3,40	-	-	6x25

FOR DEPURA 3000

WASHABLE NET 10"/3 PP 90 μm	103.011.10	—	15	PP/PA	90	-	-	-	10,5	11,5	6x25
WASHABLE NET 10"/3 ST. STEEL 90 μm	103.020.60	—	6	ST. STEEL	90	-	-	-	11,0	12,0	6x25
WASHABLE NET 10"/3 FLAT ST. STEEL 90 μm *	103.020.80	—	6	FLAT ST. STEEL	90	-	-	-	11,0	12,0	6,4x25
WOUND COTTON 10"/3 PP 20 μm	103.030.65	—	6	PP	20	-	-	-	10,0	11,0	6x25

*Also suitable for Depura Cyclon 1000 and Depura Cyclon 3000

5"/7"/10" empty cartridges

Empty filter cartridges
for technical/potable use



5"



7"



10"

ITEM	ITEM CODE	UNIT PRICE	PACK.	MATERIAL	DEGREE OF FILTRATION	FLOW RATE ($\Delta P=0,2$ bar)					DIMENS. ($\varnothing \times H$)
						1/2"	3/4"	1"	1 1/2"	2"	
		€	pcs.		μm	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	cm

EMPTY CARTRIDGE 5"	103.071.00	—	12	-	-	-	-	-	-	-	6x13
EMPTY CARTRIDGE 7"	103.072.00	—	12	-	-	-	-	-	-	-	6x18
EMPTY CARTRIDGE 10"	103.073.00	—	12	-	-	-	-	-	-	-	6x25

XL cartridges

Depura Cyclon XL filter cartridges for technical/potable use

ITEM	ITEM CODE	UNIT PRICE	PACK.	MATERIAL	DEGREE OF FILTRATION	FLOW RATE ($\Delta P=0,2$ bar)					DIMENS. ($\varnothing \times H$)
						1/2"	3/4"	1"	1 1/2"	2"	
		€/cad.	pezzi		μm	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	cm

WASHABLE NET 25 μm	456.201.20	—	1	-	25	-	-	-	-	-	-
WASHABLE NET 150 μm	456.201.30	—	1	-	150	-	-	-	-	-	-
INOX 50 μm	450.611.55	—	1	-	50	-	-	-	-	-	-
INOX + SILVER 150 μm	450.611.56	—	1	-	150	-	-	-	-	-	-

Products for empty cartridges



ARTICOLO	CODICE	PREZZO €/cad.	CONFEZIONE		MATERIALE
			kg	PZ.	
GELCARB 25	410.700.10	–	25	1	Granular carbon with adsorbent action. Suitable for activated carbon adsorbent cartridges
GELCARB 10	151.000.10	–	10	1	Granular carbon with adsorbent action. Suitable for activated carbon adsorbent cartridges
GELPHOS K	107.030.50	–	1,5	20	Crystals with anti scale action. Suitable for anti scale K cartridges

Spare parts and accessories for filters

ITEM	ITEM CODE	UNIT PRICE €	PACK. pcs.	USE
SMALL WRENCH	450.950.40	–	1	For DEPURA BABY
BIG WRENCH	125.210.50	–	1	Wrench for DEPURA filters (5", 7" and 10" brass and plastic)
PRESSURE GAUGE Ø 40	453.050.55	–	1	For DEPURA CYCLON SI, DEPURA MATIC SI, DEPURA 3000 and DEPURA 3000 CYCLON
BRACKET	455.301.20	–	1	For DEPURA CYCLON XL DN65 / DN 80
PVC FLANGE KIT	102.301.78	–	1	For DEPURA CYCLON XL DN65 x 2" 1/2 F
PVC FLANGE KIT	102.301.79	–	1	For DEPURA CYCLON XL DN 80 x 3" F
FITTING OUT ¾" F	450.830.20	–	1*	For Depura CYCLON SI and SP with 1 "¼ head
FITTING OUT 1" ½ M	450.830.10	–	1*	For Depura MATIC SI with 1 "¼ and 2" heads
FITTING OUT 1" M	450.830.44	–	1*	For DEPURA AUTOMATIC - Interaxle spacing of filter with fittings: 24,8 cm
FITTING OUT 1" ¼	450.830.42	–	1*	For DEPURA AUTOMATIC - Interaxle spacing of filter with fittings: 22,6 cm
FITTING OUT 1" ½ M	450.830.40	–	1*	For Depura CYCLON SI and SP with 2 "head For Depura MATIC SI with 1 "¼ and 2" heads
AUTOMATIC WASHING KIT FOR CYCLON	102.301.70	–	1	For all Depura CYCLON except for DEPURA BABY CYCLON
OR FOR HOUSING DEPURA 500	453.401.65	–	1	OR FOR HOUSING DEPURA 500
OR FOR HOUSING DEPURA 700-1000-3000	453.400.90	–	1	For DEPURA 700, 1000, 3000
SPRING FOR FILTER CARTRIDGES	453.150.10	–	1	For Depura (XL and VORTEX not included)
CARTRIDGE DEPURA BABY	600.080.60	–	1	For DEPURA BABY
HOUSING FOR DEPURA BABY CYCLON	600.071.25	–	1	For DEPURA BABY CYCLON
HOUSING FOR DEPURA 550	600.071.21	–	1	For DEPURA 550
HOUSING FOR DEPURA 500	600.071.15	–	1	For DEPURA 500
HOUSING FOR DEPURA 700 PP	600.071.22	–	1	For DEPURA 700 PL
HOUSING FOR DEPURA 1000-3000	600.071.19	–	1	For DEPURA 1000, 3000
HOUSING FOR DEPURA 1000 TROG	600.071.82	–	1	For DEPURA 1000 TROGAMID
HOUSING FOR DEPURA 700 OTR	600.071.81	–	1	For DEPURA 700 OTR
HOUSING FOR DEPURA CYCLON 1000, 3000	600.070.19	–	1	For DEPURA CYCLON 1000, 3000
CARTRIDGE FOR DEPURA MATIC / AUTOMATIC 2"	600.080.22	–	1	For DEPURA MATIC / AUTOMATIC 2"
WiFi POWER LINK	109.081.05	–	1	WiFi extender through powerline network. For WATERGUARD

*Each pack contains 1 fitting. For a filter, 2 pcs. of the same item code are required.

Deferr

Iron removers

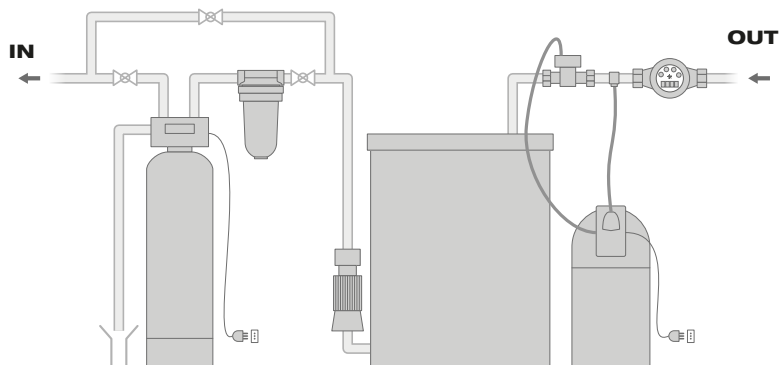


NEW

VF951
for 200



VF1051
for 320



Deferr iron removers are able to remove high amounts of iron and manganese. Before passing through the iron remover water to be treated shall be oxidized, so has to remain in a tank for the time necessary to complete the oxidizing process:

30' for 1,5 ppm of Fe; 45' for 3 ppm of Fe; 60' for 6 ppm of Fe

From the tank water is pumped via a surge tank into the iron remover, where the filter media retain iron and manganese oxidized and turned into flocks. The flocks accumulated by the filter media shall be periodically removed with a backwash. The backwash frequency can be programmed by time. The system is to be sized according to the maximum flow rate per hour and to the levels of iron and manganese.

Deferr units are made up of:

- head with hydropneumatic valve in plastic material and electronic timer.
- cylinder in plastic material covered in fibreglass containing the active media.

ITEM	ITEM CODE	UNIT PRICE	CONN.	MEDIA	IRON ≤ 1,5 PPM		IRON ≤ 3 PPM		IRON ≤ 6 PPM		DRAIN FITTING	BACKWASH FLOW RATE	BACKWASH DURATION	DIMENS. (ØxH) cm
					FLOW RATE m³/h	ΔP bar	FLOW RATE m³/h	ΔP bar	FLOW RATE m³/h	ΔP bar				
		€		l							mm	m³/h	min	
DEFERR 30	119.010.10	–	1" M	30	0,5	<0,3	0,3	<0,2	0,13	<0,2	12,7	1,7	15	25x111
DEFERR 45	119.030.10	–	1" M	45	0,8	<0,4	0,4	<0,3	0,19	<0,2	12,7	1,7	20	25x159
DEFERR 75	119.050.10	–	1" M	75	1,1	<0,3	0,5	<0,2	0,27	<0,2	25	3,9	25	33x159
DEFERR 110	119.070.10	–	1" M	110	1,8	<0,6	0,9	<0,3	0,46	<0,2	25	3,9	30	37x186
DEFERR 140	119.091.10	–	1" M	140	2,3	<0,6	1,2	<0,3	0,58	<0,2	25	4,1	35	41x192
DEFERR 200	119.111.1V	–	1½" M	200	3,4	<0,5	1,7	<0,2	0,85	<0,2	40	6,5	40	56x190
DEFERR 320	119.140.1V	–	2" M	320	5,5	<0,6	2,7	<0,3	1,36	<0,2	40	12	20	61x224

PS. 2 ppm of Fe = 1 ppm of Mn - Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Electrical absorption: 12 VA

Guide to choice of Deferr units

OPERATING FLOW RATE	≤ 0,5 m³/h	0,5-0,75 m³/h	0,75-1 m³/h	1-1,25 m³/h	1,25-1,5 m³/h	1,5-1,8 m³/h	1,8-2,1 m³/h	2,1-2,5 m³/h	2,5-3 m³/h	3-3,6 m³/h	3,6-4,2 m³/h	4,2-5 m³/h	5-6 m³/h
IRON (ppm)													
≤ 0,8	30	30	45	75	75	75	110	110	110	140	200	200	320
≤ 1,5	30	45	75	110	110	110	140	200	200	320	320	320	-
≤ 3	75	110	140	200	200	320	320	320	-	-	-	-	-
≤ 6	140	200	320	320	-	-	-	-	-	-	-	-	-

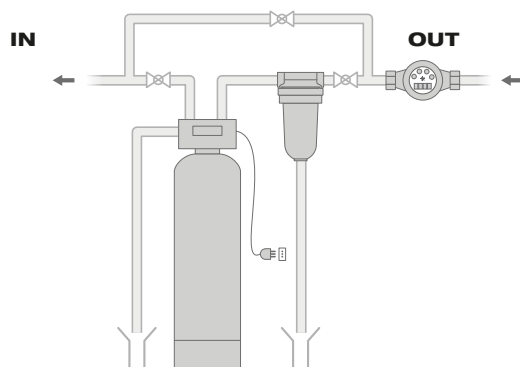


To design bigger units
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Desabb

Clarifiers

NEW

VF951
for 200VF1051
for 320

Desabb clarifiers are used to remove water turbidity. The impurities accumulated by the filter media shall be periodically removed with a backwash. The backwash frequency can be programmed by time. The system is to be sized according to the flow rate required by the user and to the turbidity level of the water to be treated.

Desabb units are made up of:

- head with hydropneumatic valve in plastic material and electronic timer.
- cylinder in plastic material covered in fibreglass containing a multi-layered filter bed with different grain sizes.

If turbidity exceeds 10 mg/l of SiO_2 , it is necessary to install a flocculant dosing system before the Desabb.

ITEM	ITEM CODE	UNIT PRICE	CONN.	MEDIA	TURBIDITY <10 MG/L OF SiO_2		TURBIDITY 10-30 MG/L OF SiO_2		TURBIDITY >30 MG/L OF SiO_2		DRAIN FITTING	FLOW RATE CONTROLAV.	BACKWASH DURATION.	DIMENS. (ØxH)
					FLOW RATE	ΔP	FLOW RATE	ΔP	FLOW RATE	ΔP				
		€		l	m³/h	bar	m³/h	bar	m³/h	bar	mm	m³/h	min	cm
DESABB 30	119.480.10	–	1" M	30	0,9	<0,4	0,6	<0,3	0,3	<0,2	12,7	1,7	15	25x111
DESABB 45	119.500.10	–	1" M	45	1,4	<0,7	0,9	<0,5	0,45	<0,3	12,7	1,7	20	25x159
DESABB 75	119.540.10	–	1" M	75	2,3	<0,7	1,5	<0,5	0,75	<0,3	25	3,9	25	33x159
DESABB 110	119.560.10	–	1" M	110	3,3	<1,0	2,2	<0,7	1,1	<0,4	25	3,9	30	37x186
DESABB 140	119.581.10	–	1" M	140	4,2	<0,7	2,8	<0,5	1,4	<0,3	25	4,1	35	41x192
DESABB 200	119.601.1V	–	½" M	200	6	<0,9	4	<0,7	2	<0,4	40	6,5	40	56x190
DESABB 320	119.620.1V	–	2" M	320	9,6	<1,0	6,4	<0,7	3,2	<0,4	40	12	20	61x224

PS. 2 ppm of Fe = 1 ppm of Mn - Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Electrical absorption: 12 VA

Guide to choice of Desabb units

OPERATING FLOW RATE	≤ 0,9 m³/h	0,9-1,4 m³/h	1,4-1,8 m³/h	1,8-2,8 m³/h	2,8-4 m³/h	4-5 m³/h	5-6 m³/h	6-7 m³/h	7-9 m³/h
TURBIDITY (PPM)									
≤ 10	30	45	75	110	140	200	200	320	320
10-30	45	75	110	200	200	320	320	-	-
> 30	110	140	200	320	-	-	-	-	-



To design bigger units
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Declor

Chlorine removers

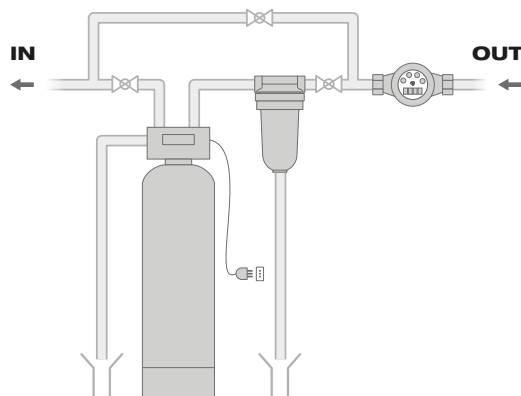


NEW

VF951
for 200



VF1051
for 320



Declor activated carbon filters are used to reduce the excess of residual chlorine and to remove bad smells and chemical pollutants such as atrazine, hydrocarbons, etc. The channelling created by water on the filter media shall be periodically removed with a backwash. The backwash frequency can be programmed by time. The system is to be sized according to the flow rate required by the user and to the level of chlorine and organic substances.

Declor units are made up of:

- head with hydropneumatic valve in plastic material and electronic timer
- cylinder in plastic material covered in fibreglass containing special media of activated carbon of vegetal origin with adsorbent action.

ITEM	ITEM CODE	UNIT PRICE	CONN.	MEDIA	CHLORINE REMOVING USE*		ADSORBENT USE**		CHLORINE REMOVING USE/ ADSORBENT USE***		DRAIN FITTING	BACKWASH DURATION	DIMENS. (ØxH) cm
					FLOW RATE	ΔP	FLOW RATE	ΔP	FLOW RATE	ΔP			
		€		l	m³/h	bar	m³/h	bar	m³/h	bar	mm	min	
DECLOR 30	119.300.10	–	1" M	33	0,8	<0,3	0,4	<0,2	0,19	<0,2	12,7	15	25x111
DECLOR 45	119.320.10	–	1" M	48	1,1	<0,6	0,6	<0,3	0,28	<0,2	12,7	20	25x159
DECLOR 75	119.340.10	–	1" M	80	1,8	<0,6	0,9	<0,3	0,46	<0,2	25	25	33x159
DECLOR 110	119.380.10	–	1" M	116	2,7	<0,9	1,3	<0,5	0,67	<0,3	25	30	37x186
DECLOR 140	119.401.10	–	1" M	147	3,4	<0,8	1,7	<0,5	0,85	<0,3	25	35	41x192
DECLOR 200	119.421.1V	–	1½" M	213	4,9	<0,7	2,5	<0,4	1,23	<0,2	40	40	56x190
DECLOR 320	119.440.1V	–	2" M	332	7,7	<0,9	3,8	<0,5	1,92	<0,3	40	20	61x224

Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Electrical absorption: 12 VA

Guide to choice of Declor units

PORTATA DI ESERCIZIO	≤ 0,8 m³/h	0,8 - 1,4 m³/h	1,4 - 1,8 m³/h	1,8 - 2,8 m³/h	2,8 - 4 m³/h	4 - 5 m³/h	5 - 6 m³/h	6 - 7 m³/h
CHLORINE REMOVING USE *	30	75	75	140	200	320	320	320
ADSORBENT USE **	75	140	200	320	-	-	-	-
CHLORINE REMOVING/ ADSORBENT USE ***	140	320	320	-	-	-	-	-

* water with max 1 ppm of chlorine in;

** water with max 1 ppm of chlorine in and max 1 ppm of adsorbent substances;

*** water with max 3 ppm of chlorine in and max 1 ppm of adsorbent substances

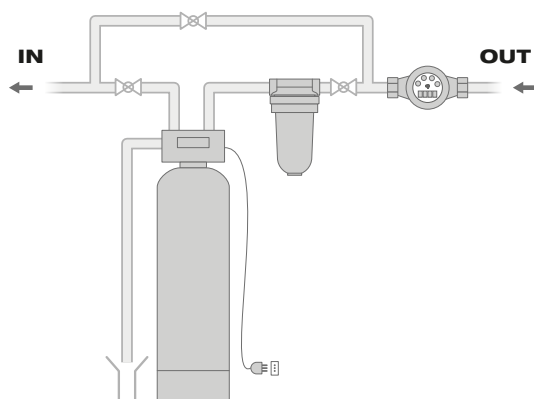


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Neutral

Neutralisers

NEW

VF951
per 200VF1051
per 320

Neutral units are dolomite filters used to increase water hardness and/or pH. The channelling created by water on the filter media shall be periodically removed with a backwash. The backwash frequency can be programmed by time. The system is to be sized according to the flow rate required by the user.

Neutral units are made up of:

- head with hydropneumatic valve in plastic material and electronic timer
- cylinder in plastic material covered in fibreglass containing the active media of calcium carbonated (dolomite).

ITEM	ITEM CODE	UNIT PRICE	CONN.	MEDIA	FLOW RATE			DRAIN FITTING	BACKWASH DURATION	DIMENS. (ØxH) cm
					OPERATION	ΔP	PEAK			
		€		l	m³/h	bar	l/min	mm	min	
NEUTRAL 30	119.490.10	–	1" M	33	0,5	<0,3	10	12,7	15	25x111
NEUTRAL 45	119.510.10	–	1" M	48	0,7	<0,6	13	12,7	20	25x159
NEUTRAL 75	119.550.10	–	1" M	80	1,1	<0,6	20	25	25	33x159
NEUTRAL 110	119.570.10	–	1" M	116	1,7	<0,9	32	25	30	37x186
NEUTRAL 140	119.591.10	–	1" M	147	2,1	<0,7	40	25	35	41x190
NEUTRAL 200	119.611.1V	–	1½" M	213	3	<0,8	55	40	40	56x187
NEUTRAL 320	119.630.1V	–	2" M	332	4,8	<0,9	88	40	20	61x225

Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Electrical absorption: 12 VA

Guide to choice of Neutral units

OPERATING FLOW RATE	≤ 0,5 m³/h	0,5 - 0,7 m³/h	0,7 - 1,1 m³/h	1,1 - 1,7 m³/h	1,7-2,1 m³/h	2,1 - 3 m³/h	3 - 4,8 m³/h
MODEL	30	45	75	110	140	200	320



To design bigger units
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water treatment systems. On www.gel.it.

Denitrat

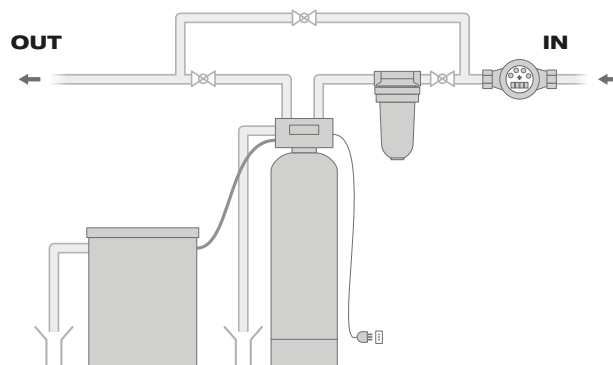
Nitrate removers



VF951
for 200



VF1051
for 320



Denitrat units are anionic resin filters retaining nitrates present in water, to be regenerated with sodium chloride. Regeneration can be programmed by volume/time. The system is to be sized according to daily water consumption, peak flow rate and nitrates level.

Denitrat units are made up of:

- head with hydropneumatic valve in plastic material and electronic timer
- cylinder in plastic material covered in fibreglass containing anionic resin for nitrates removal.
- brine tank.

ITEM	ITEM CODE	UNIT PRICE	CONN.	MEDIA	POTABLE USE			BRINE TANK CAPACITY	REGEN. DURATION	DIMENS.	
					OPERATION FLOW RATE	ΔP	PEAK FLOW RATE			CYLINDER (ØxH)	BRINE TANK (ØxH)
		€		l	l/h	bar	l/min	l	min	cm	cm
DENITRAT 30	119.500.30	–	1" M	30	0,9	<0,7	33	100	98	25x111	46x87,5
DENITRAT 45	119.520.30	–	1" M	45	1,4	<0,8	41	100	155	25x159	46x87,5
DENITRAT 75	119.540.30	–	1" M	75	2,3	<0,9	68	100	136	33x159	46x87,5
DENITRAT 110	119.560.30	–	1" M	110	3,3	<1,2	80	145	141	37x186	51,6x95
DENITRAT 140	119.580.30	–	1" M	140	4,2	<1,5	102	145	170	41x186	51,6x95
DENITRAT 200	119.600.3V	–	1½" M	200	6	<1,6	117	200	190	56x183	56x95,5
DENITRAT 320	119.620.3V	–	2" M	320	7	<1,5	151	350	110	61x235	68x116

Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Electrical absorption: 12 VA

Guide to choice of Denitrat units

FLATS	NITRATES WATER CONSUMPTION	50 mg/l	60 mg/l	70 mg/l	80 mg/l	90 mg/l	100 mg/l
	n° m³/day						
1-2	≤ 0,9	30	30	30	30	30	30
2-3	0,95 - 1,5	30	30	45	45	45	75
3-4	1,6 - 2,25	45	45	75	75	75	75
4-6	2,3 - 3,3	75	75	110	110	110	110
7-10	3,4 - 4,5	110	110	110	140	140	200

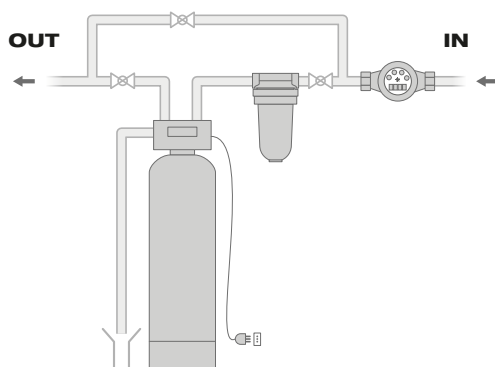


To design bigger units we recommend to use PROGETTO ACQUA, the online free software to design water treatment systems. On www.gel.it.

Dearsenic

Arsenic removers

NEW



Dearsenic arsenic removers are water filters with selective resins used to retain the arsenic present in water. The system is to be sized according to the flow rate required by the user and the level of arsenic.

Dearsenic units are made up of:

- fitting in plastic material
- cylinder in plastic material covered in fibreglass containing the resins for arsenic adsorption.

ITEM	ITEM CODE	UNIT PRICE	CONN.	RESINS VOLUME	ARSENIC <10 µg/l		MAX LIFETIME*	DIMENS. (ØxH) cm
					FLOW RATE	ΔP		
		€		l	m³/h	bar	m³	
DEARSENIC 10	101.092.96	–	1" M	10	0,3	≤ 1	300	21x76,9
DEARSENIC 20	101.092.97	–	1" M	20	0,6	≤ 1	600	20x110
DEARSENIC 45	101.092.99	–	1" M	45	1,35	≤ 1	1350	33x159
DEARSENIC 75	101.093.02	–	1" M	75	2,25	≤ 1	2250	33x159

* Lifetime calculated considering a water with 50 µg/l of arsenic - Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Power consumption: 12 VA

Guide to choice of Dearsenic units

OPERATING FLOW RATE	≤ 0,3 m³/h	0,3 - 0,6 m³/h	0,6 - 1,35 m³/h	1,35 - 2,25 m³/h
MODEL	10	20	45	75



To design bigger units
we recommend to use **PROGETTO ACQUA**,
the online free software to design
water treatment systems. On www.gel.it.

Spare parts and accessories for water filters

ARTICOLO	CODICE	PREZZO €/cad.	CONF. pezzi
SWITCH KIT R	600.070.10	–	1
REMOTE CONTROLLED OUTLET 220 V SW	500.040.50	–	1
QUARTZITE 3-5 MM FOR DESABB - 25 KG PACK	410.700.30	–	1
QUARTZITE 1-2 MM FOR DESABB - 25 KG PACK	410.700.40	–	1
QUARTZITE 0.8-1.2 MM - 25 KG PACK	410.700.50	–	1
QUARTZITE 0.4-0.8 MM - 25 KG PACK	410.700.55	–	1
QUARTZITE 5-8 MM - 25 KG PACK	410.700.25	–	1
MANGANESE DIOXIDE FOR DEFERR – 12.5 L PACK	410.700.65	–	1
BRINE SUCTION HOSE PE LD 3/8" X 1/4"	455.900.05	–	1
LIMESTONE FOR NEUTRAL 3.5-6 MM	410.701.40	–	1
GELCARB 25 Kg	410.700.10	–	1
GELCARB 10 Kg	151.000.10	–	1



Softening



Softeners

Hi-Soft / Decalux / Decal / Duplex

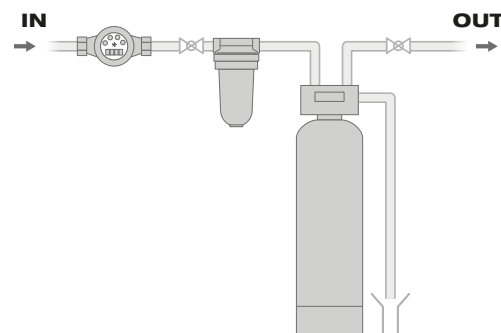
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Hi-Soft

High-efficiency ion exchange cabinet water softeners



- **UP FLOW REGENERATION**
- **0,09 KG SALT FOR ONE LITRE RESIN***
- **4.6 LITRES WATER FOR ONE LITRE RESIN***



Hi-Soft cabin softeners represent an **excellent compromise of efficiency in terms of consumption and performance** and are equipped with the following:

- UP-FLOW regeneration mode to ensure salt and water savings during regeneration
- Brine valve with safety float
- Volumetric electronic volumetric timer with multilingual display with touch buttons
- **Built-in by-pass**
- **HOLIDAY keeping** resins clean during holidays
- Built-in mixing valve
- Resin self disinfection system
- **Low salt alarm**

ITEM	ITEM CODE	UNIT PRICE	CONN.	RES. VOL.	CYCLIC CAPAC.	FLOW RATE POTABLE USE* (H.L.<5)		SALT RESERVE	REGEN. DURATION	AVERAGE AMOUNT OF WATER USED PER REGEN.	SALT USED PER REGEN.	DIMENS. (LxHxZ) cm
						OPERATION	PEAK			l	kg	
HI-SOFT 9	109.789.10	—	3/4" M	9	45	0,42	14	15	28	48	0,9	30x50x48
HI-SOFT 20	109.789.20	—	3/4" M	20	100	1,2	32	41	67	92	1,9	30x83x48
HI-SOFT 30	109.789.30	—	1" M	30	150	2,16	48	56	97	132	2,8	30x106x48

*Data refers to the 20-liter model. **Hardness leakage. Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Water Pressure: 1,5-8 bar; Operating pressure: 1,5-5 bar (with pressure > 4 bar, install a pressure reducer); Power supply: 230/50 V/Hz

Guide to choice of Hi-Soft units

FLATS	WATER CONSUMPTION	WATER HARDNESS				
		20/29 °f	30/34 °f	35/39 °f	40/44 °f	45/50 °f
1	≤ 0,3	HI-SOFT 9	HI-SOFT 9	HI-SOFT 9	HI-SOFT 9	HI-SOFT 20
1 - 2	0,3 - 1	HI-SOFT 20	HI-SOFT 20	HI-SOFT 20	HI-SOFT 20	HI-SOFT 30
2 - 3	1 - 2,5	HI-SOFT 20	HI-SOFT 20	HI-SOFT 30	HI-SOFT 30	HI-SOFT 30

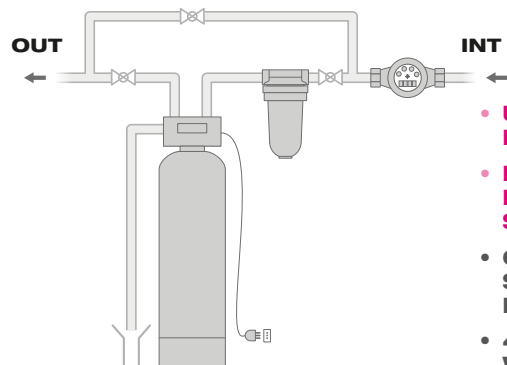
The table "Guide to choice" only considers the daily water consumption, so please check the peak flow rate. If the peak flow rate is not suitable, choose the bigger model of water softener. Recommended regeneration frequency 2 days. Recommended residual hardness 15 °f.



To design bigger units we recommend to use **PROGETTO ACQUA**, the online free software to design water treatment systems. On www.gel.it.

Decalux

Ion exchange cabinet water softeners



- **UP-FLOW REGENERATION**
- **LARGE CABINET FOR GREATER SALT STORAGE**
- **0,096 KG OF SALT FOR 1 LITRE RESIN***
- **4,2 LITRES OF WATER FOR 1 LITRE RESIN***



Decalux softeners are equipped with the new user-friendly control head (valve + timer) and are characterised:

- Management of different resin regeneration levels
- Built-in mixing valve
- **Holiday Mode** to keep resins clean while away
- Multilingual electronic timer
- **Integrated by-pass**
- Programmable maintenance reminders

ITEM	ITEM CODE	UNIT PRICE	CONN.	RES. VOL.	CYCLIC CAPAC.	FLOW RATE FOR POTABLE USE* (H.L.<5)		BRINE TANK CAPACITY	REGEN. DURATION	AVERAGE WATER USED FOR REG.	SALT USED FOR REGEN.	DIMENS. (LxHxZ) cm
						OPERATION	PEAK			l	kg	
DECALUX 5	108.700.40	—	1" M	5	25	0,3	8	43	40	35	0,5	34x55x50
DECALUX 10	108.715.40	—	1" M	10	50	0,6	16	86	45	48	0,9	40x78x60
DECALUX 15	108.720.40	—	1" M	15	75	0,9	24	145	50	63	1,4	40x111x60
DECALUX 20	108.725.40	—	1" M	20	100	1,2	32	145	58	92	1,9	40x111x60
DECALUX 25	108.730.40	—	1" M	25	125	1,5	40	145	105	125	2,4	40x111x60
DECALUX 30	108.735.40	—	1" M	30	150	1,8	48	145	98	132	2,8	40x111x60
DECALUX 45	108.745.40	—	1" M	45	225	2,25	60	251	155	164	4,3	50 x134x70
DECALUX 60	108.750.40	—	1" M	60	300	3	64	251	110	264	5,8	50x134x70

Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C

Guide to choice of Decalux

APARTMENTS n°	WATER CONSUMPTION m³/day	WATER HARDNESS				
		20/29 °f	30/34 °f	35/39 °f	40/44 °f	45/50 °f
1	0,6	10	10	10	10	15
2	1,2	15	15	20	20	25
3	1,8	20	25	25	30	45
4	2,4	25	30	45	45	60
5	3,0	30	45	45	60	60
6	3,6	45	45	60	60	-
7	4,2	45	60	60	-	-
8	4,8	45	60	-	-	-



For bigger units, we recommend to use **PROGETTO ACQUA**, the free and online software to size water treatment systems. On www.gel.it

Notice: The table "Guide to choice" only the daily water consumption is considered. Therefore, it is essential to also check the peak flow rate. If the peak flow rate is not adequate, select the next higher softener model. The guide also assumes a regeneration frequency of every 3 days, 3 people per apartment, and an average per capita consumption of 0.2 m³/day.

Decal

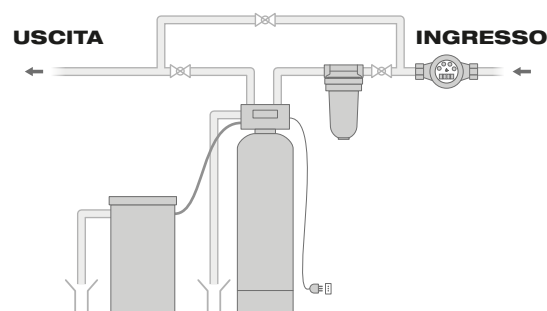
Ion exchange **twin body** water softeners



VF95
for M models



VF105
for B models



- **UP-FLOW REGENERATION**
- **LARGE CABINET FOR GREATER SALT STORAGE**
- **0.096 KG OF SALT FOR 1 LITRE RESIN***
- **4.2 LITRES OF WATER FOR 1 LITRE RESIN***

Decal softeners are equipped with the new user-friendly control head (valve + timer) and are characterised:

- Management of different resin regeneration levels
- Built-in mixing valve (up to 75 lt)
- Integrated **By-pass** (up to 75 lt)
- **Holiday Mode** to keep resins clean while away
- Multilingual electronic timer
- Programmable maintenance reminders

ITEM	ITEM CODE	UNIT PRICE	CONN.	RES. VOL.	CYCLIC CAPAC.	FLOW RATE POTABLE USE* (H.L.<5)		SALT RESERVE	REGEN. DURATION	AVERAGE AMOUNT OF WATER USED FOR REGEN.	SALT USED FOR REGEN.	DIMENS. CYLINDER BRINE TANK	
						OPERATION	PEAK					(ØxH)	(ØxH)
		€/cad.		l	m³x1°f	m³/h	l/min	l	min	l	kg	cm	cm

DECAL 15 - 200

DECAL 15	128.810.30	—	1" M	15	75	0,9	24	100	50	63	1,4	25x111	46x87,5
DECAL 20	128.815.30	—	1" M	20	100	1,2	32	100	58	67	1,9	25x111	46x87,5
DECAL 25	128.820.30	—	1" M	25	125	1,5	40	100	105	125	2,4	25x111	46x87,5
DECAL 30	128.825.30	—	1" M	30	150	1,8	48	100	98	120	2,9	25x111	46x87,5
DECAL 45	128.835.30	—	1" M	45	225	2,2	60	100	155	164	4,4	25x159	46x87,5
DECAL 60	128.840.30	—	1" M	60	300	3,0	64	100	110	264	5,8	33x134	46x87,5
DECAL 75	128.845.30	—	1" M	75	375	3,7	64	100	136	315	7,2	33x159	46x87,5
DECAL 110	128.850.30	—	1" M	110	550	4,4	110	145	141	431	10,6	37x186	51,6x95
DECAL 140	128.855.30	—	1" M	140	700	5,6	120	145	170	638	13,5	41x186	51,6x95
DECAL 200	128.860.3V	—	1" M	200	1000	7,0	133	200	190	800	19,2	56x183	56x95,5

DECAL 110 M - 500 B

DECAL 110 M	128.865.30	—	1½" M	110	550	4,4	120	145	141	431	10,6	37x190	51,6x95
DECAL 140 M	128.870.30	—	1½" M	140	700	5,6	151	145	170	638	13,5	41x190	51,6x95
DECAL 200 M	128.875.3V	—	1½" M	200	1000	7,0	160	200	190	800	19,2	56x187	56x95,5
DECAL 250 B	128.862.3V	—	2" M	250	1250	8,7	235	350	91	1050	24,0	61x235	68x116
DECAL 320 B	128.865.3V	—	2" M	320	1600	9,6	258	350	110	1344	30,7	61x235	68x116
DECAL 500 B	128.870.3V	—	2" M	500	2500	15,0	350	500	130	2100	48,0	77x237	79,2x112

Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C

Guide to choice of Decal

APARTMENTS n°	WATER CONSUMPTION m³/day	WATER HARDNESS				
		20/29 °f	30/34 °f	35/39 °f	40/44 °f	45/50 °f
1	0,6	10	10	10	10	15
2	1,2	15	15	20	20	25
3	1,8	20	25	25	30	45
4	2,4	25	30	45	45	60
5	3,0	30	45	45	60	60
6	3,6	45	45	60	60	-

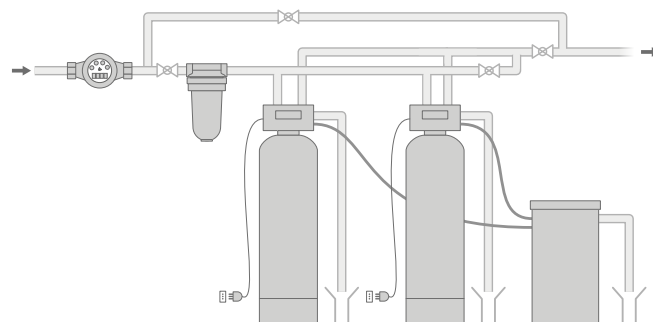
Notice: The table "Guide to choice" only the daily water consumption is considered. Therefore, it is essential to also check the peak flow rate. If the peak flow rate is not adequate, select the next higher softener model. The guide also assumes a regeneration frequency of every 3 days, 3 people per apartment, and an average per capita consumption of 0.2 m³/day.



For bigger units, we recommend to use PROGETTO ACQUA, the free and online software to size water treatment systems. On www.gel.it

Duplex

Ion exchange multi column water softeners



Duplex softeners are controlled by a single valve, designed to meet the needs of professionals in the water treatment industry who require a system that is easy to program and operate, while also being highly reliable and robust.

The valve is capable of managing all the phases of the softening process.

Duplex systems supply softened water 24/24, without interruptions during regeneration.

- Pure Volume-Based Regeneration Management
- Multilingual electronic volumetric timer
- Low salt alarm

ITEM	ITEM CODE	UNIT PRICE	CONN.	RESIN VOL.	CYCLIC CAPAC.	FLOW RATE POTABLE USE* (H.L.<5)		BRINE TANK CAPACITY	AVERAGE WATER USED FOR REG	SALT USED FOR REGEN.	REGEN. DURAT.	DIMENS. CYLINDER	
						OPERATION	PEAK					BRINE (ØxH)	TANK (ØxH)
		€/cad.		l	m³x1°f	m³/h	l/min	l	l	(kg)	min	cm	cm
DUPLEX 15-140													
DUPLEX 15	108.915.40	–	1" M	15	90	0,9	24	100	98	2,2	22	24x112	46x87,5
DUPLEX 20	108.920.40	–	1" M	20	120	1,2	32	100	131	3,0	29	24x112	46x87,5
DUPLEX 25	108.925.40	–	1" M	25	150	1,5	40	100	162	3,7	36	25x112	46x87,5
DUPLEX 30	108.930.40	–	1" M	30	180	1,8	48	100	195	4,5	43	25x112	46x87,5
DUPLEX 45	108.945.40	–	1" M	45	270	2,25	60	100	298	6,7	36	25x160	46x87,5
DUPLEX 60	108.960.40	–	1" M	60	360	3	81	100	448	9,0	33	33x135	46x87,5
DUPLEX 75	108.975.40	–	1" M	75	450	3,75	101	100	560	11,2	41	33x160	46x87,5
DUPLEX 110	108.980.40	–	1" M	110	660	4,4	106	145	795	16,5	47	37x187	51,6x95
DUPLEX 140	108.985.40	–	1" M	140	840	5,6	106	145	995	21,0	59	41x187	51,6x95
DUPLEX 200 - 320													
DUPLEX 200	108.984.4V	–	1"½ M	200	1200	7	160	200	1524	30,0	66	56x97	56x95
DUPLEX 250	108.986.4V	–	1"½ M	250	1500	8,75	175	350	1671	37,5	34	61x235	68x116
DUPLEX 320	108.988.4V	–	1"½ M	320	1920	9,6	227	350	2188	48,0	38	61x235	68x116
DUPLEX 500 B													
DUPLEX 500 **	108.994.4V	–	2" M	500	3000	15	700	850	3208	75,0	53	77x237	104x109

* Flow rate without mixing bypass - Pressure: 2-6 bar; Water temperature: 5-30 °C; Ambient temperature: 5-50 °C

** The product is available upon request.

ResiClean

Cleaner and regenerator for softener resins

Ready-to-use concentrated acidic solution to remove inorganic deposits that accumulate in the ion exchange resins of softeners. Pour 15 ml of product per litre of resin into the brine tank of the softener and start a manual regeneration.



ITEM	ITEM CODE	UNIT PRICE	PACK.	USE
		€	pcs.	
250 ML RESICLEAN	109.081.60	—	12	For all models of water softeners
1 LITRE RESICLEAN	109.081.65	—	6	For all models of water softeners
5 LITRE RESICLEAN	109.081.70	—	1	For all models of water softeners

Spare parts and accessories for water softeners

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONNECTION	MATERIAL	USE
		€	Pcs.			
NEEDLE VALVE 1" 1/4 F	454.274.52	—	1	-	Bronze	For DECAL >75
NEEDLE VALVE 1" 1/2 F	454.274.53	—	1	-	Bronze	For DECAL >75
NEEDLE VALVE 2" F	454.274.50	—	1	-	Bronze	For DECAL >75
PISTON ASSEMBLY	450.053.55	—	1	-	-	For COMPACT
CATIONIC RESIN 25 L	410.700.24	—	1	-	-	For DECALUX, DECAL, DUPLEX
QUARTZITE 3-5 MM - 25 KG	410.700.30	—	1	-	-	For DECALUX, DECAL, DUPLEX
BRINE SUCTION HOSE PE LD 3/8" X 1/4"	455.900.05	—	€/m	-	-	For DECALUX, DECAL, DUPLEX up to 200 litres of resin





Dosing



Anti scale proportional dosing units

ZeroCal+ PRO / Dosaphos

44



Magnetic scale reducers

Antikal

53



Metering pumps

Dosamatic / Dosatower

54

Zerocal+ PRO

Ultra-compact proportional anti-scale dosing unit with liquid refill for a small footprint

TESTED

BY TOP BOILER MANUFACTURERS



GEL PATENT



GEL PATENT



Free 250 g refill


 horizontal / vertical adjustable DUAL connection
360°


Zerocal+ PRO are anti scale proportional dosing units for boilers, water heaters, washing machines and dishwashers. Zerocal+ PRO units use the technology with an **immersion pump** that does not damage even though there has been no anti scale liquid for long.

The ultra compact sizes, the ergonomic shape and the adjustable connections make installation fast and easy both on horizontal and elbow pipes.

In addition to the traditional connections, for those who prefer brass, there are the new **Dima brass 1/2"** and **Dima brass 3/4"** connections.

To refill the anti scale product it is not necessary to close water supply; it is enough to loosen the tank, pour in Zerocal+ DOSE and place the tank back in.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MAX PRESS.	MIN-MAX FLOW RATE ($\Delta P = 0,5$ bar)	AVERAGE AUTONOMY with 250 g of ZC DOSE	INTERAXIS	DIMENSIONS (LxHxZ)
		€	pcs.		bar	m ³ /h	m ³	cm	cm
ZEROCAL+ PRO LINEA 1/2"	105.081.20	—	12	1/2-1/2" M	1,3÷6	0,18-0,8	11	7,6	8,2x16,5x8
ZEROCAL+ PRO DIMA 1/2"	105.080.20	—	12	1/2-1/2" F	1,3÷6	0,18-0,8	11	5,7	8,2x22x8
ZEROCAL+ PRO DIMA OTTONE 1/2"	105.080.10	—	12	1/2-1/2" F	1,3÷6	0,18-0,8	11	5,7	8,2x22x8
ZEROCAL+ PRO DIMA OTTONE 3/4"	105.081.60	—	12	3/4-3/4" F	1,3÷6	0,18-0,8	11	5,7	8,2x22x8
ZEROCAL+ PRO DIMA L VERTICALE 1/2"	105.080.40	—	12	1/2-1/2" F	1,3÷6	0,18-0,8	11	3	8,2x24,5x8
ZEROCAL+ PRO DIMA DUAL UNIVERSALE 1/2"	105.080.50	—	12	1/2-1/2" F	1,3÷6	0,18-0,8	11	5,4 orizz. 3,0 vert.	8,2x22x8 orizz. 8,2x24,5x8 vert.

Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Material: pump in polyoxymethylene (POM) and tank in polyethylene (PE)

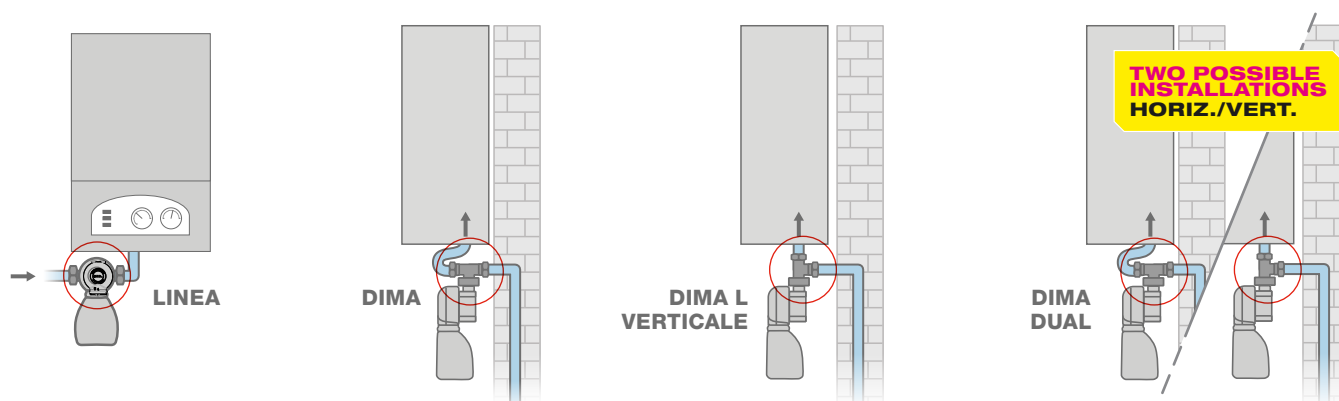
Find out the benefit of the new versatile Dima Dual Universal connections.



The Zerocal⁺ PRO dosing units are available with 6 different connections for each kind of installation



Installations



Zerocal+ SENSOR

Antiscale proportional dosing units with liquid refill with acoustic-visual indicator

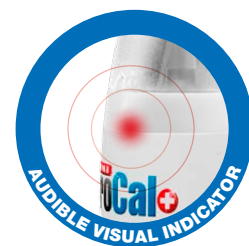


Zerocal+ SENSOR are anti scale proportional dosing units for boilers, water heaters, washing machines and dishwashers. Zerocal+ SENSOR units use the technology with an **immersion pump** that does not damage even though there has been no anti scale liquid for long.

The ultra compact sizes, the ergonomic shape and the adjustable connections make installation fast and easy both on horizontal and elbow pipes.

The acoustic and visual indicator warns when it is time to refill the anti-scale liquid.

To refill the anti scale product it is not necessary to close water supply; it is enough to loosen the tank, pour in Zerocal+ DOSE and place the tank back in.



ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MAX PRESS.	MIN-MAX FLOW RATE (ΔP = 0,5 bar)	AVERAGE AUTONOMY WITH 250 ml OF ZC DOSE	INTERAXIS	DIMENSIONS (LxHxZ)
		€/cad.	pezzi		bar	m³/h	m³	cm	cm
ZEROCAL+ DIMA SENSOR 1/2"	105.078.00	—	3	1/2-1/2" F	1,5÷6	0,18-0,75	11	5,7	8x22,4x11,3
ZEROCAL+ DIMA L VERTICALE SENSOR 1/2"	105.078.60	—	3	1/2-1/2" F	1,5÷6	0,18-0,75	11	3	8x23,7x11,3
ZEROCAL+ DIMA DUAL UNIVERSALE SENSOR 1/2"	105.079.10	—	3	1/2-1/2" F	1,5÷6	0,18-0,75	11	5,4 orizz. 3,0 vert.	8x23,7x11,3

Water temperature: 5-30 °C; Ambient temperature: 5-50 °C - Battery: 3V Litio CR 2032; Material: pump in polyoxymethylene (POM) and tank in polyethylene (PE)

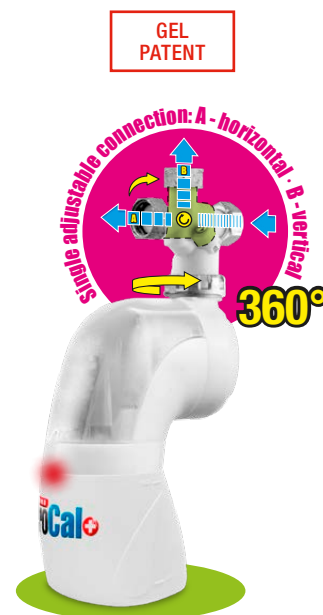
The Zerocal⁺ SENSOR dosing units are available with 4 different connections for each kind of installation



**DIMA
CONNECTIONS 1/2"**

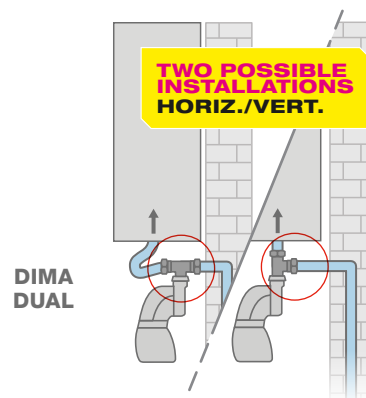
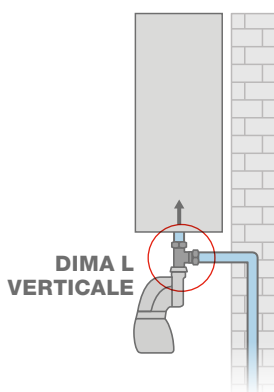
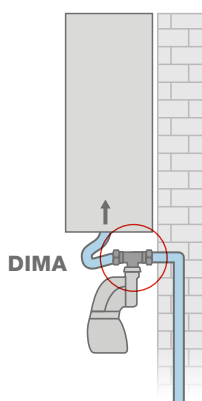


**DIMA L VERTICAL
CONNECTIONS 1/2"**



**DIMA DUAL UNIVERSALE
CONNECTIONS 1/2"**

Installations



Find out the benefit of the new versatile Dima Dual Universal connections.



Dosaphos

Anti scale and anti corrosion proportional dosing units with powdered refill



DOSAPHOS are anti scale and anti corrosion dosing units for boilers, water heaters, washing machines and dishwashers. The operation is based on the automatic and proportional dosing of the Gelphos product, with chelating and sequestering action, able to:

- prevent calcium carbonate deposits (no scale)
- form a protection film on the internal surface of pipes (no corrosion).

The new quick coupling renews the line and allows to install the dosing unit in a fast and easy way (the quick coupling has just one safety screw). Furthermore the new Fast connections with rotating ring nut and Dima Vertical connections make installation easy in the tight spaces between wall and boiler.

Dosaphos 250 and Dosaphos Dima are fitted with the Acquastop device, which avoids to build the cut-out bypass of the system and allows to refill the product easily without closing water supply.

The Dosaphos are enriched with the model with plastic head, Dosaphos PL 250 FAST.

ITEM	ITEM CODE	UNIT PRICE	PACK.	BY-PASS	ROTATING RING NUT	FEMALE THREAD	CONN.	MAX PRESS.	FLOW RATE ($\Delta P = 0,2$ bar)	AVERAGE LIFETIME	MATER TESTA	MATER VASO	DIMENS. (LxH)	INTER.
		€ €/cad.	pcs. pezzi					bar bar	m ³ /h m ³ /h	m ³ m ³			cm cm	cm
DOSAPHOS 200 ½"	105.010.60	—	6	No	-	Yes	1/2-1/2" F	10	2	12÷15	BRASS	SAN	15,2x9,5	6
DOSAPHOS 200 FAST ½"	105.010.70	—	6	No	Yes	-	1/2-1/2" F	10	2	12÷15	BRASS	SAN	15,3x9,5	4,2
DOSAPHOS 250 ½"	105.030.80	—	6	Yes	-	Yes	1/2-1/2" F	10	2	12÷15	BRASS	SAN	6x15	6
DOSAPHOS 250 FAST ½"	105.030.90	—	6	Yes	Yes	-	1/2-1/2" F	10	2	12÷15	BRASS	SAN	4x15	4,2
DOSAPHOS PL 250 FAST ½"	105.060.10	—	6	Yes	Yes	-	1/2-1/2" F	10	2	12÷15	PP	SAN	15,5x11,6	5,4
DOSAPHOS DIMA ½"	105.050.75	—	6	Yes	Yes	-	1/2-1/2" F	10	1,5	12÷15	BRASS	SAN	4x19,5	4,2
DOSAPHOS DIMA VERTICALE ½"	105.050.95	—	6	Yes	Yes	-	1/2-1/2" F	10	1,5	12÷15	BRASS	SAN	2,8x20,5	2,5x3

Water temperature: 5-30 °C; Ambient temperature: 5-50 °C
Use: tec/pot; Max dosage: 4 ppm

DOSAPHOS
is available with 4 different connections for each kind of installation



1/2"
CONNECTION



FAST
1/2" CONNECTION

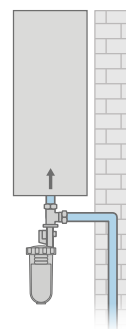
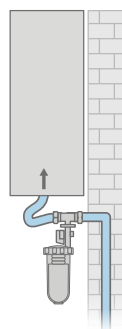
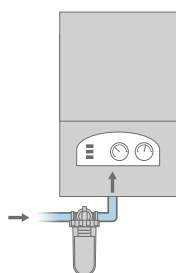
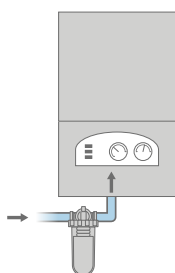


DIMA
1/2" CONNECTION



DIMA
VERTICAL 1/2" CONN.

Installations



Antiscale KITS

Anti scale anti corrosion kit with 8 powdered refills

Anti scale kits include:

- 1 Dosaphos
- 8 Gelphos Rapid stick refills for 8 months lifetime

GEL
PATENT

THE ORIGINAL



ARTICOLO	CODICE	PREZZO €/cad.	CONF. pezzi	DESCRIZIONE
KIT ANTICALCARE 200 ½"	104.510.90	—	3	1 Dosaphos 200 + 8 stick refills Gelphos Rapid + Small wrench
KIT ANTICALCARE 200 FAST ½"	104.510.80	—	3	1 Dosaphos fast 200 + 8 stick refills Gelphos Rapid + Small wrench
KIT ANTICALCARE 250 ½"	104.520.90	—	3	1 Dosaphos 250 + 8 stick refills Gelphos Rapid + Small wrench
KIT ANTICALCARE 250 FAST ½"	104.520.80	—	3	1 Dosaphos 250 FAST+ 8 stick refills Gelphos Rapid + Small wrench
KIT ANTICALCARE PL 250 FAST ½"	104.520.70	—	3	1 Dosaphos PL 250 FAST + 8 stick refills Gelphos Rapid + Small wrench
KIT ANTICALCARE DIMA ½"	104.560.90	—	3	1 Dosaphos DIMA + 8 stick refills Gelphos Rapid + Small wrench
KIT ANTICALCARE DIMA VERTICALE ½"	104.560.50	—	3	1 Dosaphos vertical DIMA + 8 stick refills Gelphos Rapid + Small wrench

Water temperature: 5-30 °C; Ambient temperature: 5-50 °C

Zerocal+ Plant

Anti scale proportional dosing units for water systems with liquid refill

Zerocal+ Plant does not require power supply and is fitted with a sound and visual signal system warning you when it is time to refill the anti scale liquid (yellow led) and when it is time to replace the battery (red led).

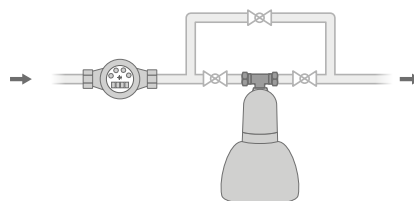
The new ¾" brass connections allow to install the dosing unit in most systems where it can be installed. The ¾" connections, along with the 1300 ml tank guaranteeing a long lifetime and with the sound-visual alarm warning when it is time to refill, make the dosing unit unique and easy to install.

The ergonomic shape and the adjustable connections make installation fast and easy even in small spaces.

Each pack includes a Zerocal DOSE refill.

Material for pump and tank: POM/ PE.

To refill the anti scale product it is not necessary to close water supply; it is enough to unscrew the tank, pour in Zerocal DOSE and place the tank back in.



ITEM	ITEM CODE	UNIT PRICE €	PACK. pcs.	CONN.	MAX PRESS. bar	MIN-MAX FLOW RATE (ΔP = 0,5 bar) m³/h	TANK ml	INTERAXIS cm	DIMENSIONS (LxHxZ) cm
ZEROCAL+ PLANT 3/4"	105.077.10	196,50	2	3/4"-3/4" F	1,5÷6	0,18-0,84	44	5,7	17x22x14,5

Water temperature: 5-30 °C; Ambient temperature: 5-50 °C; Battery: 3V Lithium CR 2032

Dosaphos Plant

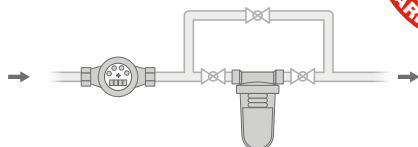
Anti scale and anti corrosion proportional dosing units for water systems with powdered refill

DOSAPHOS 600 Plant and 700 Plant are anti scale and anti corrosion dosing units for water systems, storage water heaters and large heat exchangers. The operation is based on the automatic and proportional dosing of the Gelpfos product, with chelating and sequestering action, able to:

- prevent calcium carbonate deposits (no scale)
- form a protection film on the internal surface of pipes (no corrosion).

Each pack includes a Gelpfos P 500 g refill.

Material: head in brass, housing in SAN.



ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MAX PRESS.	FLOW RATE (ΔP = 0,5 bar)	MAX DOSAGE	AVERAGE LIFETIME	USE	DIMENS. (LxH)
		€	pcs.		bar	m³/h	mg/l	m³		cm
DOSAPHOS 600 PLANT	105.070.10	—	1	3/4" - 3/4" F	10	5,8	4 ppm	120	tec/pot	11x23
DOSAPHOS 700 PLANT	105.070.00	—	1	1" - 1" F	10	5,8	4 ppm	120	tec/pot	13x23
DOSAPHOS 800 PLANT	105.070.05	—	1	1" ¼ - 1" ¼ F	10	5,8	4 ppm	120	tec/pot	21,5x23

Water temperature: 5-30 °C; Ambient temperature: 5-50 °C

Zerocal+ Dose

Anti scale liquid for Zerocal+. Ready to use

Ready-to-use liquid product, formulated with food grade raw materials for the anti scale treatment of boilers, heat exchangers and water systems. Regular dosing of Zerocal+ DOSE allows a 15-20% energy saving in time and a longer average lifetime of heat exchangers and water household appliances.

Can be used with Zerocal+ PRO, Mini, Maxi, Plant and compatible models.



ITEM	ITEM CODE	UNIT PRICE	TANK	AVERAGE LIFETIME	PACK.	USE
		€		m³	pcs.	
ZEROCAL+ DOSE	107.019.40	—	250 g	11	12 da 4 pz/cad	pot
ZEROCAL+ DOSE	107.019.25	—	1 kg	44	6	pot
ZEROCAL+ DOSE	107.019.30	—	5 kg	220	1	pot

Gelpfos Rapid

Anti scale powder for Dosaphos. Ready to use

Ready-to-use product in stick, formulated with food grade raw materials for the anti scale treatment of boilers, heat exchangers and water systems. Regular dosing of Gelpfos Rapid allows a 15-20% energy saving in time and a longer average lifetime of heat exchangers and water household appliances. To be used with dosing units Dosaphos 200, 250 and Dima.

Can be used with Dosaphos 200, 250, DIMA and compatible models.



ITEM	ITEM CODE	UNIT PRICE	AVERAGE LIFETIME	PACK. CONTENTS	PCS. PER PACK	USE
		€	m³		pcs.	
GELPHOS RAPID	107.011.60	—	12÷15	8 stick refills	6	tec/pot

Gelphos P

Powder anti-limescale product for mixing.
For Dosaphos Plant.

Powdered product for mixing, **formulated with food grade raw materials** for anti-scale treatment on boilers and heat exchangers. Over time, regular dosing of Gelphos P or P10 results in energy savings of between 15 and 20 % and an extension of the average life of heat exchangers and appliances.

Suitable for use with Dosaphos PLANT and compatible models.



ARTICLE	CODE	PRICE	CANISTER	PACK.	HOW TO USE
		€/each	kg	pieces	
GELPHOS P	107.010.50	–	1	12	tec/pot
GELPHOS P 10	107.010.30	–	10	1	tec/pot

Gelphos K

Anti-limescale product in ready-to-use crystals.
Per Dosaphos Plant

Ready-to-use crystal product **formulated with food-grade raw materials** for anti-scale treatment of water systems. Over time, regular dosing of Gelphos K leads to energy savings between 15 and 20% and an extension of the average life of heat exchangers and appliances.

Suitable for use with Dosaphos PLANT and compatible models.



ARTICLE	CODE	PRICE	CANISTER	PACK.	HOW TO USE
		€/each	kg	pieces	
GELPHOS K	107.030.50	–	1,5	20	tec/pot

Gelphos Spheres

Anti-limescale product in ready-to-use spherical shaped crystals.
For Dosaphos Plant

Ready-to-use spherical-shaped crystals **formulated with food-grade raw materials** for anti-scale treatment of water systems. Over time, regular dosing of Gelphos Spheres lead to energy savings between 15 and 20 % and an extension of the average life of heat exchangers and appliances. Its solubility depends on water temperature and flow rate.

Suitable for use with Dosaphos and compatible models.



ARTICLE	CODE	PRICE	CANISTER	PACK.	HOW TO USE
		€/each	kg	pieces	
GELPHOS SPHERES	107.030.80	39,00	1,5	1	tec/pot

Antikal

Magnetic scale reducers for boilers and heat exchangers



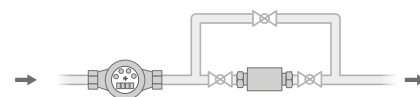
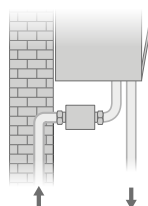
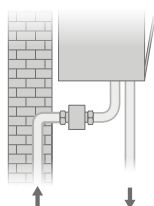
MINI



MEDIUM



MAGNUM



Antikal units are scale reducers with permanent magnets preventing scale deposits on systems. Antikal units are available in three different models:

- Antikal mini, suitable for installation before wall boilers and small heat exchangers.
- Antikal medium, suitable for installation on boilers, water heaters, washing machines and dishwashers.
- Antikal magnum, suitable for installation before water systems, storage water heaters and large heat exchangers.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MAX PRESSURE	FLOW RATE ($\Delta P = 0,2$ bar)	MAX MAGNETIC INDUCTION	DIMENSIONS ($\varnothing \times Z$)
		€	pcs.	F	bar	l/h	Gauss	mm
ANTIKAL MINI	125.010.00	—	12	1/2" - 1/2"	10	2500	1900	42x57
ANTIKAL MEDIUM	125.020.00	—	12	3/4" - 3/4"	10	2500	1950	42x81
ANTIKAL MAGNUM	125.030.00	—	6	1" - 1"	10	7600	2400	55x118,5

Water temperature: 5-90 °C; Ambient temperature: 5-50 °C

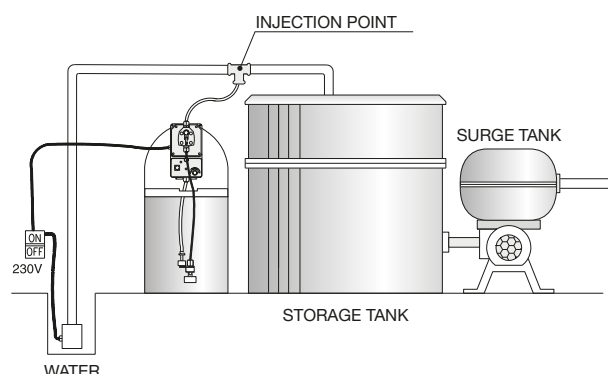
Spare parts and accessories for dosing units



ARTICOLO	CODICE	PREZZO €/cad.	CONF. pezzi	USO
SMALL WRENCH	450.950.40	—	1	For DOSAPHOS 200/250/DIMA
BIG WRENCH	125.210.50	—	1	For DOSAPHOS 700
HOUSING WITH OR FOR DOSAPHOS 200-250-DIMA	600.071.55	—	1	For DOSAPHOS 200/250/DIMA
OR FOR HOUSING DOSAPHOS 200-250-DIMA	453.400.70	—	1	For DOSAPHOS 200/250/DIMA
BELLOWS FOR DOSAPHOS 200-250-DIMA	455.100.10	—	1	For DOSAPHOS 200/250/DIMA
HOUSING FOR DOSAPHOS 600	600.071.16	—	1	For DOSAPHOS 600
HOUSING FOR DOSAPHOS 700	600.071.22	—	1	For DOSAPHOS 700
BLOWER	455.100.20	—	1	For DOSAPHOS 600/700/800
DIMA CONNECTIONS 1/2"	500.010.65	—	1	For ZEROCAL PRO DIMA/ZEROCAL SENSOR DIMA
DIMA L VERTICAL CONNECTIONS 1/2"	500.010.74	—	1	For ZEROCAL PRO DIMA/ZEROCAL SENSOR DIMA
DIMA DUAL CONNECTIONS 1/2"	500.010.95	—	1	For ZEROCAL PRO DIMA/ZEROCAL SENSOR DIMA
DIMA BRASS CONNECTIONS 1/2"	500.010.79	—	1	For ZEROCAL PRO DIMA/ZEROCAL SENSOR DIMA
DIMA BRASS CONNECTIONS 3/4"	500.010.78	—	1	For ZEROCAL PRO DIMA/ZEROCAL SENSOR DIMA
O-RING	453.401.65	—	1	For DOSAPHOS 600
O-RING	453.400.90	—	1	For DOSAPHOS 700/800

Dosamatic PC / PCse / PCS / PCSse

Analog constant metering pumps



EXAMPLE OF DISINFECTING CONSTANT DOSING.
FOR OTHER KINDS OF DOSING REMOVE STORAGE TANK.

Analog constant metering pumps are fitted with:

- foot filter
- suction and delivery connections
- injection connection
- suction and delivery hoses
- level probe (for PCS models only)

The SE version is assembled on a 100 l. tank.

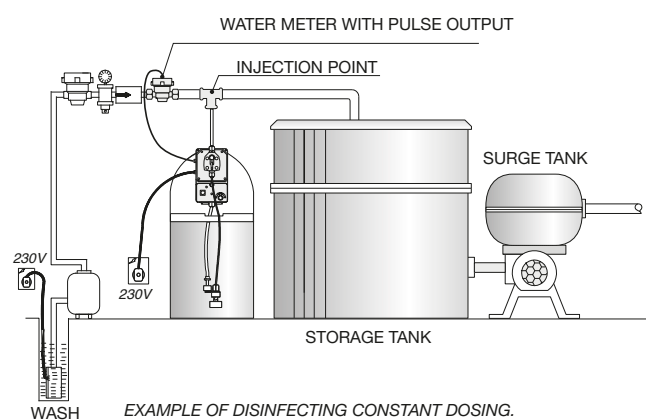
DOSAMATIC PC and PCS constant metering pumps are suitable for treating water with a flow rate which is constant in time. They can also be installed in parallel to booster pumps (with surge tanks use DOSAMATIC PPI). Dosage can be adjusted from 0 to 100% of the maximum flow rate of the pump. Pumps can be used for disinfection, anti scale and anti corrosion treatments, conditioning for potable and technical use.

ITEM	ITEM CODE	UNIT PRICE	DOSAGE						ELECTR. ABSORP.	DIMENS. (LxHxZ)/(ØxH)
			INJECTION CONNECTION	FLOW RATE	MAX PRESSURE	SINGLE INJECTION	MAX SUCTION HEIGHT	DEGREE OF PROTECT.		
		€		l/h	bar	cc	m	IP	W	cm
WITHOUT TANK AND WITHOUT LEVEL PROBE										
DOSAMATIC PC	106.110.10	–	3/8" - 1/2"M	4	10	0,37	1,5	65	16	10,7x21x12,5
WITHOUT TANK AND WITH LEVEL PROBE										
DOSAMATIC PCS	106.130.10	–	3/8" - 1/2" M	4	10	0,37	1,5	65	16	10,7x21x12,5
WITH 100 L. TANK AND WITHOUT LEVEL PROBE										
DOSAMATIC PC/SE	106.110.1S	–	3/8" - 1/2"M	4	10	0,37	1,5	65	16	44X101
WITH 100 L. TANK AND LEVEL PROBE										
DOSAMATIC PCS/SE	106.130.1S	–	3/8" - 1/2" M	4	10	0,37	1,5	65	16	44X101

Additive temperature: 5-50 °C; Ambient temperature: 5-40 °C; Voltage: 230V-50Hz.

Dosamatic PP / PPse / PPI / PPIse

Digital constant-proportional metering pumps



PPI



DOSING

DOSAMATIC PP and PPI metering pumps, with constant and/or constant/proportional dosing, are able to dose the chemical according to the water flow thanks to the water meter with pulse output (standard in PPI model and accessory for PP model). Dosage can be adjusted in the different modes below:

Constant	Divide	Multiply	PPM	Batch	Volt	mA
Pump doses with constant frequency according to the values set during programming.	The pulses given by a meter connected to the pump are divided by the value set during programming.	The pulses given by a meter connected to the pump are multiplied by the value set during programming.	The pulses given by a meter connected to the pump determine the dosage according to the value of mg/l set.	The pulse given by an external contact starts the dosing. Pump can be programmed to dose a specific quantity.	The voltage supplied to the pump determines the proportional dosing according to the "min" and "max" values set during programming.	The power supplied to the pump determines the proportional dosing according to the "min" and "max" values set during programming.

The metering pumps are fitted with: foot filter, suction and delivery connections, injection connection, suction (1,5 m) and delivery (1m) hoses, level probe, water meter with pulse output (for PPI models only) 2,5 m; the SE version is assembled on a 100 l. tank.

ITEM	ITEM CODE	UNIT PRICE	DOSAGE						WATER METER				ELECTRIC. ABSORP.	DIMENS. (LxHxZ)/(ØxH)
			INJECTION CONNECTION	FLOW RATE	MAX PRESS.	SINGLE INJECT.	MAX SUCTION HEIGHT	DEGREE OF PROT.	CONN.	MAX PRESS.	MAX FLOW RATE	RATIO PULSES/LITRES		
		€		l/h	bar	cc	m	IP		bar	m³/h		W	cm

WITHOUT TANK, WITHOUT WATER METER PO, WITH LEVEL PROBE

DOSAMATIC PP	106.191.X5	—	3/8"-1/2"M	4	10	0,37	1,5	65	-	-	-	-	16	10,7x21x12,5
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WITHOUT TANK, WITH LEVEL PROBE AND WATER METER PO

DOSAMATIC PPI 1/2"	106.191.15	—	3/8"-1/2"M	4	10	0,37	1,5	65	1/2"	16	3	4/1	16	10,7x21x12,5
DOSAMATIC PPI 3/4"	106.191.25	—	3/8"-1/2"M	4	10	0,37	1,5	65	3/4"	16	5	4/1	16	10,7x21x12,5
DOSAMATIC PPI 1"	106.191.35	—	3/8"-1/2"M	4	10	0,37	1,5	65	1"	16	7	4/1	16	10,7x21x12,5
DOSAMATIC PPI 1 1/4"	106.191.45	—	3/8"-1/2"M	4	10	0,37	1,5	65	1 1/4"	16	10	4/1	16	10,7x21x12,5
DOSAMATIC PPI 1 1/2"	106.191.55	—	3/8"-1/2"M	4	10	0,37	1,5	65	1 1/2"	16	20	4/1	16	10,7x21x12,5
DOSAMATIC PPI 2"	106.191.65	—	3/8"-1/2"M	4	10	0,37	1,5	65	2"	16	30	4/1	16	10,7x21x12,5

WITH 100 L. TANK AND LEVEL PROBE, WITHOUT WATER METER PO

DOSAMATIC PP/SE	106.191.XS	—	3/8"-1/2"M	4	10	0,37	1,5	65	-	-	-	-	16	44X101
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WITH 100 L. TANK, LEVEL PROBE AND WATER METER PO

DOSAMATIC PPI/SE 1/2"	106.191.1S	—	3/8"-1/2"M	4	10	0,37	1,5	65	1/2"	16	3	4/1	16	44X101
DOSAMATIC PPI/SE 3/4"	106.191.2S	—	3/8"-1/2"M	4	10	0,37	1,5	65	3/4"	16	5	4/1	16	44X101
DOSAMATIC PPI/SE 1"	106.191.3S	—	3/8"-1/2"M	4	10	0,37	1,5	65	1"	16	7	4/1	16	44X101
DOSAMATIC PPI/SE 1 1/4"	106.191.4S	—	3/8"-1/2"M	4	10	0,37	1,5	65	1 1/4"	16	10	4/1	16	44X101
DOSAMATIC PPI/SE 1 1/2"	106.191.5S	—	3/8"-1/2"M	4	10	0,37	1,5	65	1 1/2"	16	20	4/1	16	44X101
DOSAMATIC PPI/SE 2"	106.191.6S	—	3/8"-1/2"M	4	10	0,37	1,5	65	2"	16	30	4/1	16	44X101

Additive temperature: 5-50 °C; Ambient temperature: 5-40 °C; Voltage: 230V-50Hz.

Dosamatic PP PLUS / PP PLUS A

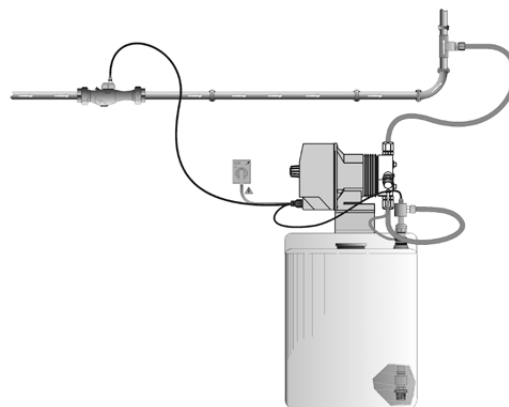
Digital constant-proportional metering pumps,
horizontal mounting



PP PLUS



PP PLUS A



The metering pumps are fitted with:

- Foot filter
- Suction and delivery connections
- Injection connection
- Suction (1,5 m) and delivery hoses (1m)
- Level probe
- Flow sensor
- Stand by input
- Alarm exit
- Manual (PP PLUS) or automatic bleeding (PP PLUS A)

DOSAMATIC PP PLUS and PP PLUS A metering pumps, with constant and/or constant/proportional dosing, are able to dose the chemical according to the water flow thanks to the water meter with pulse output (accessory).

Dosage can be adjusted in the different modes below:

Constant Pump doses with constant frequency according to the values set during programming.

Divide The pulses given by a meter connected to the pump are divided by the value set during programming.

Multiply The pulses given by a meter connected to the pump are multiplied by the value set during programming.

PPM The pulses given by a meter connected to the pump determine the dosage according to the value of mg/l set.

Batch The pulse given by an external contact starts the dosing. Pump can be programmed to dose a specific quantity.

Volt The voltage supplied to the pump determines the proportional dosing according to the "min" and "max" values set during programming.

mA The power supplied to the pump determines the proportional dosing according to the "min" and "max" values set during programming.

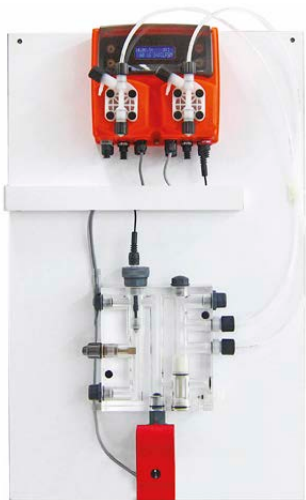
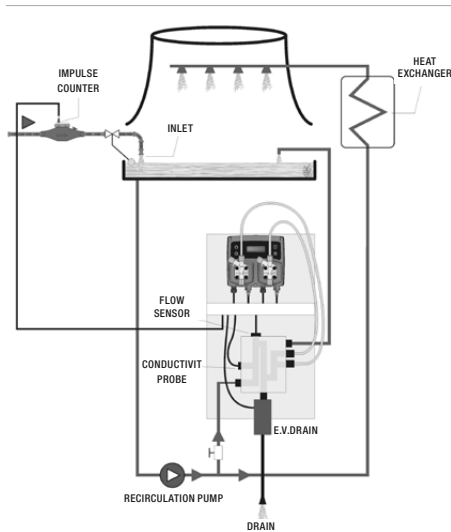
For the Dosamatic PP PLUS A, the Flow Sensor accessory (451.416.49) is required. Furthermore, the PP PLUS A are specific for the dosage of oxidizing products such as Oxygel (page 99) and Gelclor (page 98).

ITEM	ITEM CODE	UNIT PRICE	DOSAGE						ELECTRIC. ABSORP.	DIMENS. (LxHxZ)/(ØxH)
			INJECTION CONNECTION	FLOW RATE	MAX PRESS.	SINGLE INJECT.	MAX SUCTION HEIGHT	DEGREE OF PROT.		
		€/cad.		l/h	bar	cc	m	IP	W	cm
DOSAMATIC PP PLUS	106.040.45	–	3/8"-1/2"M	8	8	0,74	1,5	65	19	9,6x15,8x22,2
DOSAMATIC PP PLUS A	106.040.46	–	3/8"-1/2"M	3,5	10	0,32	1,5	65	19	9,6x15,8x22,2

Additive temperature: 5-50 °C; Ambient temperature: 5-40 °C; Voltage: 230V-50Hz.

Dosatower

Dosing and control station for cooling towers



Dosatower is a specific pre-assembled panel for the treatment of evaporative towers. Fitted with:

- Dosing pump for dosing the Poly Ice inhibitor on the make-up water by an impulse counter (accessory)
- Dosing pump with timer for the dosage of Gelicid biocide
- Electrode holder with conductivity probe and inputs for the injection of chemicals
- Input for pulse launcher counter (accessory)
- 500x800 mm panel

ITEM	ITEM CODE	UNIT PRICE	DOSAGE						ELECTRIC. ABSORP.	DIMENS. (LxHxZ)/(ØxH)
			INJECTION CONNECTION	FLOW RATE	MAX PRESS.	SINGLE INJECT.	MAX SUCTION HEIGHT	DEGREE OF PROT.		
		€/cad.		l/h	bar	cc	m	IP	W	cm
DOSATOWER	155.014.10	—	3/8"-1/2"M	10	5	0,93	1,5	65	32	50x80

Additive temperature: 5-50 °C; Ambient temperature: 5-40 °C; Voltage: 230V-50Hz

Spare parts and accessories for metering pumps

ITEM	ITEM CODE	UNIT PRICE	CONNECT.	RATIO PULSES/LITRES	DESCRIPTION
		€			

WATER METERS WITH PULSE OUTPUT

WATER METER PO 1/2"	106.090.00	—	1/2"	4 = 1	Water meter with pulse output - brass body. Accessory suitable for metering pumps: DOSAMATIC PP - DOSAMATIC PP/SE DOSAMATIC PP PLUS - DOSAMATIC PP PLUS A DOSATOWER
WATER METER PO 3/4"	106.090.10	—	3/4"	4 = 1	
WATER METER PO 1"	106.090.20	—	1"	4 = 1	
WATER METER PO 1" 1/4	106.090.30	—	1" 1/4	4 = 1	
WATER METER PO 1" 1/2	106.090.40	—	1" 1/2	4 = 1	
WATER METER PO 2"	106.090.50	—	2"	4 = 1	

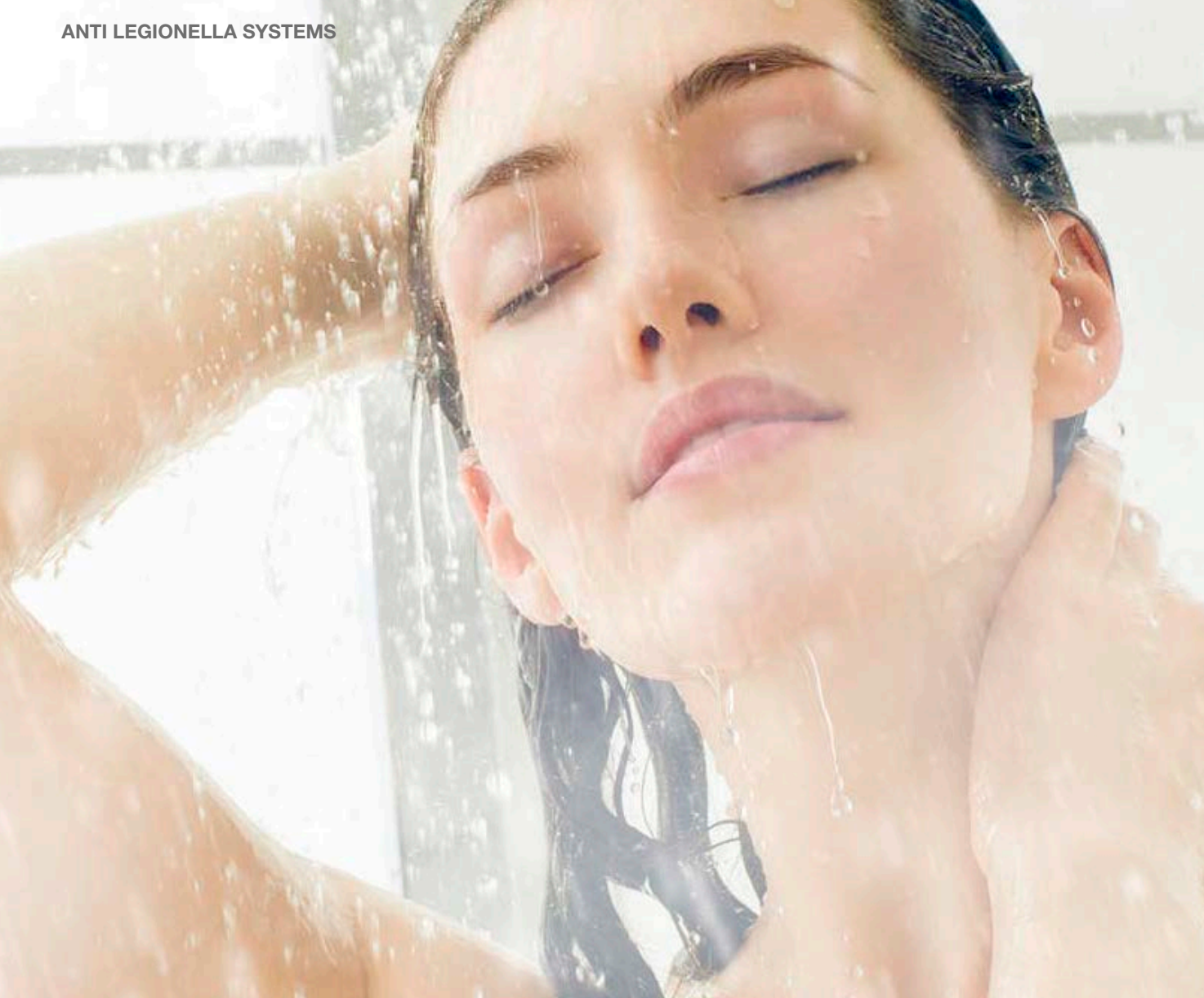
FLANGED WATER METERS WITH PULSE OUTPUT

WATER METER LI DN 65	106.090.60	—	DN65	4 = 100	Flanged water meter with pulse output - brass body. (Max 30 °C). Accessory suitable for metering pumps: DOSAMATIC PP - DOSAMATIC PP/SE DOSAMATIC PP PLUS - DOSAMATIC PP PLUS A DOSATOWER
WATER METER LI DN 80	106.090.75	—	DN80	4 = 100	
WATER METER LI DN 100	106.090.80	—	DN100	4 = 100	
WATER METER LI DN 150	106.090.90	—	DN150	4 = 100	
SIGNAL SPLITTER	106.090.95	—	-	-	Allows for the operation of two proportional metering pumps with one single water meter LI

ITEM	ITEM CODE	UNIT PRICE	TANK CAPACITY	MATERIAL	DIMENSIONS (ØXH)	DESCRIPTION
		€	l		cm	
TANK 100	455.000.80	—	100	PE	44x125	For PP PLUS / PP PLUS A
TANK 100	455.001.01	—	100	PE	44x125	
TANK 200	455.000.75	—	200	PE	60x104	
TANK 500	455.000.78	—	500	PE	76x118,5	
FLOW HOSE 4X6	455.761.14	—	-	PVDF	-	
FLOW HOSE 4X6	455.761.00	—	-	EM	-	
SUCTION HOSE 4X6	455.761.10	—	-	PE	-	
INJECTION VALVE 4X6	456.350.00	—	-	PVDF-V	-	
1/2" INJECTION NOZZLE	452.850.16	—	-	PVDF-PVC	-	
SUCTION NOZZLE FOR TANK	500.050.62	—	-	PVC	-	
KIT O-RING POLYAMINES*	600.390.30	—	-	-	-	
WALL MOUNT BRACKET	455.300.83	—	-	-	-	For PP PLUS / PP PLUS A
TANK MOUNT BRACKET	455.300.86	—	-	-	-	For PP PLUS / PP PLUS A
FLOW SENSOR + BRACKET	451.416.49	—	-	-	-	For PP PLUS / PP PLUS A
SHIRT FOR TANK 100	455.400.52	—	150	PE	51x75	For DOSATOWER
SAFETY TANK FOR TANK OF 5, 20, 25 LITERS	455.400.58	—	32	ABS		For DOSATOWER

* necessary with the POLY AP product (see page 96)

You can find the chemicals for metering pumps on page 98



Anti legionella



Anti legionella systems

Dosasan / Dosaclor / Dosaclor Duo

60

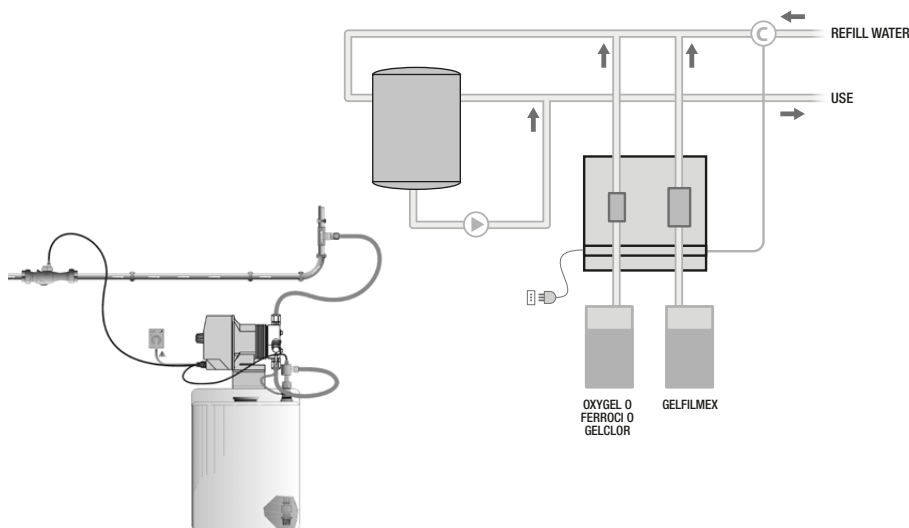
Dosasan

Proportional anti-legionella dosing station

D.LGS N. 18/2023



DOSASAN



DOSASAN MONO

DOSASAN is an anti legionella system for the proportional dosing of a disinfectant (Oxygel or Ferrocid or Biclor or Gelclor) and of the anti corrosion product Gelfimex, in installations with sanitary hot water storage. Suitable to prevent the risk of legionella.

DOSASAN is supplied assembled on a panel, ready for installation, and includes:

- Panel 40 x 60 cm
- Proportional metering pump for dosing anti corrosion conditioning chemicals
- Self degassing proportional metering pump for dosing disinfectants (with high surface tension)
- Signal splitter to control the two metering pumps
- Flow sensor on the disinfecting line
- Suction nozzle with level probe on the disinfecting line
- Level probes
- 25 l. empty can to decant disinfectants
- Complete KIT in **PVDF** with suction, delivery and drain hoses, injection connections and foot filter.

DOSASAN MONO is a pre-assembled proportional anti-legionella dosing system, comprising digital, constant-proportional dosing pump, horizontally mounted, digital dosing pump with automatic bleeding; 50-litre tank; safety liner; flow sensor.

ITEM	ITEM CODE	UNIT PRICE	INJECTION CONNECTIONS	DOSAGE		PRESSURE	MAX PULSE FREQUENCY	VOLTAGE	DIMENS. (LxH) cm
				DISINFECTION PROPORTIONAL l/h	ANTI CORROSION PROPORTIONAL l/h				
		€				bar		V	
DOSASAN MONO	155.014.30	–	3/8" - 1/2" M	2	-	10	180	230	42x65
DOSASAN	155.014.00	–	3/8" - 1/2" M	2	4	10	180	230	40x60

P.S. Choose the water meter with pulse output suitable for the application.

Guide to choice of anti legionella systems*

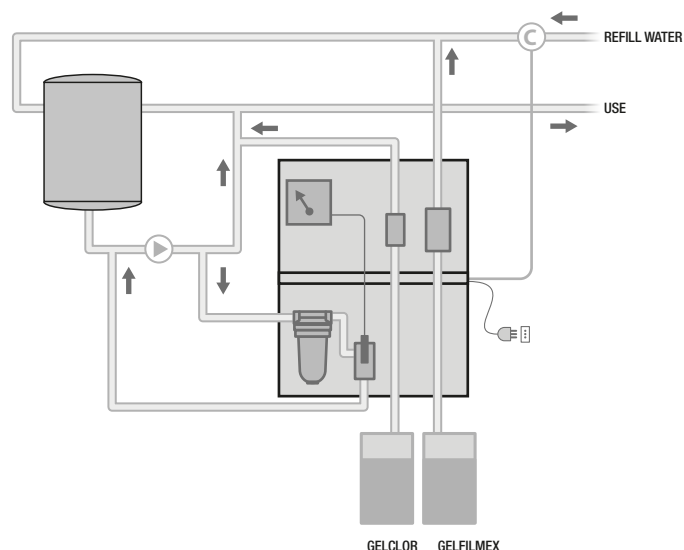
SANITARY HOT WATER TANKS	≤ 5000 litres	≥ 5000 litres
TYPE OF TREATMENT		
prevention and sanitisation	DOSASAN / DOSASAN MONO	-
prevention and sanitisation with automatic control and dosing of the disinfectant	DOSAOLOR / DOSAOLOR REDOX	DOSAOLOR DUO

* Contact the technical department to choose the appropriate product.

Dosaclor

Proportional anti-legionella dosing station,
with residual chlorine control

D.LGS N. 18/2023



DOSACLOR



DOSACLOR REDOX

DOSACLOR is an anti legionella system for the control and proportional dosing of Gelclor disinfectant and Gelfilmex anti corrosion product, in installations with sanitary hot water storage. Suitable in presence of legionella to avoid bacterium development and growth.

DOSACLOR is supplied assembled on a panel, ready for installation, and includes:

- Panel 80 x 100 cm
- Proportional metering pump for dosing anti corrosion conditioning chemicals
- Self degassing proportional metering pump for dosing Gelclor (with high surface tension)
- Hot water filter
- Digital instrument for chlorine measurement and regulation (**Redox version**: digital instrument for the measurement and regulation of Redox potential with temperature reading)
- Amperometric cell and cell holder (**Redox version**: Redox probe and probe holder)
- Flow sensor on the disinfecting line
- Suction nozzle with level probe on the disinfecting line
- Level probes
- 25 l. empty can to decant disinfectants
- Complete kit in **PVDF** with suction, delivery and drain hoses, injection connections and foot filter.

ITEM	ITEM CODE	UNIT PRICE	INJECTION CONNECTIONS	DOSAGE		PRESSURE	METER	MAX PULSE FREQUENCY	VOLTAGE	DIMENS. (LxH)
				DISINFECTION PROPORTIONAL	ANTI CORROSION PROPORTIONAL					
		€		l/h	l/h	bar			V	cm
DOSACLOR REDOX	155.013.60	—	3/8" - 1/2"	4	4	10	redox	180	230	80x100
DOSACLOR	155.013.50	—	3/8" - 1/2" M	2	4	10	cloro	180	230	80x100

P.S. Choose the water meter with pulse output suitable for the application.

Guide to choice of anti legionella systems*

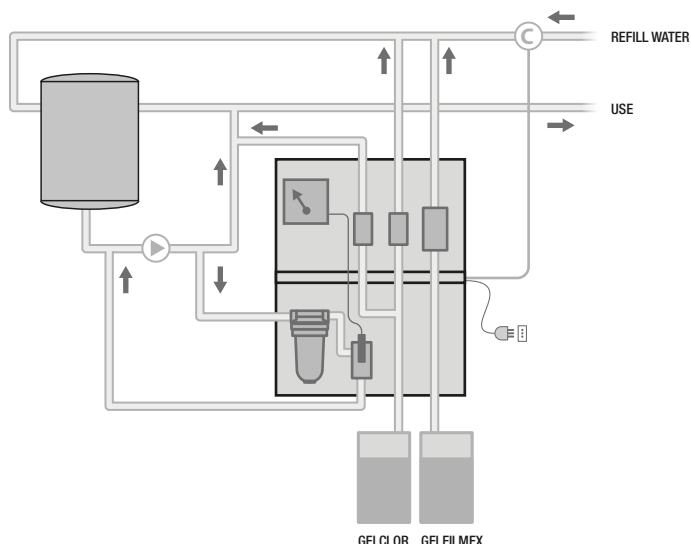
SANITARY HOT WATER TANKS	≤ 5000 litres	≥ 5000 litres
TYPE OF TREATMENT		
prevention and sanitisation	DOSASAN	-
prevention and sanitisation with automatic control and dosing of the disinfectant	DOSACLOR / DOSACLORC REDOX	DOSACLOR DUO

* Contact the technical department to choose the appropriate product.

Dosaclor Duo

Proportional dosing station, with residual chlorine control

D.LGS N. 18/2023



DOSACLOR DUO is an anti legionella system for the control and proportional dosing of Gelclor disinfectant and Gelfilmex anti corrosion product, in installations with sanitary hot water storage. Suitable in presence of legionella to avoid bacterium development and growth.

DOSACLOR DUO is supplied assembled on a panel, ready for installation, and includes:

- Panel 80 x 100 cm
- Proportional metering pump for dosing anti corrosion conditioning chemicals
- Self degassing proportional metering pump for dosing Gelclor (with high surface tension)
- Hot water filter
- Digital instrument for chlorine measurement and regulation
- Amperometric cell and cell holder
- Flow sensor on the disinfecting line
- Suction nozzle with level probe on the disinfecting line
- Level probes
- 25 l. empty can to decant disinfectants
- Kit complete in **PVDF**, with suction, delivery and drain hoses, injection connections and foot filter
- Signal splitter
- two dosing points of Gelclor, optimising the disinfectant level in the storage tank.

ITEM	ITEM CODE	PRICE	INJECTION CONNECTIONS	1° DISINFECTION INSTRUMENTAL	DOSAGE 2° DISINFECTION PROPORTIONAL	ANTI CORROSION PROPORTIONAL	PRESS.	METER	MAX PULSE FREQ.	VOLT.	DIMENS. (LxH)
		€		l/h	l/h	l/h	bar			V	cm
DOSACLOR DUO	155.013.40	—	3/8" - 1/2"M	2	2	4	10	cloro	180	230	80x100

P.S. Choose the water meter with pulse output suitable for the application.

Guide to choice of anti legionella systems*

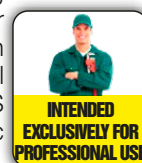
SANITARY HOT WATER TANKS	≤ 5000 litres	≥ 5000 litres
TYPE OF TREATMENT		
prevention and sanitisation	DOSASAN	-
prevention and sanitisation with automatic control and dosing of the disinfectant	DOSACLOR	DOSACLOR DUO

* Contact the technical department to choose the appropriate product.

Ferrocid® 5280-S

Biocide, anti-scale and anticorrosive
for anti-legionella stations with Dosamatic pump

Multi-purpose easy-to-use liquid product formulated for ensuring complete control of drinking and sanitary water. Ferrocid 5280-S exerts its primary action as a sanitiser and sanitising agent against the accumulation of organic material (bacterial secretions and biofilms) in water transport and containment systems. The product has also proven effective in the prevention and removal of material due to colonisation by Legionella. The product also protects metal equipment in contact with water against corrosion and limescale formation. Ferrocid 5280-S is prepared from raw materials according to EN CEN/TC 164. To be used with Dosamatic proportional dosing pump.



ARTICLE	CODE	PRICE €/each	CANISTER Kg	PACKAGING pieces	SPECIFIC WEIGHT Kg/dm³	pH
FERROCID	107.031.30	–	20	1	1,14÷1,2	10,5÷12

Gelclor

Sodium hypochlorite disinfectant for
Dosasan, Dosaclor and Dosaclor Duo

Ready-to-use sodium hypochlorite-based liquid product for disinfecting water in civil and industrial water systems. To be used with Dosamatic PP proportional dosing pumps.

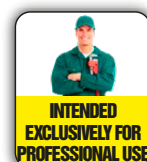


ARTICLE	CODE	PRICE €/each	CANISTER Kg	PACKAGING pieces	SPECIFIC WEIGHT Kg/dm³	ACTIVE CHLORINE CONCENTRATION %	RESIDUAL CHLORINE CONCENTRATION ppm
GELCLOR	107.035.02	–	25	1	1,22	>10	0,2-0,4

Oxygel

Oxidising agent based on hydrogen peroxide and
silver salts for Dosasan

Oxygel is a disinfectant based on hydrogen peroxide and silver salts. It is used to mitigate Legionella because the combined action of hydrogen peroxide and silver salts generates broad-spectrum disinfectant activity, with positive outcome of laboratory test prEN 13623 (chemical disinfectants and antiseptics. Bactericidal activity of the Anti-Legionella spp. product).



ARTICLE	CODE	PRICE €/each	CANISTER Kg	PACKAGING pieces	CONCENTRATION OF ACTIVE HYDROGEN PEROXIDE %
OXYGEL 5	107.035.80	–	5	1	48-50
OXYGEL 20	107.035.85	–	20	1	48-50

Gelfilmex

Anticorrosive agent for Dosasan, Dosaclor, Dosaclor Duo

Gelfilmex is an anti-corrosive liquid that can be used in plumbing, drinking water and general-purpose installations. The product forms a protective film that prevents direct contact between water and pipe metal.



ARTICLE	CODE	PRICE €/each	CANISTER Kg	PACKAGING pieces	SPECIFIC WEIGHT Kg/dm³	pH
GELFILMEX	107.011.42	–	25	1	1,05	≈8,5

Gel Peracetic

Strong sanitiser based on peracetic acid

Concentrated liquid product based on peracetic acid, to remove organic and inorganic deposits in civil and industrial water systems. Specific for disinfecting hot water cisterns and storage tanks. Able to remove scale and deposits of organic nature (biofilm). Suitable for restoring systems with Legionella problems.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	PH
		€	Kg	pcs.	Kg/dm ³		
GELPERACETIC	110.100.60	—	25	1	1,15	<2	1l + 15l acqua

Spare parts and accessories for anti legionella systems

ITEM	ITEM CODE	UNIT PRICE	TANK CAPACITY	MATERIAL	DIMENS. (ØXH)
		€	l		cm
TANK PE 100	455.000.80	—	100	PE	44x125
BUND TANK FOR TANK PE 100	455.400.52	—	150	PE	51x75
SUCTION NOZZLE FOR TANK 100	452.850.02	—	-	-	(L) 75
SAFETY BOWL FOR 5, 20, 25 L. CANS	455.400.58	—	32	ABS	
OXYGEL TEST KIT	155.015.67	—	-	-	-
CHLORINE KIT	471.000.30	—	-	-	-
CHLORINE DIOXIDE TEST KIT	471.001.24	—	-	-	-
SHOCK CHLORINATION STRIPS KIT 100 STRIPS	155.015.25	—	-	-	-
FREE CHLORINE METER	155.011.26	—	-	-	-
FREE CHLORINE REAGENT KIT	155.011.43	—	-	-	-
SUCTION LANCE FOR TANK	500.050.62	—	-	-	-

ITEM	ITEM CODE	UNIT PRICE	CONN.	WHEELBASE	FLOW RATE MAX	RATIO PULSES/LITRES	DESCRIPTION
		€/cad.		mm	l/min		

WATER METERS WITH PULSE OUTPUT

WATER METER LI 1/2"	106.090.00	—	1/2"	190	50,0	4 = 1	Water meter with pulse output - brass body.
WATER METER LI 3/4"	106.090.10	—	3/4"	228	83,3	4 = 1	
WATER METER LI 1"	106.090.20	—	1"	260	116,6	4 = 1	
WATER METER LI 1" 1/4	106.090.30	—	1" 1/4	280	166,6	4 = 1	
WATER METER LI 1" 1/2	106.090.40	—	1" 1/2	340	333,3	4 = 1	
WATER METER LI 2"	106.090.50	—	2"	416	500,0	4 = 1	

FLANGED WATER METERS WITH PULSE OUTPUT

WATER METER LI DN 65	106.090.60	—	DN65	200	1312,5	4 = 100	Flanged water meter with pulse output - brass body.
WATER METER LI DN 80	106.090.75	—	DN80	230	2083,3	4 = 100	
WATER METER LI DN 100	106.090.80	—	DN100	250	3333,3	4 = 100	
WATER METER LI DN 150	106.090.90	—	DN150	300	5208,3	4 = 100	



RO and UV sterilizers



Undercounter water purifiers

AcquaClick 4.0 - 4.0 UV / Acquababy / Gelpur Easy Carbon

66



RO systems

Gelpur OS

69



UV sterilizers

Gelpur Light

71

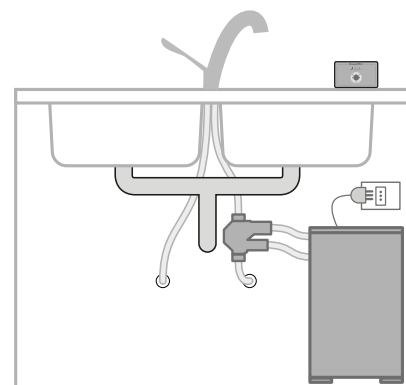
AcquaClick 4.0 - 4.0 UV

Reverse osmosis under-sink refiner with UV lamp.

The only one with a remote control that avoids double taps



- **WATER EXPRESSED IN KM Ø**
- **WITH WIFI**
- **WITH GERMICIDAL UV LAMP**
- **THE ONLY ONE WITH A REMOTE CONTROL**
- **EASY-TO-CHANGE CARTRIDGE THAT CAN BE CHANGED BY THE CLIENT WITHOUT ASSISTANCE**
- **TO BE INSTALLED UNDER-SINK IN JUST A FEW MINUTES**



The reverse osmosis home water making machine with direct production can improve the quality of tap water, making it excellent for drinking and cooking.

The remote control makes it possible to supply refined water **directly from the existing tap**, there is no need to install an additional tap or a 3-way tap.

Thanks to the Wi-Fi module, the machine's operating status can be monitored via the Gel Pocket Water app, available for Android and iOS.

The **No-drop system** makes it extremely easy for the customer to replace the cartridges: no water stopcock has to be closed during replacement and no tools are required.

As easy as replacing a light bulb.

The UV version, equipped with a UV germicidal lamp, performs an effective bactericidal action.

AcquaClick 4.0 - 4.0 UV

The home water maker

- **Cost-effective** eliminates the purchase of bottled mineral water
- **Convenient** no more heavy water bottle transport from the supermarket
- **Eco-friendly** reduces plastic bottle production, transport, and waste
- **It is smart because it dispenses excellent water as light as the best zero-mile oligo mineral water with the added safety of the bactericidal action of the UV lamp**



MEMBRANE
CARBON
FILTERER
POST FILTERER
(vers. 4.0 UV)

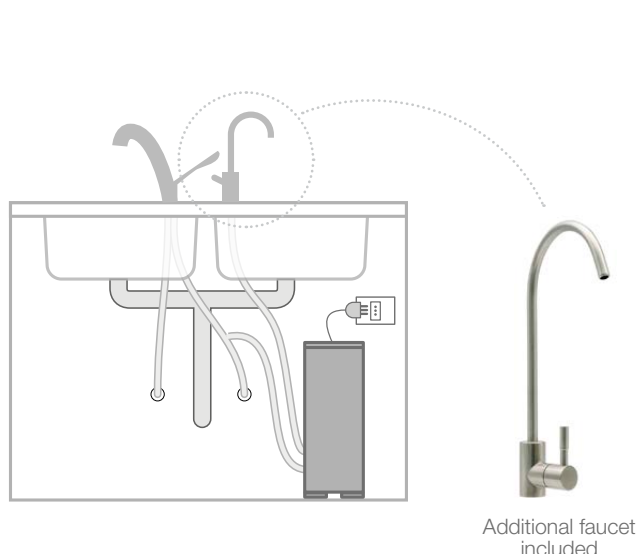
On the top panel, warning lights indicate: Active Wi-Fi; Filter Kit Change (Filter + Carbon); Membrane Kit Change (Membranes + Filter + Carbon); Water Leak Detection; No Water or Insufficient Network Pressure; UV on.

ITEM	ITEM CODE	UNIT PRICE	PRESS.	WATER PRODUCT.*	MAX CONDUCTIVITY IN	POWER SUPPLY	ABSORPTION	DIMENS.	IRRAD.	TEMP. WORK**	DURATA LED
		€/cad.	bar	l/min	µS/cm	V	W	cm	mW	°C	h
ACQUAClick 4.0 UV	102.350.50	—	2÷4	1,5	1500	220 V - 50÷60 Hz	80	23x43x32,5	100	0-60	10.000
ACQUAClick 4.0	102.350.00	—	2÷4	1,5	1500	220 V - 50÷60 Hz	80	23x43x32,5	—	—	—

*depending on the mains temperature and pressure. **referring to the UV lamp.
Water temperature: 5-30 °C; Ambient temperature: 5-50 °C;

Acquababy

Undercounter reverse osmosis water purifier.
Ultra-compact.



NEW

- **WATER EXPRESSED IN KM Ø**
- **SPACE SAVING**
- **EASY-TO-CHANGE CARTRIDGE THAT CAN BE CHANGED BY THE CLIENT WITHOUT ASSISTANCE**
- **TO BE INSTALLED UNDER-SINK IN JUST A FEW MINUTES**

The **home water purification system** with direct production via reverse osmosis, designed to improve tap water quality, making it ideal for drinking and cooking.

The **No-drop system** makes cartridge replacement extremely easy, even for the end user: there's no need to close the water shut-off valve and no tools are required.

As easy as changing a light bulb.

Acquababy notifies you when it's time to replace the filter, the membrane, or when there's a lack of water.

Acquababy – The home water maker

- **Space-saving:** its compact size allows installation in small spaces
- **Convenient:** no more heavy water bottle transport from the supermarket
- **Cost-effective:** eliminates the purchase of bottled mineral water
- **Eco-friendly:** reduces plastic bottle production, transport, and waste
- **It is smart** because it dispenses excellent water as light as the best zero-mile oligo mineral water



- **3-in-1 Filter**
 - 5 µm
 - Pre-carbon
 - Post-carbon

• **MEMBRANE**



Avoid installing a second faucet. Choose the 3-way faucet instead.

450.920.40

ITEM	CODE	PRICE	OPERATING PRESSURE	WATER OUTPUT*	MAX FEED CONDUCTIVITY	POWER SUPPLY	ABSORPTION		DIMENS. (LxHxZ) cm
		€/cad.	bar	l/min	µS/cm		PRODUCTION	STAND-BY	
ACQUABABY	102.370.00	–	2÷4	2	1500	220 V - 50÷60 Hz	120	<1	13x37,6x39,7

*depending on the mains temperature and pressure. Water temperature: 5-30 °C; Ambient temperature: 5-50 °C.

Gelpur Easy

Cartridge water purifier



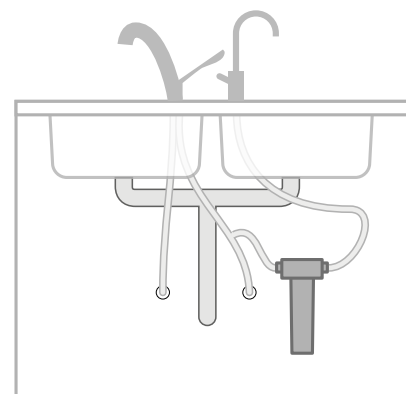
ULTRA



CARBON

NEW


Additional faucet included



Domestic water purifiers (one, two and three stage). Remove solid particles, bad smells and tastes, thus improving water quality and making it excellent for drinking and cooking.

- Gelpur Easy Carbon Basic. Silver-added activated carbon purifier, with bacteriostatic action.
- Gelpur Easy Carbon Ultra. Silver-added activated carbon purifier fitted with 5 µm, pre-filtration and Ultra-filtration.

Each kit includes: Water sampling valve, Head with quick fit connection with built-in check valve, Disposable filter cartridges, Countertop faucet, connection pipes.

ITEM	ITEM CODE	UNIT PRICE	OPERATING FLOW RATE	OPERATING PRESSURE	LIFETIME MAX*	WATER TEMP. MIN/MAX	TEMP. AMB. MIN/MAX	HOSES IN/OUT
		€/cad.	l/min	bar	l	°C	°C	pollici
GELPUR EASY CARBON	101.083.60	–	1,5	5	10000	5-30	5-50	3/8"
GELPUR EASY ULTRA	101.083.80	–	1,5	5	10000	5-30	5-50	3/8"

* Lifetime depends on the inlet water quality. Replace cartridge when level is low and, however, within one year from the installation.

Consumables, Spare parts and accessories for water purifiers

ITEM	ITEM CODE	UNIT PRICE	PACK.	DEGREE OF PROTECTION	CARTRIDGE COLOUR	DESCRIPTION	SUITABLE FOR
		€/cad.	pezzi	µm			
FILTER KIT	102.000.60	–	1	-	-	Kit Sediment + Carbon	Acquaclick 4.0
KIT SEDIMENT-CARBON	102.000.65	–	1	-	-	Kit Sediment + Carbon + RO Membrane	Acquaclick 4.0
FILTER KIT	102.000.70	–	1	-	-	Kit Sediment + Carbon + Post Carbon	Acquaclick 4.0 UV
MEMBRANE+FILTER KIT	102.000.75	–	1	-	-	Kit Sediment + Carbon + Post Carbon + RO Membrane	Acquaclick 4.0 UV
UV SYSTEM	452.307.90	–	1	-	-	UV Lamp	Acquaclick 4.0 UV
SILVER CARBON FILTER CARTRIDGE	450.920.33	–	1	0,5	GREY	Active carbon added with silver	Gelpur Easy Carbon, Ultra
5µm CARTRIDGE	450.920.31	–	1	5	BLUE	PP Cartridge	Gelpur Easy Ultra
UF MEMBRANE CARTRIDGE	450.920.35	–	1	0,1	GREEN	Ultra filtration membrane	Gelpur Easy Ultra
DIGI FLOW	102.307.70	–	1	-	-	Programmable litre counter for filters replacement	
CONDUCTIVITY TESTER	155.010.05	–	1	-	-	From 0 to 1999 µs/cm	
THREE WAY TAP	450.920.40	–	1	-	-	Three way tap for sink: hot water, cold water, treated water	
T AP	450.920.42	–	1	-	-	Tap spare part	Gelpur Easy

* The "No Drop" system is a GEL patent and allows to replace cartridges in just a couple of minutes without wetting or disassembling the unit.

Gelpur OS

Reverse osmosis systems for small civil and industrial uses



The system is controlled by a microprocessor control panel which allows to easily manage operation and service stages. Gelpur OS systems are supplied already assembled on a monobloc unit and tested. They are equipped with:

- Microfiltration
- Activated carbon dechlorination (only for models 2400 P and 4800 P)
- Reverse osmosis filtration
- Stainless steel skid
- Inlet solenoid valve
- Low pressure switch
- Vane volumetric pressurization pump
- Metering pump with level probe for anti scale chemical
- Pressure and flow rate regulation valves
- High permeation surface membranes
- Mixing circuit
- Vessels in PRFV
- Control panel with digital control
- Digital transmitters for permeate and concentrate flow rates
- Microprocessor conductivity meter for permeate and raw water
- Temperature probe for permeate and raw water
- Hour meter
- Totalizator for produced m³

Note: For the correct selection of the flushing kit, please contact the technical department.

ITEM	ITEM CODE	UNIT PRICE	No. CARTRIDGES	FILTRATION GRADE	OPERATING FLOW RATE	PRESS. ESERCIZIO	DAILY PRODUCTION**	RO MEMBR.	MAX SALINITY IN	INSTALLED POWER	POWER SUPPLY	DIMENS. (LxHxZ)
		€/cad.		µm	l/h	bar	l	n.	µS/cm	kW	V	cm
GELPUR OS 2400 P*	102.309.40	—	2	5	100	10÷12	2400	1	1500	0,37	230V 50 Hz	70x98x45
GELPUR OS 4800 P*	102.309.45	—	2	5	200	10÷12	4800	2	1500	0,37	230V 50 Hz	70x98x45
GELPUR OS 6000 LP	102.602.10	—	1	5	250	10÷12	6000	1	6000	0,75	230V 50 Hz	55x95x75
GELPUR OS 10500 LP	102.602.20	—	1	5	450	10÷12	10500	2	6000	0,75	230V 50 Hz	55x95x75

* These models feature activated carbon filtration

** Data refer to water with 1000 mg/l (NaCl) at 20°C

Note: For transport information, please refer to the relevant sales conditions on page 136.

Spare parts and accessories for Gelpur OS

ARTICOLO	CODICE	PREZZO €/cad.
PP 20" CARTRIDGES 5µm	450.858.60	—
20" EXTRUDED CARBON FILTER	450.858.75	—

Gel Antiscalant RO1

Sequestering and dispersing liquid for Gelpur OS

Prodotto liquido ad azione sequestrante e disperdente, per acque che alimentano gli impianti ad osmosi inversa. Da utilizzarsi mediante pompe dosatrici Dosamatic.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DOSAGE
		€	Kg	pcs.	
GEL ANTISCALANT RO1	133.030.00	–	25	1	4-20 ppm

Gel Antiscalant RO2

Sequestering and dispersing liquid for Gelpur OS. Specific for waters with Iron and Silica.

Sequestering and dispersing liquid product for waters containing Iron and Silica which supply reverse osmosis systems. To be used with Dosamatic metering pumps.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DOSAGE
		€	Kg	pcs.	
GEL ANTISCALANT RO2	133.030.10	–	25	1	4-20 ppm

Gel Washing Basic

Basic solution for Gelpur OS

Basic solution to remove organic deposits from RO membranes.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DOSAGE
		€	l	pcs.	
GEL WASHING BASIC	109.080.60	–	1	6	1 litre for 100 litres of water

Gel Washing Acid

Acidic solution for Gelpur OS

Acidic solution to remove inorganic deposits from RO membranes and from ion exchange resins in water softeners.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DOSAGE
		€	l	pcs.	
GEL WASHING ACID	109.080.50	–	5	1	5 litres for 100 litres of water

Saver Liquid

Concentrated preservative liquid for RO membranes

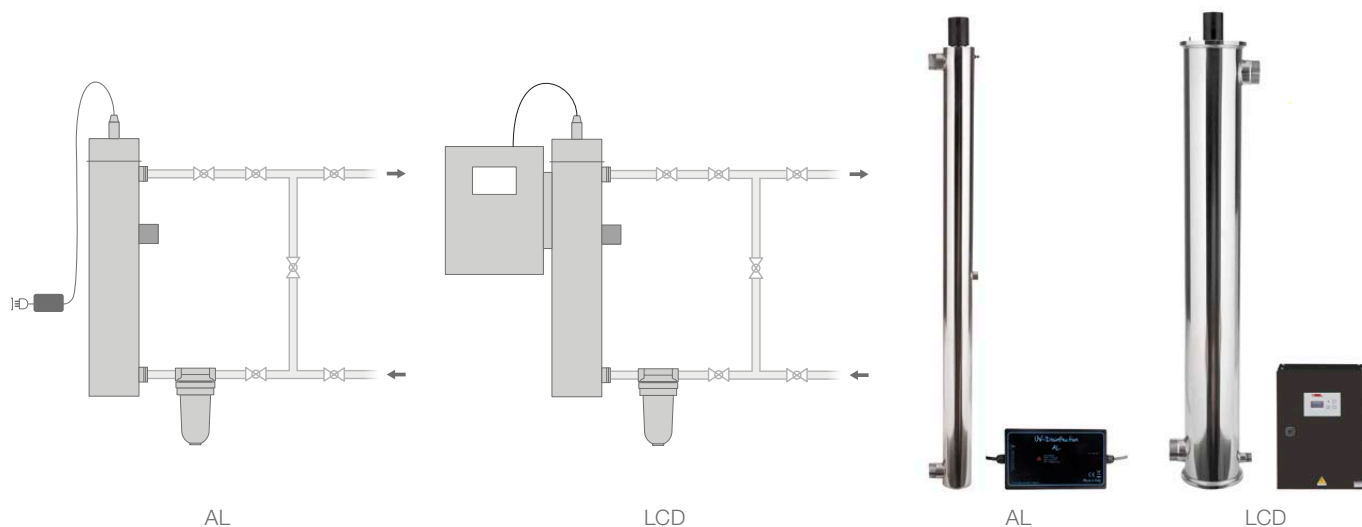
Concentrated preservative liquid preventing RO membranes from deterioration. Limits formation of moulds and bacteria. Recommended for use on membranes which have not been operating for more than seven days. It is recommended to remove product after 20 days.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€	Kg	pcs.
SAVER LIQUID	107.036.20	–	10	1

Gelpur Light

UV sterilizers



Gelpur Light are UV ray sterilizers for microbiological control in water systems. Such a system guarantees the disinfection against bacteria and viruses in water.

Operation is easy. Water is conveyed into the stainless steel irradiation chamber and flows on the Q-sleeve protecting the UV ray bulb. The UV ray lamps used in Gelpur Light units release an irradiation with a wavelength of 254 nm which makes bacteria inactive. Several models are available depending on the required flow rates, from 19 l/min to 200 l/min.

Installation is to be carried out after the water meter. A strong filtration is recommended (5 or 20µm) before the sterilizer in order to remove the solid particles that would affect the sterilizing action.

Gelpur Light AL units are made up of:

- Power supply
- Operating indicators
- Working led indicators
- Sterilizing chamber in stainless steel AISI 304 (in stainless steel AISI 316 upon request)

Gelpur Light LCD units are made up of:

- Control panel
- Hour meter for system lifetime and lamp replacement
- Working led indicators
- Sterilizing chamber in stainless steel AISI 304 (in stainless steel AISI 316 upon request)

Gelpur Light with sensor are available on request.

ITEM	ITEM CODE	UNIT PRICE	CONN.	LAMP	ABSORBED POWER	LAMP LIFE	MAX FLOW RATE	MAX PRESS.	DEGREE OF PROT.	IRRADIATION	IN/OUT INTERAXIS	DIMENS. (LxH)	CONTROL PANEL DIMENS. (LxHxZ)
		€		no.	W/h	hours	l/min	bar	IP	(J/m ²)	mm	mm	mm
GELPUR LIGHT 1/5 AL	102.331.51	–	1/8" F	1	12	9000	5	10	54	>300	140	53x267	-
GELPUR LIGHT 1/10 AL	102.331.55	–	1/2" M	1	16	9000	10	10	54	>300	285	90x394	-
GELPUR LIGHT 1/19 AL	102.331.76	–	3/4" M	1	30	9000	19	10	54	>300	415	85x524	-
GELPUR LIGHT 1/30 AL	102.331.77	–	3/4" M	1	33	9000	30	10	54	>300	764	85x524	-
GELPUR LIGHT 1/45 AL	102.331.78	–	1" M	1	40	9000	45	10	54	>300	816	88x925	-
GELPUR LIGHT 1/60 AL	102.331.79	–	1" ½ M	1	40	9000	60	10	54	>300	764	190x880	-
GELPUR LIGHT 1/85 AL	102.331.81	–	1" ½ M	1	80	9000	85	10	54	>300	764	190x880	-
GELPUR LIGHT 1/19 LCD	102.332.12	–	3/4" M	1	30	9000	19	9	55	>300	415	90x530	200x160x95
GELPUR LIGHT 1/45 LCD	102.332.22	–	1" M	1	40	9000	45	9	55	>300	816	90x930	200x160x95
GELPUR LIGHT 1/60 LCD	102.332.42	–	1" ½ M	1	40	9000	60	9	55	>300	767	190x950	200x160x95
GELPUR LIGHT 1/85 LCD	102.332.52	–	1" ½ M	1	80	9000	85	9	55	>300	767	190x950	200x160x95
GELPUR LIGHT 2/100 LCD	102.339.05	–	1" ½ M	2	85	9000	100	9	55	>300	767	190x990	240x190x95
GELPUR LIGHT 2/200 LCD	102.335.92	–	1" ½ M	2	160	9000	200	9	55	>300	767	185x985	240x190x90
GELPUR LIGHT 3/330 LCD	102.332.95	–	2" M	3	266	9000	333	9	55	>300	767	230x885	300x400x200

Spare parts and accessories for UV sterilizers

ITEM	ITEM CODE	UNIT PRICE	IN/ OUT CONNECTIONS	VOLTAGE	DESCRIPTION
		€		V	
EV BLOCK NC 3/4"	102.319.00	–	3/4"	24	Block valve suitable for GELPUR LIGHT 1/19 S
EV BLOCK NC 1"	102.319.05	–	1"	24	Block valve suitable for GELPUR LIGHT 1/45 S
EV BLOCK NC 1" ½	102.319.10	–	1" ½	24	Block valve suitable for GELPUR LIGHT 1/60 S - 1/85 S - 2/100 S
EV BLOCK NC 2"	102.319.12	–	2"	24	Block valve suitable for GELPUR LIGHT 3/330 S
TRANSFORMER 230/24 V	102.319.20	–	-	24	For GELPUR LIGHT
UV LAMP 1/19	600.180.98	–	-	-	For GELPUR LIGHT 1/19, 1/19 S
UV LAMP 1/45 - 1/60 - 2/100	600.180.95	–	-	-	For GELPUR LIGHT 1/45, 1/45 S, 1/60, 1/60 S, 2/100
UV LAMP 1/85 - 2/200 - 3/330	600.180.96	–	-	-	For GELPUR LIGHT 1/85. 2/200, 3/330
O-RING FOR Q SLEEVE	452.365.80	–	-	-	Recommended upon lamp replacement
QUARTZ TUBE 1/30	600.180.93	–			Per GELPUR LIGHT 1/30
UV LAMP	600.180.94	–			Per GELPUR LIGHT 1/30



Power flushing and protection of heating system



Flushing chemicals

Long Life SCARICO ZERO / Long Life 400 / Long Life 410 / Long Life 800
Long Life 100 / Long Life 710 / Long Life 200 / Long Life SEALER /
Long Life COMBI / Long Life 200 Solar / Long Life 100 Solar

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Products and equipment for boiler flushing

Long Life Thermo Cleaner / Long Life Thermo Flush 8

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Power flushing pumps

Superflush 40 / Superflush 30 / Conductivity tester /
Wheely Soft / Air Force 1 / Boy Jet 4S / Wheely Pure

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**MODERATELY DIRTY
THERMAL SYSTEMS**
REMOVES MUD AND PROTECTS AGAINST SCALE AND CORROSION

Long Life SCARICO ZERO


UNI 8065:2019

Zero-drain sludge remover and protector for the rehabilitation and protection of moderately soiled thermal systems

To be used in conjunction with a magnetic sludge remover

Multi-purpose product with dispersing, regenerating and protective action. Specifically for the removal of sludge, corrosion residues and deposits formed in thermal plants and for the control of corrosion and scaling. **Compatible with all metals, including aluminium.**

The liquid product is complemented by the spray version **LL Scarico Zero Fast**. Thanks to the 3/8"-1/2" quick couplings, LL Scarico Zero Fast can be introduced into the system via the magnetic sludge remover, radiator vent valves or the manifold, **without introducing air into the system.**

Dose 1 litre of liquid product or one 400 ml canister per 100 litres of water in the system (up to 8/10 radiators). For low temperature systems, add LL 710 or LL 710 Fast.

Check the increase in conductivity with the **pocket conductivity meter**.

Overdosing does not cause any problems for the system. Use the product with LL MiniMag, Mag Filter and Termo Filter OX magnetic sludge removers for optimal circuit remediation and protection, without draining the system.



3/8"-1/2" fittings

With protective inhibitor LL 100, NSF-certified.

ARTICLE	CODE	PRICE	CONTENT	PACKAGING	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGE
		€/each		pieces/type	g/cm ³		°C	%
LONG LIFE SCARICO ZERO	113.168.50	–	1 l	6 canisters	1,1	≈6,5	<-1	1
LONG LIFE SCARICO ZERO	113.168.60	–	20 l	1 canister	1,1	≈6,5	<-1	1
LONG LIFE SCARICO ZERO FAST	113.160.95	–	400 ml	6 cans	1,1	≈6,5	<-1	0,4

NOTE: LL SCARICO ZERO must be used in conjunction with the sludge removers on page 84/85



MINI MAG SMART
Magnetic under-boiler sludge remover
for systems up to 100 litres



MAG FILTER
Magnetic under-boiler sludge
remover for all types of systems
up to 200/300 litres



TERMO FILTER OX
Magnetic sludge remover
for centralised systems


**NEW OR REHABILITATED
THERMAL SYSTEMS**
PROTECT AGAINST SCALE AND CORROSION

Long Life 100

Protective inhibitor for new or rehabilitated heating systems **NSF certified**


UNI 8065:2019

A non-acidic product for corrosion and scale control in boilers and heating systems. Limits gas formation in the circuit. **Compatible with all metals, including aluminium.**

The liquid product is complemented by the **LL 100 Fast spray version**. Thanks to the 3/8"-1/2" quick couplings, LL 100 Fast can be introduced into the system via the magnetic sludge remover, radiator vent valves or the manifold, **without introducing air into the system.**

Dose 1 litre of liquid product or one 400 ml canister per 100 litres of water in the system (up to 8/10 radiators).

Overdosing does not cause any problems for the system.

In the case of flushing, LL 100 can be introduced through the LL Superflush sanitising pumps. In the case of top-up, LL 100 can be fed into the full system via the charging devices.



3/8"-1/2" fittings

NSF-certified protection inhibitor.

ARTICLE	CODE	PRICE €/each	CONTENT	PACKAGING pieces/type	DENSITY (at 20 °C) g/cm³	pH	FREEZING POINT °C	DOSAGE %
LONG LIFE 100	113.160.00	—	1 l	6 canisters	1,09	≈ 6,81	<-1	1
LONG LIFE 100	113.160.05	—	20 l	1 canister	1,09	≈ 6,81	<-1	1
LONG LIFE 100 FAST	113.160.90	—	400 ml	6 cans	1,09	≈ 6,81	<-1	0,4



NEW HEATING SYSTEMS

REMOVE MANUFACTURING RESIDUES

Long Life 300

Cleaner for new heating systems

Cleaning and cleansing product with neutral pH, with cleaning and passivating action. Removes working and welding residues, greases and oils which can be present in new heating systems and systems up to six months old. **Safe to use with all metals of the system, including aluminium.**

Dose 1 litre of product per 100 litres of system water (1 l. can for systems up to 8/10 radiators). **An overdosage does not cause any problems to the system.** Circulate up to 24 hours via the boiler circulator, then rinse thoroughly.



UNI 8065:2019



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGE
		€	l	pcs.	g/cm ³		°C	%
LONG LIFE 300	113.162.21	–	1	6	1,04	≈7	<-1	1
LONG LIFE 300	113.162.25	–	5	1	1,04	≈7	<-1	1

PARTLY FOULED HEATING SYSTEMS

REMOVE SLUDGE AND CORROSION DEBRIS

Long Life 410

Flushing chemical for radiator heating systems or for partly fouled underfloor heating systems

Flushing chemical with enhanced **dispersing action** to remove sludge, iron deposits and corrosion debris built over the time in **radiator and underfloor heating systems**. To be used with system operating to restore heat exchanger and circulator. **Safe to use with all metals, including aluminium.** Dose 1 litre of product per 100 litres of system water (1 l. can for systems up to 8/10 radiators). c

An overdosage does not cause any problems to the system. Circulate up to 24 hours via the boiler circulator. After power flushing, rinse thoroughly.



UNI 8065:2019

ALSO FOR UNDERFLOOR



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGE
		€	l	pcs.	g/cm ³		°C	%
LONG LIFE 410	113.166.11	–	1	6	1,08	≈5	<-1	1
LONG LIFE 410	113.166.31	–	5	1	1,08	≈5	<-1	1
LONG LIFE 410	113.166.21	–	20	1	1,08	≈5	<-1	1

BADLY FOULED HEATING SYSTEMS

REMOVE SLUDGE AND CORROSION DEBRIS

Long Life 800

Restorer for badly fouled radiator heating systems

Restorer for badly fouled radiator heating systems Product with strong dispersing and cleaning action to remove high amounts of metal oxides and scale deposits built over time in heating systems. **Safe to use with all metals of the system, including aluminium.** Dose 1 litre of product per 100 litres of system water (1 l. can for systems up to 8/10 radiators). Check the increase in conductivity with the **new pocket conductivity meter**. **An overdosage does not cause any problems to the system.** To be used via Long Life Superflush high circulation power flushing pump.



UNI 8065:2019



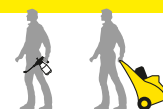
ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGE
		€/cad.	l	pcs.	g/cm ³		°C	%
LONG LIFE 800	113.165.61	–	1	6	1,09	≈6,5	<-1	1
LONG LIFE 800	113.165.71	–	5	1	1,09	≈6,5	<-1	1



HEATING SYSTEMS PROTECT AGAINST BACTERIAL CORROSION

Long Life 710

Biocide-sanitiser for underfloor heating systems



UNI 8065:2019

Non oxidising product to remove bacteria in underfloor heating systems. **Safe to use with all metals, including aluminium.**

A spray version LL 710 Fast is added to the liquid product. Thanks to the 3/8"-1/2", LL 710 Fast connection it can be introduced into the system through the magnetic filter, radiator vent valves or the manifold, **without introducing air into the system.**

For fouled systems, dose half a litre of product per 100 litres of system water and circulate up to 24 hours via the boiler circulator. After the treatment drain the system and recondition with LL100 and LL710. For new or treated systems, dose half a litre of product and leave it inside the system. **An overdosage does not cause any problems to the system.**

To speed up power flushing, use LL Superflush power flushing pumps. When refilling, LL 710 can be added directly into the full system via filling devices or via the vent valve of a radiator. The product should be replenished annually.

ALSO SPRAY



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGE
		€/cad.	l	pcs.	g/cm ³		°C	%
LONG LIFE 710	113.167.11	–	1 l	6 tanks	1,1	≈8,3	<-5	0,5
LONG LIFE 710	113.167.21	–	5 l	1 tank	1,1	≈8,3	<-5	0,5
LONG LIFE 710 FAST	113.167.16	–	400 ml	6 spray can	1,1	≈8,3	<-5	0,4

HETING SYSTEMS PROTECT AGAINST SCALE

Long Life 200

Non-acidic noise reducer for boilers and heating systems

Non-acidic product to eliminate problems due to scale in boilers and heating systems. **Safe to use with all metals of the system, including aluminium.**

Dose 1 litre of product per 100 litres of system water (1 l. can for systems up to 8/10 radiators). **An overdosage does not cause any problems to the system.**



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGE
		€	l	pcs.	g/cm ³		°C	%
LONG LIFE 200	113.161.11	–	1	6	1,07	≈6,5	<-1	1

HETING SYSTEMS PROTECT AGAINST SCALE

Long Life Sealer

Liquid sealer for heating systems

Liquid self-sealer to remove small leaks (up to 50 litres/day) in heating systems. **Safe to use with all metals of the system, including aluminium.**

Dose 1 litre of product per 100 litres of system water. **An overdosage does not cause any problems to the system.** Circulate the product and leave it inside the system.



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	DENSITY (at 20 °C)	pH	FREEZING POINT	DOSAGGIO
		€	l	pcs.	g/cm ³		°C	%
LONG LIFE SEALER	133.050.40	–	1	6	1,01	≈7,4	<0	1



SOLAR HEATING SYSTEM

REMOVE SLUDGE AND CORROSION DEBRIS

Long Life 200 Solar

Cleaner for solar systems

Cleaner for solar systems Ready-to-use product with dispersing and cleaning action to remove sludge, corrosion debris and deposits caused by the normal degradation of thermal fluids in solar heating systems. **Safe to use with all materials generally present in systems.**

To speed up cleaning, use Boy Jet 4S pump.



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ITEM	ITEM CODE	UNIT PRICE €	CAN l	PACK pcs.	DENSITY (at 20 °C) g/cm ³	pH	FREEZING POINT °C	DOSAGE %
LONG LIFE 200 SOLAR	113.158.20	–	10	1	1,03	≈12,5	<-3	100
LONG LIFE 200 SOLAR	113.158.95	–	20	1	1,03	≈12,5	<-3	100

SOLAR HEATING SYSTEM

PROTECT AGAINST SCALE, CORROSION AND FREEZIN

Long Life 100 Solar

Non-toxic heat transfer fluid with corrosion inhibitors for solar systems

Ready-to-use multifunction product to control corrosion and scale and to protect solar heating systems from freezing down to -20 °C. Safe to use with all materials generally present in systems.

PRESSURE	BOILING TEMPERATURE
1 bar	103 °C
2 bar	123 °C
3 bar	140 °C

To speed up cleaning, use BoyJet 4S pump. When refilling, LL 100 Solar can be added directly into the full system via filling devices or via the vent valve.



UNI 8065:2019



ITEM	ITEM CODE	UNIT PRICE €	CAN l	PACK pcs.	DENSITY (at 20 °C) g/cm ³	pH	FREEZING POINT °C	DOSAGE %
LONG LIFE 100 SOLAR	113.158.10	–	10	1	1,03	≈9	<-20	100
LONG LIFE 100 SOLAR	113.158.90	–	20	1	1,03	≈9	<-20	100

***NOTE:** THE PRODUCT IS SUBJECT TO STRONG MARKET FLUCTUATIONS, IT IS ADVISABLE TO CONTACT THE SALES OFFICE FOR AN UP-TO-DATE QUOTATION



PRIMARY EXCHANGER FOR CONDENSING BOILERS

REMOVES SLUDGE AND CORROSION RESIDUES

Long Life Thermo Cleaner

Rehabilitation of **primary exchanger** of condensing boilers.
For use with LL ThermoFlush 8 device

Ready-to-use liquid product for cleaning the primary exchanger of condensing boilers. Compatible with all metals including aluminium. For use with LL Thermo Flush 8 pressurised flushing device.

- **Compatible with all metals**, including aluminium.
- **Ready to use**
- Reduces fuel consumption
- Maintains proper heat exchange
- **NON toxic product**



NOTE: The **LL THERMO CLEANER** should be used in conjunction with the **THERMO FLUSH 8** flushing device.

ARTICLE	CODE	PRICE	CANISTER	PACKAGING	DENSITY (20 °C)	pH	USABLE CAPACITY	IN/OUT CONNECTORS	OPER. PRESS.	BODY MATERIAL	DIMENS. (ØXZ)
		€/each	Kg	pieces	g/cm ³		l		bars		mm
LL THERMO CLEANER	113.166.05	–	1	6	1.08	5.0	–	–	–	–	–

Operating temperature: 5÷60 °C; Ambient temperature: 5÷50 °C

PRIMARY EXCHANGER FOR CONDENSING BOILERS

REMOVES SLUDGE AND CORROSION RESIDUES

KIT LL Thermo Flush 8

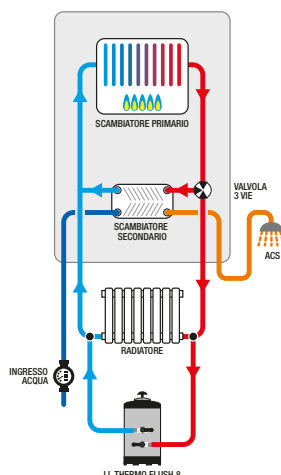
Device for flushing the primary heat exchanger and the DHW exchanger on the heating side

Instructions for use

- Depressurise the system and connect IN/OUT of the boiler.
- Load the LL Thermo Cleaner product.
- Charge the system, pressurise to 1 bar, switch on the boiler and circulate with the heating function active at a maximum temperature of 50 °C.
- During flushing (2/8 hours), open the DHW tap and let it run for 15/30 minutes.
- In this way, the product will also clean the secondary exchanger, the 3-way valve and the circulator.

This specific washing can be done with the boiler switched on.

This specific flushing can be carried out simultaneously with the flushing of the thermal circuit with LL SuperFlush pumps.



1 kg of LL Thermo Cleaner GIFT

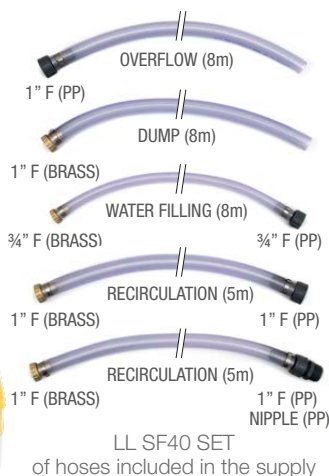
ARTICLE	CODE	PRICE	CANISTER	PACKAGING	DENSITY (20 °C)	pH	USABLE CAPACITY	IN/OUT CONNECTORS	OPER. PRESS.	BODY MATERIAL	DIMENS. (ØXZ)
		€/each	Kg	pieces	g/cm ³		l		bars		mm
KIT LL THERMOFLUSH 8	101.299.95	–	1	1	1.08	5.0	8	3/4" M	1÷8	AISI 304	185x400

Operating temperature: 5÷60 °C; Ambient temperature: 5÷50 °C

Superflush 40

2 in 1 pump for high circulation power flushing of heating systems and descaling of heat exchangers. Wheeled

High circulation pump for descaling, cleaning and power flushing traditional and underfloor heating systems. Ergonomic and easy to handle, **Superflush 40 is now equipped with a new carter to protect valves.** Fitted with flow reverser. SF40 HOSES KIT included in the supply.



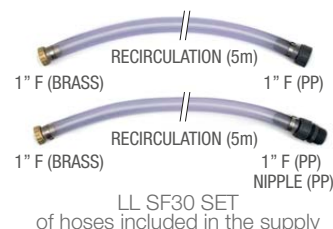
ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROTECTION*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESSURE	WEIGHT	DIMENS. (LxHxZ)
		€	V/HP	IP	l/min		l	bar	kg	cm
LONG LIFE SUPER FLUSH 40	121.094.30	—	230/0,75	54	102	1" F	40	1,8	19	40x95x70

Max temperature of use: 50 °C; * Referred to the motor

Superflush 30

2 in 1 pump for high circulation power flushing of heating systems and descaling of heat exchangers.

Pump for descaling, cleaning and power flushing small traditional and underfloor heating systems. Fitted with flow reverser.



ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROTECTION*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESSURE	WEIGHT	DIMENS. (ØxZ)
		€	V/HP	IP	l/min		l	bar	kg	cm
LONG LIFE SUPER FLUSH 30	121.070.64	—	230/0,45	54	39	1/2" F	24	1,5	16,3	43x63

Max temperature of use: 50 °C; * Referred to the motor

Conductivity tester

Watertight pocket EC tester

Pocket conductivity (EC) meter that can measure up to 20,000 µS/cm. Watertight, with integrated temperature sensor, large display and only 2 buttons for operation.

ITEM	ITEM CODE	UNIT PRICE	DESCRIPTION	MEASUREMENT
		€		µS/cm
CONDUCTIVITY TESTER	155.010.11	—	Pocket conductivity tester	0-20.000

If you are looking for a pump only for descaling, go to **page 110**



Wheely Soft

Mobile water softener for filling heating systems.
Wheeled

Water softener to fill traditional and underfloor heating systems, new or power flushed. Ergonomic and easy to handle. Volumetric with battery. After use, regenerate with the saturated Gel Brine solution.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	RESINS	CYCLIC CAPACITY	CONNECT.	OPERATION FLOW RATE (H.L. < 0,5)	TREATED WATER AUTONOMY (IN 50 °f / OUT 5 °f)	WEIGHT	DIMENSIONS (LxHxZ)
		€	Kg	pcs.	l	m³ x °f		m³/h	m³	kg	cm
WHEELY SOFT	109.745.90	–	-	1	8	48	3/4" M	0,3	1	16	40x95x70
GEL BRINE	111.090.75	–	10	1	-	-	-	-	-	-	-

Air Force 1

Manual pump to fill heating systems

Pressure pump to fill conditioning chemicals into heating systems and clean combustion chambers of condensing boilers. To be used with Long Life 100. Supplied with Connection kit for MiniMag magnetic filter.



ITEM	ITEM CODE	UNIT PRICE	MAX PRESSURE WITH TANK FULL	MATERIAL	TANK CAPACITY
		€	bar		l
AIR FORCE 1	106.051.00	–	2	PP	1

Boy Jet 4S

Centrifugal pump for washing and filling solar systems.
Wheeled

Centrifugal pump for filling solar heating systems. **The new ergonomic design of the pump makes it easy to use and carry, ensuring a higher resistance.**



ITEM	ITEM CODE	UNIT PRICE	SINGLE PHASE MOTOR	TANK CAPACITY	MAX FLOW RATE	MAX PRESSURE	WEIGHT	DIMENSIONS (LxHxZ)
		€	Hp	l	l/min	bar	kg	cm
BOY JET 4S*	128.080.00	–	0,37	30	29	4	19	50x110x50

Max temperature 60 °C

Wheely Pure

Mobile reverse osmosis unit for solar systems. Wheeled.

Reverse osmosis system for the treatment of spring, well, municipal water. GEL WHEELY PURE is fitted with wheels, so easy to handle and designed for: washing solar panels, filling heating systems, washing without leaving rings. The unit is made up of the following treatment stages: Prefiltration 60 µm, Microfiltration 5 µm, Reverse osmosis.



ITEM	ITEM CODE	UNIT PRICE	POWER SUPPLY	INSTALLED POWER	PERMEATE FLOW RATE	RAW WATER FLOW RATE	CONCENTRATE FLOW RATE	OPERATING PRESSURE	WEIGHT	DIMENSIONS (LxHxZ)
		€	V/Hz	kW	m³/h	m³/h	m³/h	bar	kg	cm
GEL WHEELY PURE	102.316.75	–	230/50	0,55	0,3	0,5	0,2	10÷12	60	55x126x80

Spare parts and accessories for power flushing and descaling pumps

ITEM	ITEM CODE	UNIT PRICE €/cad.	DESCRIPTION
SET OF HOSES LL SF40	600.060.90	–	1 x 8 m. rubber hose for OVERFLOW with PP 1" F connection 1 x 8 m. rubber hose for FILLING with BRASS ¾" F connection 1 x 8 m. rubber hose for DUMP with BRASS 1" F connection 2 X 5 m. rubber hose for RECIRCULATION with BRASS 1" F and PP 1" F connection 1 x 1" NIPPLE
SET OF HOSES LL SF30	600.060.85	–	1 x 8 m. rubber hose for OVERFLOW with PP ¾" F connection 1 x 8 m. rubber hose for FILLING with BRASS ¾" F connection 1 X 8 m. rubber hose for DUMP with BRASS ¾" F and PP ¾" F connection
TRANSPARENT HOSE	600.330.10	–	mt 2 x 2 + FITTING 1/2
PP BOLT 10 MA	472.005.40	–	

How to calculate the water contained in the system

According to the **heat output** of a system

SYSTEM HEAT OUTPUT (kW)	TRADITIONAL SYSTEMS (Radiators + copper or multilayer pipes)	UNDERFLOOR HEATING SYSTEMS	OLD TRADITIONAL SYSTEMS (Radiators + iron pipes)
24 – 25	100 – 160 lt	130 – 190 lt	150 – 210 lt
28 – 30	150 – 200 lt	180 – 230 lt	200 – 260 lt
34 – 35	250 – 320 lt	300 – 370 lt	350 – 450 lt

According to the **surface** of a system

SYSTEM SURFACE (m²)	TRADITIONAL SYSTEMS (Radiators + copper or multilayer pipes)	UNDERFLOOR HEATING SYSTEMS	OLD TRADITIONAL SYSTEMS (Radiators + iron pipes)
100	90 – 120 lt	100 – 150 lt	150 – 200 lt
200	180 – 230 lt	200 – 300 lt	250 – 350 lt
400 - 500	300 – 350 lt	350 – 430 lt	400 – 500 lt

Approximate indications

How to choose Long Life chemicals

SYSTEM	LOW TEMPERATURE			HIGH TEMPERATURE		
	CLEANING	CONDITIONING	USE OF PUMP	CLEANING	CONDITIONING	USE OF PUMP
NEW	LL 300	LL 100 + LL 710		LL 300	LL 100	
PARTLY FOULED	LL SCARICO ZERO + LL 710			LL SCARICO ZERO		
BADLY FOULED	LL 410 + LL 710	LL 100 + LL 710	✓	LL 800	LL 100	✓

Approximate indications



Magnetic filters and neutralisers



Magnetic filters

KIT Minimag 100 / KIT Scarico Zero / Thermo filter OX / Thermo filter / Thermo Tank

84



Neutralising filters

Malox / 5L neutraliser

88



HEATING SYSTEMS REMEDIATION AND PROTECTION PLUS SLUDGE REMOVAL

KIT Minimag 100 NSF

Protection kit with sludge remover

FOR NEW
INSTALLATIONS



KIT MINIMAG 100 NSF



MINIMAG SMART



LL 100 NSF



LL 710 POCKET
ANTIALGHE

KIT MINIMAG 100 NSF FAST



MINIMAG SMART



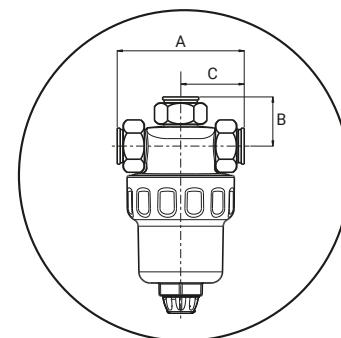
LL 100 NSF FAST



LL 710 FAST
ANTIALGHE

The sludge remover filter must be installed on the return line of the thermal circuit. Swivelling connections allow installation on vertical and horizontal pipes. The tap allows the draining and filling of chemicals. The easily removable magnet and the wide drain allow for fast and effective maintenance.

*30% more effective than existing sludge removers



ARTICLE	CODE	PRICE	CONF.	EQUIP.	MAX. CAPACITY	DEGREE OF FILTRATION	MAX OPERATING PRESSURE	WORKING TEMP.	MAGNETIC INDUCTION,	COMPATIBLE FLUID	DIMENSIONS (LxHxP) (centre distance)	
		€/each	pieces	F	l/min	µm	bars	°C	Gauss		cm	cm
KIT MINIMAG 100 AT	101.294.50	—	3	3/4"	6,5	1200	3	0-90	14.600/4200	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT MINIMAG 100 FAST AT	101.294.10	—	3	3/4"	6,5	1200	3	0-90	14.600/4200	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT MINIMAG 100 BT	101.294.70	—	3	3/4"	6,5	1200	3	0-90	14.600/4200	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT MINIMAG 100 FAST BT	101.294.20	—	3	3/4"	6,5	1200	3	0-90	14.600/4200	water water+glycol	8x14x7,1	A=8 B=3 C=4



HEATING SYSTEMS REMEDIATION AND PROTECTION PLUS SLUDGE REMOVAL

KIT Scarico Zero

Flushing and protection kit with sludge remover
No rinse

FOR MODERATELY
DIRTY INSTALLATIONS



KIT SCARICO ZERO

AT - HIGH
TEMPERATURE

BT - LOW
TEMPERATURE



MINIMAG SMART



LL SCARICO ZERO



LL 710 POCKET
ANTIALGHE

KIT SCARICO ZERO FAST



MINIMAG SMART



LL SCARICO ZERO FAST



LL 710 FAST
ANTIALGHE



MAG FILTER 1"



2 x LL SCARICO ZERO



LL 710 POCKET
ANTIALGHE

The sludge remover filter must be installed on the return line of the thermal circuit. Swivelling connections allow installation on vertical and horizontal pipes. The tap allows the draining and filling of chemicals. The easily removable magnet and the wide drain allow for fast and effective maintenance.

ARTICLE	CODE	PRICE	CONF.	EQUIP.	MAX. CAPACITY	MAX OPERATING PRESSURE	WORKING TEMP.	MAGNETIC INDUCTION	COMPATIBLE FLUID	DIMENSIONS	
		€/each	pieces	F	l/min	bars	°C	Gauss		(LxHxP) cm	(centre dist.) cm
KIT SCARICO ZERO 100 AT 3/4"	101.401.00	—	3	3/4"	6,5	3	0-90	14.600	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT SCARICO ZERO FAST 100 AT 3/4"	101.401.05	—	3	3/4"	6,5	3	0-90	14.600	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT SCARICO ZERO 200 AT 1"	101.401.20	—	1	1"	35	3	0-90	11.000	water water+glycol	27x8,2x18,5	22,5
KIT SCARICO ZERO 100 BT 3/4"	101.401.10	—	3	3/4"	6,5	3	0-90	14.600	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT SCARICO ZERO FAST 100 BT 3/4"	101.401.15	—	3	3/4"	6,5	3	0-90	14.600	water water+glycol	8x14x7,1	A=8 B=3 C=4
KIT SCARICO ZERO 200 BT 1"	101.401.30	—	1	1"	35	3	0-90	11.000	water water+glycol	27x8,2x18,5	22,5

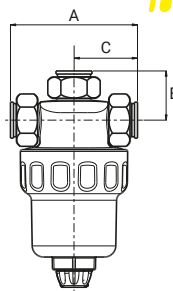
Minimag Smart

Magnetic sludge remover filter

The magnetic sludge remover filter must be installed on the return line of the heating circuit. The swivelling connections allow installation on both vertical and horizontal pipes.

The tap allows for draining and filling of chemicals. The easily removable magnet and the wide drain allow for fast and effective maintenance.

*30% more effective than existing sludge removers



**THE MOST EFFECTIVE +30%
with the strength OF
14.600
GAUSS**



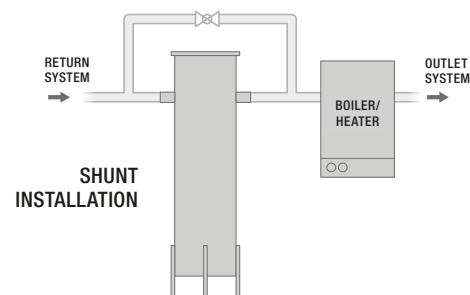
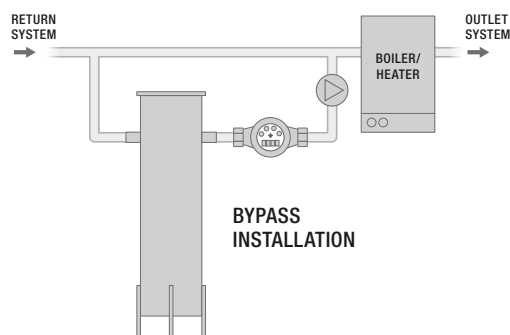
MINIMAG SMART

MINIMAG SMART
ECO

ARTICLE	CODE	PRICE	CONF.	EQUIP.	MAX. CAPACITY	FILTRATION GRADE	MAX PRESSURE	WATER TEMP.	MAGNETIC INDUCTION	COMPATIBLE FLUID	DIMENSIONS (LxHxP)	DIMENSIONS (centre dist.)	KIT SCARICO
		€/each	pieces	F	l/min	µm	bar	°C	Gauss		cm	cm	
MINIMAG SMART	101.299.45	—	3	3/4"	6,5	1200	3	0-90	14.600	water water+glycol	8x14x7,1	A=8 B=3 C=4	Yes
MINIMAG SMART ECO	101.299.05	—	3	3/4"-1/2"	6,5	1200	3	0-90	12.000	water water+glycol	8x14x7,1	A=8 B=3 C=4	No

Termo Filter OX

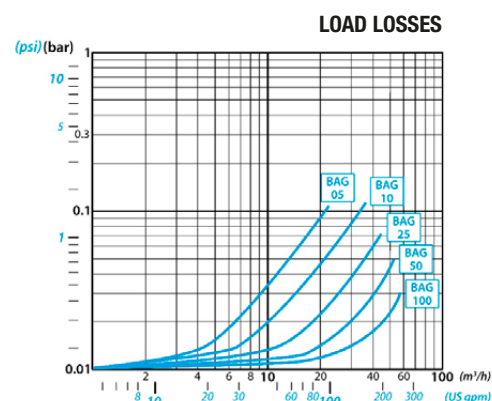
Magnetic sludge removing filters for closed circuit heating and cooling systems



The sludge removing filter in stainless steel can be installed in bypass or in line on closed circuit heating systems, in order to keep circulating water clean and chemical added. Filter is equipped with automatic vent valve on the lid, hand operated purge valve at the bottom and permanent magnet to remove iron oxides. Lid closure is manufactured with swing bolts. **It is fitted with 100 µm filter bag (with supporting stainless steel strainer) inside which it is possible to insert conditioners and chemical additives.** Termo Filter OX can house different filter bags. Please contact Gel Technical Department to choose the most appropriate filter bag.

PRESSURE LOSSES

Flow rates are referred to a water at 20 °C with NTU < 1.
Pressure losses reported with clean water.



ITEM	ITEM CODE	UNIT PRICE	DRAIN FITTING	IN/OUT FITTINGS	MAX ΔP	MAX FLOW RATE (100 µm filter bag)	SCREEN AREA	MAGNETIC INDUCTION	CAPACITY	WEIGHT	DIMENS. (ØxH body) PIYCH
		€/cad.			bar	m³/h	cm²	Gauss	l	kg	cm cm

WITH 30 cm MAGNET

THERMO FILTER OX S 2" M	101.340.50	—	1/2" BSPP	2" M	3,5	20	2500	10000	22	15	25x84 34
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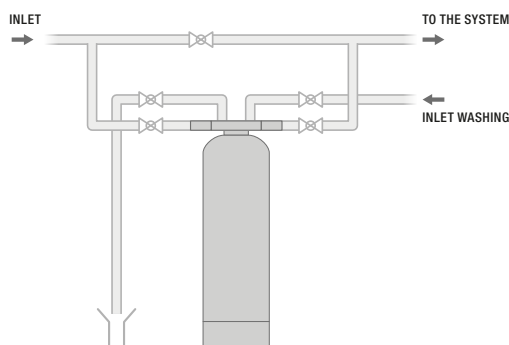
WITH 45 cm MAGNET

THERMO FILTER OX 2"-2"1/2 M	101.340.70	—	1/2" BSPP	2"-2" 1/2 M	3,5	30	5000	10000	36	24	25x105 68
THERMO FILTER OX DN80	101.340.80	—	1/2" BSPP	DN80	3,5	35	5000	10000	36	26	25x105 68
THERMO FILTER OX DN100	101.340.90	—	1/2" BSPP	DN100	3,5	40	5000	10000	36	28	25x105 68

Use: technical; Ambient temperature: 5-50 °C; Max temperature: 90 °C; Max pressure: 10 bar; Filter bag dimensions (ØxL): 17,8x42 cm / 17,8x81 cm;
Filter body material: AISI 304; Bag support material: AISI 316.

Thermo Filter

Multimedia sludge removing filters for closed circuit heating and cooling systems



Thermo Filter is a clarifying and sludge removing filter for closed circuit heating and cooling systems. Thermo Filter removes all impurities in closed circuits. It is installed in bypass on the return pipe of the system.

ITEM	ITEM CODE	UNIT PRICE	IN/OUT CONN.	OPERATION FLOW RATE	MAX OPERATING PRESSURE	BACKWASH FLOW RATE	MIN. BACKWASH PRESSURE	DIMENS.
		€		m ³ /h	bar	m ³ /h	bar	cm (HxØ)
THERMO FILTER 12	101.093.10	–	3/4" F	0,35	6	1,0	2	99x26
THERMO FILTER 25	101.093.15	–	3/4" F	0,50	6	1,5	2	102x26
THERMO FILTER 50	101.093.20	–	3/4" F	1	6	3,0	2	125x34

Use: tec/pot; Water temperature: 5-45 °C; Room temperature: 5-50 °C - If the pressure is not sufficient, install a booster pump.

Thermo Tank

Filling unit for conditioning chemicals

System for filling conditioning chemicals into traditional and underfloor heating systems. Can be installed in line or bypass.



ITEM	ITEM CODE	UNIT PRICE	CONNECT.	TANK CAPACITY	PRESSURE	WEIGHT	DIMENS. (ØxH)
		€		l	bar	kg	cm
THERMO TANK	125.130.00	–	3/4"-3/4" F	1,2	8	3	15x27x13

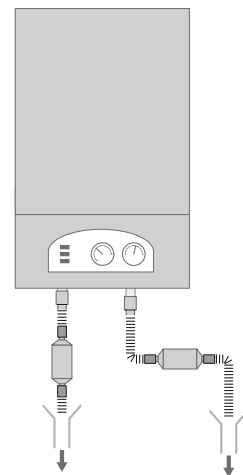
Malox Fast

Acid condensate neutralising filter for condensing boilers up to 35 kW



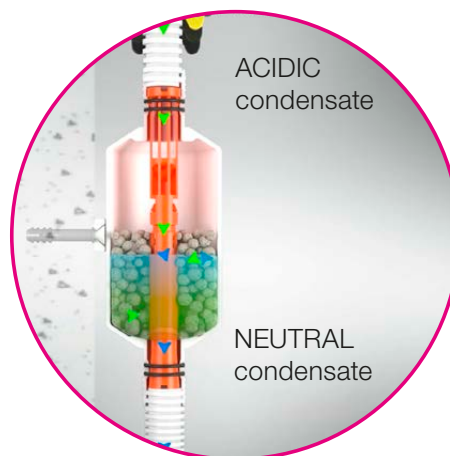
GEL
PATENT

- **ANTI-ACID FOR BOILER**
- **INSTALLS IN A FEW MINUTES**
- **UNIVERSAL SMART CONNECTIONS**



Malox Fast is a neutralising filter for wall-hung condensing boilers with an output of up to 35 kW. Neutralising masses increase and maintain the hardness and pH of the water in equilibrium and do not contain components that could alter the characteristics of the neutralised water to be discharged.

- Compatible with all boilers thanks to the **universal smart connection** included.
- Ideal for **quick connections** with standard condensate pipes and washing machine pipes
- Can be installed both **horizontally** and **vertically**.
- Extremely compact
- With **anti-block** by-pass

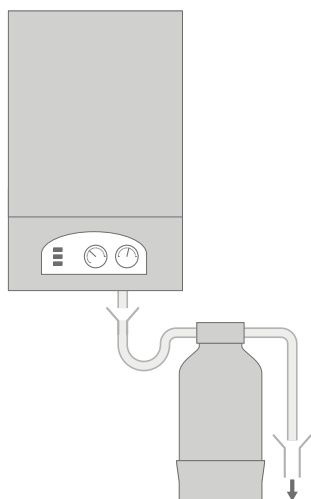


ARTICLE	CODE	PRICE	CONF.	EQUIP.	MATERIAL	PRESS. MAX	MAX. CAPACITY ($\Delta P < 0.3$ BAR)	DIMENS.
		€/each	pieces	mm		bars	l/h	cm
MALOX FAST	101.091.96	—	4	20	PVC	2	3,0	5.2x15.4

Usage: tec.; Water temperature: 5-40 °C; Ambient temperature: 5-50 °C;

5L Neutralising filter

Neutralising filter for acidic condensates of condensing boilers up to 378 kW



The 5 litre neutraliser is a neutralising filter with activated media of calcium carbonate for boilers with power up to 378 kW. The neutralising media increase and keep water hardness and pH levels balanced. They do not contain any components which might alter the features of the neutralized water to be drained.

ITEM	ITEM CODE	UNIT PRICE	PACK.	CONN.	MATERIAL		MAX PRESS.	MAX FLOW RATE ($\Delta P < 0,3$ BAR)	DIMENS. (ØXH)
		€	pcs.		head	housing	bar	l/h	
5 L. NEUTRALISING FILTER	101.092.82	—	1	3/4"	PP	-	6	60,0	18x40

Use: tec; Water Temperature: 5-40 °C; Ambient Temperature: 5-50 °C.

Consumabili per Thermo Filter e Thermo Filter OX

ITEM	ITEM CODE	UNIT PRICE	PACK		DESCRIPTION
			€	pcs	Kg
QUARZITE 3 - 5 mm	410.700.30	—	1	25	For Thermo Filter
QUARZITE 5 - 8 mm	410.700.25	—	1	25	For Thermo Filter
FILTER BAG 10 µm	451.405.37	—	1	-	For Thermo Filter OX S with 30 cm magnet
FILTER BAG 25 µm	451.405.09	—	1	-	For Thermo Filter OX S with 30 cm magnet
FILTER BAG 50 µm	451.405.38	—	1	-	For Thermo Filter OX S with 30 cm magnet
FILTER BAG 100 µm	451.405.34	—	1	-	For Thermo Filter OX S with 30 cm magnet
FILTER BAG 200 µm	451.405.08	—	1	-	For Thermo Filter OX S with 30 cm magnet
FILTER BAG 10 µm	451.405.07	—	1	-	For Thermo Filter OX with 45 cm magnet

Accessories for Thermo Filter OX

ITEM	ITEM CODE	UNIT PRICE	PACK.
		€/cad.	pezzi
MANOMETER 0-10 bar	454.500.79	—	1
HOT WATER METER 1" 1/2	451.180.35	—	1
HOT WATER METER 2"	454.500.80	—	1
HOT WATER METER DN65	454.500.81	—	1
HOT WATER METER DN80	454.500.82	—	1
HOT WATER METER DN100	454.500.83	—	1

ITEM	ITEM CODE	UNIT PRICE	PACK	IN/OUT CONN.	P. MAX	FLOW RATE (0,6 bar)	ABSORPTION	TENSION	ROOM TEMP.	WATER TEMP
		€/cad.	pcs.		bar	m³/h	W	V	°C	°C
RECYCLING PUMP	451.700.49	—	1	2" F	10	5	151	230	0 ÷ 40	-10 ÷ 110

Consumables for neutralising filters



Refill for 5 l.

ITEM	ITEM CODE	UNIT PRICE	PACK.		DESCRIPTION
			€	Kg	pcs.
REFILL FOR 5L	410.701.42	—	25	1	For 5 litres neutraliser filter

Use: tec.



Boiler safety kit



Products under the boiler

92

Nembo KIT 2 PZ

Under-boiler kit for system protection and retrofitting

VERSION PLUS



NK2 PLUS ZERO

CODE	PRICE	PACK. PC.
101.300.85	—	6



ZEROCAL PRO DIMA
PROPORTIONAL
ANTI-SCALE DOSER
WITH LIQUID REFILL



MINIMAG SMART (14.600 GAUSS)
MAGNETIC SLUDGE
REMOVER
WITH ACCESSORIES AND
DRAIN TAP

NK2 PLUS MONO

CODE	PRICE	PACK. PC.
101.300.90	—	6



DOSAPHOS MONOCORPO
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



MINIMAG SMART (14.600 GAUSS)
MAGNETIC SLUDGE
REMOVER
WITH ACCESSORIES AND
DRAIN TAP

NK2 PLUS 250

CODE	PRICE	PACK. PC.
101.300.90	—	6



DOSAPHOS 250
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



MINIMAG SMART (14.600 GAUSS)
MAGNETIC SLUDGE
REMOVER
WITH ACCESSORIES AND
DRAIN TAP

VERSION ECO



NK2 ECO ZERO

CODE	PRICE	PACK. PC.
101.400.30	—	6



ZEROCAL PRO DIMA
PROPORTIONAL
ANTI-SCALE
DOSER
WITH LIQUID
REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE
REMOVER

NK2 ECO MONO

CODE	PRICE	PACK. PC.
101.400.25	—	6



DOSAPHOS MONOCORPO
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE
REMOVER

NK2 ECO 250 PL

CODE	PRICE	PACK. PC.
101.400.20	—	6



DOSAPHOS PL
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE
REMOVER

Nembo KIT 3 PZ

Under-boiler kit for system protection and retrofitting

VERSION PLUS



NK3 PLUS ZERO

CODE	PRICE	PACK. PC.
101.400.65	—	6



ZEROCAL PRO DIMA
PROPORTIONAL ANTI-SCALE DOSER WITH LIQUID REFILL



MINIMAG SMART (14.600 GAUSS)
MAGNETIC SLUDGE REMOVER WITH ACCESSORIES AND DRAIN TAP



MALOX
CONDENSATE NEUTRALIZER

NK3 PLUS MONO

CODE	PRICE	PACK. PC.
101.400.70	—	6



DOSAPHOS MONOCORPO
PROPORTIONAL ANTI-SCALE DOSER WITH POWDER REFILL



MINIMAG SMART (14.600 GAUSS)
MAGNETIC SLUDGE REMOVER WITH ACCESSORIES AND DRAIN TAP



MALOX
CONDENSATE NEUTRALIZER

NK3 PLUS 250

CODE	PRICE	PACK. PC.
101.400.75	—	6



DOSAPHOS 250
PROPORTIONAL ANTI-SCALE DOSER WITH POWDER REFILL



MINIMAG SMART (14.600 GAUSS)
MAGNETIC SLUDGE REMOVER WITH ACCESSORIES AND DRAIN TAP



MALOX
CONDENSATE NEUTRALIZER

VERSION ECO



NK3 ECO ZERO

CODE	PRICE	PACK. PC.
101.400.80	—	6



ZEROCAL PRO DIMA
PROPORTIONAL ANTI-SCALE DOSER WITH LIQUID REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE REMOVER



MALOX
CONDENSATE NEUTRALIZER

NK3 ECO MONO

CODE	PRICE	PACK. PC.
101.400.85	—	6



DOSAPHOS MONOCORPO
PROPORTIONAL ANTI-SCALE DOSER WITH POWDER REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE REMOVER



MALOX
CONDENSATE NEUTRALIZER

NK3 ECO 250 PL

CODE	PRICE	PACK. PC.
101.400.90	—	6



DOSAPHOS PL
PROPORTIONAL ANTI-SCALE DOSER WITH POWDER REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE REMOVER



MALOX
CONDENSATE NEUTRALIZER

VERSION ECO 100



NK3 ECO ZERO 100

CODE	PRICE	PACK. PC.
101.400.60	—	6



ZEROCAL PRO DIMA
PROPORTIONAL ANTI-SCALE DOSER WITH LIQUID REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE REMOVER



LL100
HEATING CIRCUIT INHIBITOR

NK3 ECO MONO 100

CODICE	PREZZO	CONF. PZ.
101.400.55	—	6



DOSAPHOS MONOCORPO
PROPORTIONAL ANTI-SCALE DOSER WITH POWDER REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE REMOVER



LL100
HEATING CIRCUIT INHIBITOR

NK3 ECO 250 PL 100

CODE	PRICE	PACK. PC.
101.400.50	—	6



DOSAPHOS PL
PROPORTIONAL ANTI-SCALE DOSER WITH POWDER REFILL



MINIMAG SMART ECO (12.000 GAUSS)
MAGNETIC SLUDGE REMOVER



LL100
HEATING CIRCUIT INHIBITOR



Nembo KIT 4 PZ

Under-boiler kit for system protection and retrofitting

VERSION
PLUS



NK4 PLUS ZERO

CODE	PRICE	PACK. PC.
101.400.35	—	6



ZEROCAL PRO DIMA
PROPORTIONAL
ANTI-SCALE
DOSER
WITH LIQUID
REFILL



**MINIMAG SMART
(14.600 GAUSS)**
MAGNETIC SLUDGE
REMOVER
WITH ACCESSORIES AND
DRAIN TAP



MALOX
CONDENSATE
NEUTRALIZER



LL100
HEATING CIRCUIT
INHIBITOR

NK4 PLUS MONO

CODE	PRICE	PACK. PC.
101.400.40	—	6



**DOSAPHOS
MONOCORPO**
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



**MINIMAG SMART
(14.600 GAUSS)**
MAGNETIC SLUDGE
REMOVER
WITH ACCESSORIES AND
DRAIN TAP



MALOX
CONDENSATE
NEUTRALIZER



LL100
HEATING CIRCUIT
INHIBITOR

NK4 PLUS 250

CODE	PRICE	PACK. PC.
101.400.45	—	6



DOSAPHOS PL
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



**MINIMAG SMART
(14.600 GAUSS)**
MAGNETIC SLUDGE
REMOVER
WITH ACCESSORIES AND
DRAIN TAP



MALOX
CONDENSATE
NEUTRALIZER



LL100
HEATING CIRCUIT
INHIBITOR

VERSION
ECO



NK4 ECO ZERO

CODE	PRICE	PACK. PC.
101.400.05	—	6



ZEROCAL PRO DIMA
PROPORTIONAL
ANTI-SCALE
DOSER
WITH LIQUID
REFILL



**MINIMAG
SMART ECO
(12.000 GAUSS)**
MAGNETIC
SLUDGE REMOVER



MALOX
CONDENSATE
NEUTRALIZER



LL100
HEATING CIRCUIT
INHIBITOR

NK4 ECO MONO

CODE	PRICE	PACK. PC.
101.400.15	—	6



**DOSAPHOS
MONOCORPO**
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



**MINIMAG
SMART ECO
(12.000 GAUSS)**
MAGNETIC
SLUDGE
REMOVER



MALOX
CONDENSATE
NEUTRALIZER



LL100
HEATING CIRCUIT
INHIBITOR

NK4 ECO 250 PL

CODE	PRICE	PACK. PC.
101.400.10	—	6



DOSAPHOS PL
PROPORTIONAL
ANTI-SCALE
DOSER
WITH POWDER
REFILL



**MINIMAG
SMART ECO
(12.000 GAUSS)**
MAGNETIC
SLUDGE REMOVER



MALOX
CONDENSATE
NEUTRALIZER



LL100
HEATING CIRCUIT
INHIBITOR



Chemical conditioning



Conditioning chemicals

Poly AP / Gel Termol ECO / Gel Termol Inhibitor / Gel Termol AT /
Gel Termol AT-20 / Gel Termol GV / Gel Termol GV-20 /
Gelphos L / Gelphos L 15 / Biclor / Gelclor / Oxygel / Gel Peracetic /
Gelfilmex / Gelcid / Poly Ice / Polyvapour

96



Filling units

Air Force 1 / Air Force 3

102



HEATING SYSTEM

Poly AP

Anti corrosion liquid based on polyamines for heating systems

Poly AP Anti corrosion liquid based on polyamines for heating systems Liquid product based on filming aliphatic polyamines with anti scale anti corrosion action for heating circuits containing steel, cast iron, copper, aluminium. To be dosed directly or via proportional metering pumps. If dosed via proportional metering pumps, use the Polyamines kit. Initial dosage: 0,1- 0,5%.



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT (at 20°C)	FREEZING POINT	pH	MAINTENANCE DOSAGE
		€	kg	pcs.	kg/dm ³	°C		ppm
POLY AP	107.028.20	—	20	1	1,22	0	8,8	200-500
POLYAMINES TEST KIT	471.001.20	—	-	-	-	-	-	-

Gel Termol INHIBITOR

Non-toxic anti-freeze fluid, based on propylene glycol, with specific corrosion inhibitors for all metals

Concentrated non-toxic anti-freeze protective fluid, **added with specific inhibitors to control scaling and corrosive phenomena on all metals.** Dose according to the degree of freeze protection required. **An overdose does not cause any problems for the system.**

Gel Termol Inhibitor can be introduced directly into the full system via filling devices or via expansion tank of the system.

DILUTION TABLE		
GEL TERMOL INHIBITOR %	WATER %	PROTECTION TEMP.
25	75	-10 °C
33	67	-15 °C
40	60	-22 °C
50	50	-33 °C



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WITH CORROSION INHIBITORS FOR ALL METALS

ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT (a 20 °C)	pH	BOILING POINT	DOSAGE
		€/cad.	kg	pcs.	g/cm ³		°C	%
GEL TERMOL INHIBITOR	111.011.80	—*	10	1	1,05	≈9,5	160	depending on required freeze protection level
GEL TERMOL INHIBITOR	111.011.90	—*	25	1	1,05	≈9,5	160	depending on required freeze protection level

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.



IMPIANTI TERMICI

Gel Termol ECO

Organic based non-toxic, antifreeze, for heating systems, cooling circuits of food processing machinery and solar panels

Organic based, concentrated, colourless, atoxic antifreeze heat transfer fluid. Formulated as an alternative to antifreeze fluids based on petroleum-derived propylene glycol. **Specific to protect against freeze the heating systems** which remain off for a period enough for freezing. **Can also be used in cooling circuits of food processing machinery and for solar panels.**

DILUTION TABLE		
GEL TERMOL ECO %	WATER%	PROTECTION TEMPERATURE
35	65	-11 °C
40	60	-14 °C
50	50	-22 °C
60	40	-31 °C



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK.	SPECIFIC WEIGHT (at 20°C)	SPECIFIC HEAT	THERMAL CONDUCTIVITY	BOILING POINT	DOSAGE
		€	kg	pcs.	kg/dm³	J/g °C	J/cm s °C	°C	%
GEL TERMOL ECO	111.011.15	—*	10	1	1,22	2,43	18,18	290	depending on required freeze protection level
GEL TERMOL ECO	111.011.20	—*	25	1	1,22	2,43	18,18	290	depending on required freeze protection level

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

Gel Termol AT
Gel Termol AT -20°

Non-toxic antifreeze based on inhibited propylene glycol for heating systems. For a protection down to -20 °C

Colourless, atoxic, antifreeze liquid based on inhibited propylene glycol. Protects against freeze the heating systems which remain off for a period enough for freezing. Also available in the version AT -20, ready for use, for a protection down to -20 °C.

PRESSURE	BOILING POINT
1 bar	103 °C
2 bar	123 °C
3 bar	140 °C

DILUTION TABLE		
GEL TERMOL AT %	WATER %	PROTECTION TEMPER.
25	75	-10 °C
33	67	-15 °C
40	60	-22 °C
50	50	-33 °C



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK.	SPECIFIC WEIGHT (at 20°C)	SPECIFIC HEAT	THERMAL CONDUCTIVITY	BOILING POINT	DOSAGE
		€	kg	pcs.	Kg/dm³	J/g °C	J/cm s °C	°C	%
GEL TERMOL AT	111.010.32	—*	25	1	1,050	2,5	20,65	167	depending on required freeze protection level
GEL TERMOL AT	111.010.50	—*	10	1	1,050	2,5	20,65	167	depending on required freeze protection level
GEL TERMOL AT -20	111.030.32	—*	25	1	1,052	2,5	18,7	103	100
GEL TERMOL AT -20	111.030.50	—*	10	1	1,052	2,5	18,7	103	100

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

HEATING SYSTEM

Gel Termol GV Gel Termol GV -20°

Antifreeze based on inhibited ethylene glycol for heating systems. For a protection down to -20 °C

Antifreeze liquid based on inhibited ethylene glycol. Protects against freeze the heating systems which remain off for a period enough for freezing. Also available in the version GV -20, ready for use, for a protection down to -20 °C.

DILUTION TABLE		
GEL TERMOL GV %	ACQUA %	PROTECTION TEMPER.
25	75	-13 °C
33	67	-20 °C
40	60	-26 °C
50	50	-37 °C



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK.	SPECIFIC WEIGHT (at 20°C)	BOILING POINT	DOSAGE
		€/cad.	CAN	PACK.	Kg/dm³	°C	%
GEL TERMOL GV	111.050.33	—*	25	1	1,12	168	depending on required freeze protection level
GEL TERMOL GV	111.050.50	—*	10	1	1,12	168	depending on required freeze protection level
GEL TERMOL GV	111.050.60	—*	5	1	1,12	168	depending on required freeze protection level
GEL TERMOL GV -20	111.051.32	—*	25	1	1,056	108	100% - without dilution for a protection down to -20 °C
GEL TERMOL GV -20	111.051.50	—*	10	1	1,070	108	100% - without dilution for a protection down to -20 °C

IMPORTANT: THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

HEATING SYSTEM

Gelphos L Gelphos L15

Anti scale anti corrosion liquid for water systems

Ready-to-use liquid product for the anti scale anti corrosion treatment of domestic and industrial water systems. Gelphos L is specific for water with hardness level higher than 15 °f. Also available in the L15 version, specific for water with hardness level lower than 15 °f. To be used with proportional metering pumps (Dosamatic PP/PPI big).



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	WATER HARDNESS	DOSAGE
		€	Kg	pcs.	Kg/dm³		°f	ppm
GELPHOS L	107.020.12	—	25	1	1,02	≈7,3	>15	60-80
GELPHOS L 15	107.025.12	—	25	1	1,02	≈7,3	<15	60-80



HEATING SYSTEM

Gelclor

Disinfectant based on **sodium hypochlorite**

(EU Regulation No. 528/2012, case no. BC-CM047420-49).

Ready-to-use liquid product based on sodium hypochlorite for water disinfection in civil and industrial water systems. To be used with proportional metering pumps (for Dosamatic PP/PPI Big).



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	ACTIVE CHLORINE CONCENTRATION	RESIDUAL CHLORINE CONCENTRATION ACTIVE
		€/cad.	Kg	pezzi	Kg/dm ³	%	ppm
GELCLOR	107.035.02	–	25	1	1,22	>10	0,2-0,4

Oxygel

Oxidising agent based on **hydrogen peroxide and silver salts**

Oxygel is a disinfectant based on hydrogen peroxide and silver salts. It is used against Legionella, as the combined action between hydrogen peroxide and silver salts has a broad spectrum disinfecting function, thus satisfying the laboratory test prEN 13623 (Chemical disinfectants and antiseptics. Bactericidal activity of product against Legionella spp.).



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	CONCENTRAZIONE PEROSSIDO DI IDROGENO ATTIVO
		€	Kg	pcs.	%
OXYGEL 5	107.035.80	–	5	1	48-50
OXYGEL 20	107.035.85	–	20	1	48-50



HEATING SYSTEM

Gel Peracetic

Strong sanitiser based on **peracetic acid**

Concentrated liquid product based on peracetic acid, to remove organic and inorganic deposits in civil and industrial water systems. Specific for disinfecting hot water cisterns and storage tanks. Able to remove scale and deposits of organic nature (biofilm). Suitable for restoring systems with Legionella problems.



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION
		€	Kg	pcs.	Kg/dm ³		
GELPERACETIC	110.100.60	—	25	1	1,15	<2	1l + 15 l water

Gelfilmex

Anti corrosion product

Gelfilmex is an anti corrosion liquid to be used in water systems, for potable and general use. Product forms a protective film which prevents direct contact between water and piping metal.



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH
		€	Kg	pcs.	Kg/dm ³	
GELFILMEX	107.011.42	—	25	1	1,05	≈8,5

COOLING SYSTEMS

Gelcid

Algaecide for cooling systems

Non-oxidising anti algae liquid product, based on quaternary ammonium salts, for cooling systems, swimming pools, fountains, fire tanks. Initial dosage: 25 ppm.



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH (at 5% solution)	MAINTENANCE DOSAGE
		€	kg	pcs.	kg/dm ³		ppm
GELCID	107.035.13	–	10	1	1,012	7	10 - 20

Poly Ice

Corrosion inhibitor for cooling systems

Anti corrosion liquid product to prevent scale due to raw water that feeds and refills cooling circuits. To be dosed directly or via proportional metering pumps.



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	FREEZING POINT	DOSAGE
		€/cad.	kg	pcs.	kg/dm ³		°C	ppm
POLY ICE	107.028.30	–	20	1	1,02	3,8	-2	40-200

STEAM GENERATORS

Polyvapour

Corrosion inhibitor for steam generators

- Specific for the treatment of steam generators fed with softened water
- Specific for the treatment of steam generators fed with demineralised water
- Specific for the treatment of steam generators of food industry



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ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DOSAGE
		€	kg	pcs.	Kg/dm ³		
POLYVAPOUR S	107.029.10	–	20	1	0,99	12	60-100 ppm
POLYVAPOUR D	107.029.20	–	20	1	0,99	12,6	10-100 ppm
POLYVAPOUR A	107.029.30	–	20	1	1,23	13,1	40 g/g O ₂

Air Force 1

Manual pump to fill heating systems

Pressure pump to fill conditioning chemicals into heating systems and clean combustion chambers of condensing boilers. To be used with Long Life 100. Supplied with Connection kit for MiniMag magnetic filter..



ITEM	ITEM CODE	UNIT PRICE	MAX PRESSURE WITH TANK FULL	MATERIAL	TANK CAPACITY
		€	bar		l
AIR FORCE 1	106.051.00	—	2	PP	1

Air Force 3

Manual filling pump

Pump to manually fill conditioning chemicals, such as anti scale, anti corrosion, flushing, protective and antifreeze chemicals into traditional or underfloor heating systems. Supplied with connections and adaptors.



ITEM	ITEM CODE	UNIT PRICE	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (ØxZ)
		€	l	bar	kg	cm
AIR FORCE 3	106.050.80	—	3	3,0	2	15x37



Descaling



Descaling and sanitising chemicals

Boiler Cleaner DP / Boiler Cleaner ECO / Boiler Cleaner DE /
Boiler Cleaner E / Boiler Cleaner LZ / Boiler Cleaner P / Boiler Cleaner PZ /
Boiler Cleaner N / Boiler Cleaner SAFE / Boiler Cleaner Economix /
Boiler Cleaner Fumi Plus

104



Descaling pumps

Baby 13 / Boy C 15 Super / Boy C 30 / Boy C Inverter / Boy C Matic /
Boy C / Boy Jet 20M / Air Force 1

110

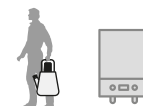


HEAT EXCHANGERS

Boiler Cleaner DP

Non fuming strong descaler for heat exchangers in copper and/or steel

Non fuming concentrated liquid product, for systems and heat exchangers in copper and steel. To be used via pumps of the Boy C and LL Superflush lines.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION (depending on level of scale)	COLOUR CHANGE INDICATOR	
		€	Kg	pcs.	Kg/dm ³		%	Active product	Exhausted product
BOILER CLEANER DP	113.030.20	—*	25	1	1,2	<1	20-40	red	yellow-orange
BOILER CLEANER DP	113.030.30	—*	10	1	1,2	<1	20-40	red	yellow-orange

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

Boiler Cleaner ECO

Non fuming eco-friendly descaler for heat exchangers in copper and/or steel

Non fuming concentrated liquid product, for systems and heat exchangers in copper and steel. To be used via pumps of the Boy C and LL Superflush lines.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION (depending on level of scale)	COLOUR CHANGE INDICATOR	
		€	Kg	pcs.	Kg/dm ³		%	Active product	Exhausted product
BOILER CLEANER ECO	113.020.20	—*	25	1	1,1	1	20-40		
BOILER CLEANER ECO	113.020.30	—*	10	1	1,1	1	20-40		

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

Boiler Cleaner DE

Strong descaler for heat exchangers in copper and/or steel

Concentrated liquid product with strong reaction, for systems and heat exchangers in copper and steel. To be used via pumps of the Boy C and LL Superflush lines.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION (depending on level of scale)	COLOUR CHANGE INDICATOR	
		€	Kg	pcs.	Kg/dm ³		%	Active product	Exhausted product
BOILER CLEANER DE	113.010.20	—*	25	1	1,15	<1	10-30	red	yellow-orange
BOILER CLEANER DE	113.010.30	—*	10	1	1,15	<1	10-30	red	yellow-orange
BOILER CLEANER DE	113.010.50	—*	5	1	1,15	<1	10-30	red	yellow-orange

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

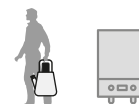


HEAT EXCHANGERS

Boiler Cleaner E

Strong descaler for heat exchangers in copper

Concentrated liquid product with strong reaction, for systems and heat exchangers in copper. To be used via pumps of the Boy C and LL Superflush lines.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION (depending on level of scale)	COLOUR CHANGE INDICATOR	
		€	Kg	pcs.	Kg/dm ³		%	Active product	Exhausted product
BOILER CLEANER E	113.005.20	—*	25	1	1,15	<1	10-20	red	yellow-orange
BOILER CLEANER E	113.005.30	—*	10	1	1,15	<1	10-20	red	yellow-orange
BOILER CLEANER E	113.005.50	—*	5	1	1,15	<1	10-20	red	yellow-orange

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Boiler Cleaner LZ

Non fuming light descaler for heat exchangers in copper, cast iron, steel, stainless steel, aluminium, brass, tin, light alloys and zinc

Non fuming concentrated liquid product, for systems and heat exchangers in copper, cast iron, steel, stainless steel, aluminium, brass, tin, light alloys and galvanised surfaces. To be used via pumps of the Boy C and LL Superflush lines.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION (depending on level of scale)	COLOUR CHANGE INDICATOR	
		€	Kg	pcs.	Kg/dm ³		%	Active product	Exhausted product
BOILER CLEANER LZ	113.070.85	—*	25	1	1,2	<1,5	20-30	red	yellow-orange
BOILER CLEANER LZ	113.070.90	—*	10	1	1,2	<1,5	20-30	red	yellow-orange

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.



HEAT EXCHANGERS

Boiler Cleaner P / PZ

Non fuming powdered descaler for heat exchangers in copper, cast iron, steel, stainless steel, aluminium, brass, tin, light alloys and zinc

Non corrosive non fuming concentrated product in powder, for systems and heat exchangers in copper, cast iron, steel, stainless steel, aluminium, brass, tin and light alloys. To be used via pumps of the Boy C and LL Superflush lines.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH (1% solution)	DILUTION (depending on level of scale)	COLOUR CHANGE INDICATOR	
		€						Active product	Exhausted product
BOILER CLEANER P	113.050.15	—*	25	1	1,6	1,2	10-15	red	yellow-orange
BOILER CLEANER P	113.050.50	—*	10	1	1,6	1,2	10-15	red	yellow-orange
BOILER CLEANER P	113.050.70	—*	1,5	20	1,6	1,2	10-15	red	yellow-orange
BOILER CLEANER PZ	113.070.15	—*	25	1	1,6	1,2	10-15	red	yellow-orange
BOILER CLEANER PZ	113.070.50	—*	10	1	1,6	1,2	10-15	red	yellow-orange
BOILER CLEANER PZ	113.070.70	—*	1,5	20	1,6	1,2	10-15	red	yellow-orange

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

Boiler Cleaner N

Neutraliser for system protection to remove residual acidity after descaling

Concentrated product in powder to remove residual acidity after descaling. Also suitable for neutralising the exhausted liquid once descaling is complete. To be used via Boy C pumps.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH (10% solution)	DOSAGE
		€					
BOILER CLEANER N	113.130.45	—*	25	1	1,2	13	3-5
BOILER CLEANER N	113.130.30	—*	10	1	1,2	13	3-5
BOILER CLEANER N	113.130.50	—*	1	20	1,2	13	3-5

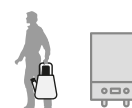
***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.



SANITARY WATER SYSTEM

Boiler Cleaner Safe

Descaler for hot water sanitary systems



- Non-aggressive on pipes and components
- Does not cause corrosion
- No need to neutralise
- Safe to use with all metals including aluminium
- Easy to use
- Concentrated product
- Environmentally safe



Concentrated liquid product to descale hot sanitary water systems. To be used via Boy C and/or LL Superflush pumps. **How to use:** dilute product at 10%-20% according to the level of scale, follow the indications on the label. After descaling, rinse the system with clean water.

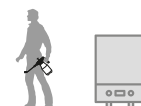
ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DILUTION (depending on level of scale)
		€/cad.	Kg	pezzi	Kg/dm ³		%
BOILER CLEANER SAFE	109.080.55	—*	25	1	1,15	1	10-20
BOILER CLEANER SAFE	109.080.57	—*	5	1	1,15	1	10-20
BOILER CLEANER SAFE	109.080.52	—*	1	12	1,15	1	10-20

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.



COMBUSTION CHAMBER OF CONDENSING BOILERS

Boiler Cleaner Economix



Descaler to clean the combustion chamber of **condensing boilers**

- **Safe to use with all metals**, including aluminium
- Easy to use and **ready to use**
- Fast action
- Concentrated product
- NON-harmful product



Ready-to-use liquid product to clean the combustion chamber of condensing boilers. **Safe to use with all metals, including aluminium.** To be used via Air Force 1 pressure pump (106.051.00).

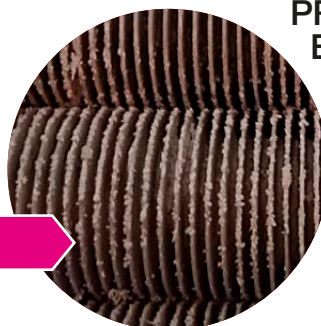


How to use

Spray **BOILER CLEANER ECONOMIX** on the scaled surfaces with the **AIR FORCE 1** pressure pump until the parts are completely wet. Leave the product to act for 10-15 minutes. At the end of the contact period, carefully brush the fouled areas with a nylon brush with bristles. At the end of the contact time, brush the scaled parts thoroughly with a nylon brush with stiff bristles and wash the combustion chamber thoroughly with water under pressure.

PRIMARY HEAT EXCHANGER

BEFORE
CLEANING



AFTER CLEANING
WITH ECONOMIX



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DOSAGE
		€	Kg	pcs.	Kg/dm ³		
BOILER CLEANER ECONOMIX	131.061.30	—*	1	6	1,004	3,2	Air Force 1 pump

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.



COMBUSTION CHAMBER OF CONDENSING BOILERS

Boiler Remover A / B

Cleaner / descaler to clean the combustion chamber of **condensing boilers**

Ready-to-use liquid products to clean the combustion chamber of condensing boilers, to be used in sequence: first Boiler Remover A (cleaner), then Boiler Remover B (descaler). Remover B (descaler). Use recommended via the pressure pump (106.051.00).



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DOSAGE
		€	Kg	pcs.	Kg/dm ³		%
BOILER REMOVER A (BASICO)	131.061.10	—*	5	1	1,15	≈13	via 1 l. pressure pump
BOILER REMOVER B (ACIDO)	131.061.20	—*	5	1	1,2	≈1 in soluzione 1%	via 1 l. pressure pump

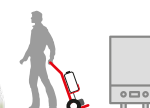
***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

COMBUSTION CHAMBER OF CONDENSING BOILERS

Boiler Cleaner Fumi Plus

Degreaser and descaler to clean the combustion chamber of **traditional boilers**

Odourless liquid product with descaling and degreasing action to clean the fireside of boilers. To be sprayed via Boy Jet 20 M or Air Force pump directly in the combustion chamber whilst boiler is off. Boiler Cleaner Fumi Plus 1 Kg is ready to use.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	DOSAGE
		€	Kg	pcs.	Kg/dm ³		%
BOILER CLEANER FUMI PLUS	129.020.20	—*	25	1	1,2	11	20-50
BOILER CLEANER FUMI PLUS	129.020.35	—*	10	1	1,2	11	20-50
BOILER CLEANER FUMI PLUS	129.020.45	—*	1	12	1,2	11	-

***IMPORTANT:** THIS PRODUCT IS SUBJECT TO SIGNIFICANT MARKET FLUCTUATIONS. WE RECOMMEND CONTACTING THE SALES DEPARTMENT FOR AN UPDATED QUOTATION.

Baby 13

Descaling pump with flow reverser.
With shoulder strap for easy carrying

Pump for descaling coils of boilers and of small heat exchangers. Equipped with flow reverser.



GEL
PATENT



THE ORIGINAL

ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROT.*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (LxHxZ)
		€	V - Hp	IP	l/min		l	bar	kg	cm
BABY 13	121.300.00	—	230 - 0,15	54	28	1/2"	13	1,0	8	46x28x52

* Referred to the motor

Boy C 15 Super

Descaling pump with flow reverser

Pump for descaling coils of boilers, heat exchangers, cooling circuits, water heaters and evaporation towers. Recommended for difficult descaling operations.



GEL
PATENT



THE ORIGINAL

ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROT.*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (LxHxZ)
		€	V - Hp	IP	l/min		l	bar	kg	cm
BOY C 15 SUPER	121.031.00	—	230 - 0,15	54	33	1/2"	15	1,2	9,2	35x48

* Referred to the motor

Boy C 30

Descaling pump with flow reverser
for difficult descaling operations

Pump for descaling coils of boilers, heat exchangers, cooling circuits, water heaters and evaporation towers. Recommended for difficult descaling operations.



BREVETTO
GEL



THE ORIGINAL

ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROT.*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (LxHxZ)
		€	V - Hp	IP	l/min		l	bar	kg	cm
BOY C 30	121.070.00	—	230 - 0,45	54	39	1/2"	24	1,5	11,7	40x63

* Referred to the motor



If you are looking for a descaling and power flushing pump, go to **page 80**

Boy C Inverter

Descaling pumps
with flow reverser

Pump for descaling coils of boilers, heat exchangers, cooling circuits, water heaters and evaporation towers.

Recommended for difficult descaling operations.



THE ORIGINAL

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ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROT.*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (LxHxZ)
		€	V - Hp	IP	l/min		l	bar	kg	cm
BOY C 190	121.150.00	—	230 - 0,75	54	102	1"	100	1,8	18,8	53x72
BOY C 230	121.190.00	—	230 - 0,75	54	102	1"	200	1,8	23,2	67x85

* Referred to the motor

Boy C Matic

Descaling pumps
with automatic flow reverser

- **Simple and intuitive** control panel that optimizes the work of professionals
- Possibility to choose **manual or automatic** flow reverser by simply pressing a key
- the LEDs indicate the flow direction



15 Matic

30 Matic

Pump for descaling coils of boilers, heat exchangers, cooling circuits, water heaters and evaporation towers. Recommended for difficult descaling operations.

ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROT.*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (LxHxZ)
		€	V - Hp	IP	l/min		l	bar	kg	cm
WITH AUTOMATIC FLOW REVERSE										
BOY C15 MATIC	121.035.00	—	230 - 0,15	54	33	1/2"	15	1,0	6,0	35x48
BOY C30 MATIC	121.075.00	—	230 - 0,45	54	44	1/2"	24	1,5	10,5	40x63

* Referred to the motor

If you are looking for a descaling and power flushing pump, go to **page 80**

Boy C

Descaling pumps

Pumps for descaling coils of boilers, heat exchangers, cooling circuits, water heaters and evaporation towers. The models fitted with flow reverser and automatic flow reverser are recommended for difficult descaling operations. The BOY C 200 model is a horizontal axle pump, magnetically coupled and not self priming. Recommended for descaling coils of large heat exchangers, large water heaters, large cooling circuits and large evaporation towers.



10

180

200

ITEM	ITEM CODE	UNIT PRICE	MOTOR	DEGREE OF PROT.*	MAX FLOW RATE	CONNECT.	TANK CAPACITY	PRESS.	WEIGHT	DIMENS. (LxHxZ)
		€	V - Hp	IP	l/min		l	bar	kg	cm
BOY C 10	121.010.00	—	230 - 0,15	54	28	1/2"	15	1,0	8,2	35x48
BOY C 20	121.050.00	—	230 - 0,45	54	39	1/2"	24	1,5	11,6	40x63
BOY C 180	121.130.00	—	230 - 0,75	54	102	1"	100	1,8	18,8	53x72
BOY C 220	121.170.00	—	230 - 0,75	54	102	1"	200	1,8	23,2	67x85
BOY C 200**	121.220.00	—	230 - 1,5	54	330	1 1/2" x 40 mm (inlet) 1 1/4" x 32 mm (flow)	-	1,8	22	25x45x25

* Referred to the motor - ** Ask for availability

Air Force 1

Manual pump to clean the combustion chamber of condensing boilers

Pressure pump clean combustion chambers of condensing boilers and to fill conditioning chemicals into heating systems. To be used with Boiler Cleaner Economix.



ITEM	ITEM CODE	UNIT PRICE	MAX PRESSURE WITH TANK FULL	MATERIAL	TANK CAPACITY
		€/cad.	bar		l
AIR FORCE 1	106.051.00	51,00	2	PP	1

Spare parts and accessories for descaling pumps

ITEM	ITEM CODE	UNIT PRICE	DESCRIPTION
		€/cad.	
ADAPTORS KIT 10-130	600.233.10	17,80	2 pcs. hose fittings with seal (1/2") F + cap
ADAPTORS KIT 180-230	600.234.10	17,90	2 pcs. hose fittings with seal (1") F
THREAD KIT OF ADAPTORS	600.060.10	36,80	2 pcs (1/2-3/8") MF; 2 pcs (1/2-3/8") MM; 2 pcs (3/4-1/2") MM; 2 pcs (3/4-3/4") FF (suitable for BOY C 10 - 15 - 20 - 30 - 120 - 130 - BABY 13)
HOSES MT 2X2 + FITTINGS	600.330.10	26,80	Transparent hose 2x2 with 1/2" fitting
PP BOLT 10 MA	472.005.40	0,31	-
PP BOLT 8 MA	472.005.30	0,29	-



Multi surface disinfectants and sanitising cleaners



Disinfectants

Oxygel+ / Climapur / Climapur foam / Gelclor / Oxygel

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MULTI SURFACE DISINFECTANTS **READY TO USE**

Oxygel+

Disinfectant degreaser for hard surfaces
based on hydrogen peroxide

The combined action of hydrogen peroxide and surfactants allows disinfection of all treated surfaces. Spray the product directly onto the surface to be disinfected until the wet effect is achieved. Wait 2 minutes, wipe with a clean cloth and leave to dry. No need to rinse.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€		pcs.
OXYGEL+ SPRAY	107.035.78	–	900 ml	12
OXYGEL+ REFILL 900 ML	107.035.79	–	900 ml	12
OXYGEL+ REFILL 5 L	107.035.76	–	5 l	1
OXYGEL+ REFILL 20 L	107.035.77	–	20 l	1

MULTI SURFACE DISINFECTANTS

READY TO USE

Climapur

Hydrogen peroxide-based air-conditioning system
disinfectant

Effective against impurities deposited on air conditioning systems. Spray onto surfaces to be cleaned, wait 10-15 minutes and rinse thoroughly with water. Please refer to the safety data sheet for details on safe handling, use and storage of the product.



ARTICLE	CODE	PRICE	CANISTER	PACKAGING
		€/each	Kg	pieces
CLIMAPUR SPRAY	133.010.55	–	900 ml	12
CLIMAPUR	133.010.50	–	5 Kg	1

Climapur Foam

Hygienic cleaning foam for air conditioning systems
based on non-ionic surfactants

Ready-to-use product, effective for easily removing dirt and grease residues on finned coil packs of convectors and air conditioner filters.

Spray Climapur Foam on the surface to be treated, wait 15' then remove by spraying with clean water. Please refer to the safety data sheet for details on safe handling, use and storage of the product.

SCENTED



ARTICLE	CODE	PRICE	CANISTER	PACKAGING
		€/each	ml	pieces
CLIMAPUR FOAM	133.010.65	–	400	12

MULTI SURFACE DISINFECTANTS AND SANITISERS DA DILUIRE

Gelclor

Multi surface **disinfectant** based on sodium hypochlorite. Product in conformity with the BPR Regulation.

(EU Regulation No. 528/2012, case no. BC-CM047420-49).

Dilute 500 ml of product in 5 litres of water. Protect hands and face when handling.



AGAINST VIRUSES
AND BACTERIA



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	ACTIVE CHLORINE CONCENTRATION	RESIDUAL ACTIVE CHLORINE CONCENTRATION
		€		pcs.	Kg/dm ³	%	ppm
GELCLOR	107.035.02	—	25	1	1,22	>10	0,2-0,4

Oxygel

Multi surface sanitising cleaner based on hydrogen peroxide and silver salts.

Dilute 500 ml of product in 5 litres of water. Protect hands and face when handling.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€		pcs.
OXYGEL 5	107.035.80	—	5	1
OXYGEL 20	107.035.85	—	20	1



Over the counter technical products



Over the counter products

WC Cleaner / ResiClean / Detex Plus / Cleaner DEC /
Gelock / Gel Gas Detector / Gel Print Plus / Gel Cleaner Spray

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ResiClean

Cleaner and regenerator for softener resins

Ready-to-use concentrated acidic solution to remove inorganic deposits that accumulate in the ion exchange resins of softeners. Pour 15 ml of product per litre of resin into the brine tank of the softener and start a manual regeneration.



ITEM	ITEM CODE	UNIT PRICE	PACK	USE
		€	pcs.	
250 ML RESICLEAN	109.081.60	—	12	For all models of water softeners
1 LITRE RESICLEAN	109.081.65	—	6	For all models of water softeners
5 LITRE RESICLEAN	109.081.70	—	1	For all models of water softeners

WC Cleaner

Descaler for toilet tanks

Ready-for-use liquid descaler able to dissolve calcium deposits on toilet tanks. Restores proper operation of floats and stops toilets continually running, which make ceramic yellowish.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	SPECIFIC WEIGHT	pH	COLOUR CHANGE INDICATOR	
		€	Kg	pcs.	Kg/dm ³		Active product	Exhausted product
WC CLEANER	113.005.80	—	1	6	1,15	<1	red	yellow-orange

Gel Cleaner Spray

Spray degreaser and cleaner to clean heads of burners and nozzles.
Releaser and lubricant

Spray degreaser and cleaner able to remove combustion residues from the heads of burners and nozzles. Also able to release oxidised bolts and nuts.



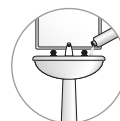
ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€	ml	pcs.
GEL CLEANER SPRAY	133.050.00	—	400	12

Gel Print Plus

Drain cleaner

Ready-to-use concentrated alkaline liquid drain cleaner for dissolving obstructions in drains (grease residues, soaps, lime scale, hair, etc.).

Complies with Regulation (EU) 2019/1148.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€	ml	pcs.
GEL PRINT PLUS	185.200.20	—	1000	6

Gel Print

Drain cleaner

Cleaner for drains, toilets and washbasins, able to dissolve most difficult obstructions.

NOTE: Use diluted if the siphon is made of plastic.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€	ml	pcs.
GEL PRINT	185.200.10	—	750	6

Gelock

Sealer for threaded joints

Anaerobic sealer for threaded joints, approved for gas, lpg and water (DIN-DVGW 30661). Forms a gummy elastic film guaranteeing a perfect seal even if there are vibrations.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€	ml	pcs.
GELOCK	180.300.10	—	100	24

Gel Gas Detector

Spray gas leak detector

Spray gas leak detector, even with minimum pressures up to 0,02 bar, on piping of methane, gas, lpg, oxygen, hydrogen, nitrogen, argon, chlorine, CO₂, ethylene oxides, methylene, air.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€		pcs.
GEL GAS DETECTOR	133.055.50	—	400 ml	12

Detex Plus

Cleaner for finned batteries

Liquid product with cleaning and sanitising action, for finned batteries of air conditioners, refrigeration systems and convectors. To be used by immersion or by spraying via Boy Jet 20 M pump. Not suitable for aluminium.

Dilution: 20 ÷ 30%



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK	pH
		€	Kg	pcs.	
DETEX PLUS	133.010.20	—	25	1	10
DETEX PLUS	133.010.35	—	10	1	10

Cleaner DEC

Cleaner for parts in copper, brass and its alloys

Ready-for-use liquid product to remove deposits, metal oxides on components in copper, brass and its alloys. To be used by immersion of the component. After use spray the treated component.



ITEM	ITEM CODE	UNIT PRICE	CAN	PACK
		€	Kg	pcs.
CLEANER DEC	131.060.20	—	5	1



Meters and test kits



Meters and test kits

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	ITEM	PACK	ITEM CODE	UNIT PRICE	DESCRIPTION
		pcs.		€	
	CONDUCTIVITY TESTER	1	155.010.11	—	Pocket conductivity tester 0-20.000 µS/cm
	CONDUCTIVITY TESTER	1	155.010.08	—	Pocket conductivity tester 0-1999 µS/cm
	CONDUCTIVITY CALIBRATION SOLUTION	25 bags 20 ml. each	155.010.15	—	Specific solution for calibrating conductivity tester
	PH TESTER	1	155.010.20	—	Pocket pH tester
	CALIBRATION SOLUTION PH 4-7	5 + 5 bags 20 ml. each	155.010.25	—	Specific solution for calibrating pH tester from pH 4 to 7
	CALIBRATION SOLUTION pH 7-10	5 + 5 bags 20 ml. each	155.010.26	—	Specific solution for calibrating pH tester from pH 7 to 10
	FREE CHLORINE METER	1	155.011.26	—	Pocket electronic meter to measure free chlorine
	FREE CHLORINE REAGENT KIT	25 test	155.011.43	—	Reagents to measure free chlorine
	IRON METER	1	155.011.27	—	Pocket electronic meter to measure iron
	IRON REAGENT KIT	25 test	155.011.44	—	Reagents to measure iron
	POLYAMINES TEST KIT	1	471.001.26	—	Check test for POLY AP inhibitor level

	ITEM	PACK	ITEM CODE	UNIT PRICE	DESCRIPTION
		pcs.		€	
	INHIBITOR TEST KIT	1	155.011.50	–	Check test for inhibitor level LL 100 o LL 100 COMBI
	INHIBITOR TEST STRIPS	1	155.011.55	–	50 strips to test the level of the LL100 or LL 100 COMBI inhibitor.
	BIO TEST KIT	10	155.011.60	–	Check test for bacterial load
	REFRACTOMETER	1	155.011.80	–	Tool for testing freeze protection level
	REFRACTOMETER FOR GEL TERMOL ECO	1	155.011.85	–	Tool for testing protection level and concentration of GEL TERMOL ECO
	IR THERMOMETER	1	155.011.90	–	Thermometer for temperature measurement
	TEST PH 1-14 STRIPS		155.011.58	–	50 Analytical strips to test pH
	BOILER ALKALINITY KIT		471.001.00	–	Kit to measure alkalinity. Colour change test
	SINGLE BOTTLE HARDNESS KIT		471.000.11	–	Kit to measure hardness. Colour change test
	CHLORINE DIOXIDE TEST KIT		471.001.24	–	Kit to measure chlorine dioxide. Colorimetric test
	OXYGEL TEST KIT		155.015.67	–	Kit to measure hydrogen peroxide - 0-25 ppm
	TEST KIT FOR SHOCK CHLORINATION		155.015.25	–	

	ITEM	PACK	ITEM CODE	UNIT PRICE	DESCRIPTION
		pcs.		€	
	MINILAB CASE 9 KITS		155.000.10	–	Includes the 9 above-mentioned kits
	HARDNESS TEST KIT		471.000.15	–	Kit to measure hardness. Colour change test (1)
	UNIVERSAL PH TEST KIT		471.000.20	–	Kit to measure pH. Colorimetric test (2)
	CHLORINE TEST KIT		471.000.30	–	Kit to measure chlorine. Colorimetric test (3)
	CHLORIDES TEST KIT		471.000.40	–	Kit to measure chlorides. Colour change test (4)
	IRON TEST KIT		471.000.50	–	Kit to measure dissolved iron. Colorimetric test (5)
	NITRATES TEST KIT		471.000.60	–	Kit to measure nitrates. Colorimetric test (6)
	PHOSPHATES TEST KIT		471.000.70	–	Kit to measure phosphates. Colorimetric test (7)
	AMMONIA TEST KIT		471.000.80	–	Kit to measure ammonia. Colorimetric test (8)
	NITRITES TEST KIT		471.000.90	–	Kit to measure nitrites. Colorimetric test (9)

Regulations



The Council Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption

COUNCIL DIRECTIVE 98/83/EC of 3 November 1998

Its objective is to protect human health from adverse effects of any contamination of water intended for human consumption by ensuring that it is wholesome and clean.

The Directive applies to:

- all distribution systems serving more than 50 people or supplying more than 10 cubic meter per day, but also distribution systems serving less than 50 people/supplying less than 10 cubic meter per day if the water is supplied as part of an economic activity;
- drinking water from tankers;
- drinking water in bottles or containers;
- water used in the food processing industry, unless the competent national authorities are satisfied that the quality of the water cannot affect the wholesomeness of the foodstuff in its finished form.

The Directive doesn't apply to:

- natural mineral waters recognised as such by the competent national authorities, in accordance with Council Directive 80/777/EEC of 15 July 1980 on the approximation of the laws of the Member States relating to the exploitation and marketing of natural mineral waters and repealed by Directive 2009/54/EC of 18 June 2009 on the exploitation and marketing of natural mineral waters; and
- waters which are medicinal products within the meaning of Council Directive 65/65/EEC of 26 January 1965 on the approximation of provisions laid down by law, regulation or administrative action relating to medicinal products and repealed by Directive 2001/83/EC of 6 November 2001 on the Community code relating to medicinal products for human use.

The Directive laid down the essential quality standards at EU level. A total of 48 microbiological, chemical and indicator parameters must be monitored and tested regularly. In general, World Health Organization's guidelines for drinking water and the opinion of the Commission's Scientific Advisory Committee are used as the scientific basis for the quality standards in the drinking water.

When translating the Drinking Water Directive into their own national legislation, Member States of the European Union can include additional requirements e.g. regulate additional substances that are relevant within their territory or set higher standards. Member States are not allowed, nevertheless, to set lower standards as the level of protection of human health should be the same within the whole European Union.

Member States may, for a limited time depart from chemical quality standards specified in the Directive (Annex I). This process is called "derogation". Derogations can be granted, provided it does not constitute a potential danger to human health and provided that the supply of water intended for human consumption in the area concerned cannot be maintained by any other reasonable means.

The Directive also requires providing regular information to consumers. In addition, drinking water quality has to be reported to the European Commission every three years. The scope of reporting is set out in the Directive. The Commission assesses the results of water quality monitoring against the standards in the Drinking Water Directive and after each reporting cycle produces a synthesis report, which summarizes the quality of drinking water and its improvement at a European level.



Directive 2002/91/EC of the European Parliament and of the Council of 16 December 2002 on the energy performance of buildings.

DIRECTIVE 2002/91/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2002

The four key points of the Directive are:

- a common methodology for calculating the integrated energy performance of buildings;
- minimum standards on the energy performance of new buildings and existing buildings that are subject to major renovation;
- systems for the energy certification of new and existing buildings and, for public buildings, prominent display of this certification and other relevant information. Certificates must be less than five years old;
- regular inspection of boilers and central air-conditioning systems in buildings and in addition an assessment of heating installations in which the boilers are more than 15 years old.

The common calculation methodology should include all the aspects which determine energy efficiency and not just the quality of the building's insulation. This integrated approach should take account of aspects such as heating and cooling installations, lighting installations, the position and orientation of the building, heat recovery, etc.

The minimum standards for buildings are calculated on the basis of the above methodology. The Member States are responsible for setting the minimum standards.

Scope

The Directive concerns the residential sector and the tertiary sector (offices, public buildings, etc.). The scope of the provisions on certification does not, however, include some buildings, such as historic buildings, industrial sites, etc. It covers all aspects of energy efficiency in buildings in an attempt to establish a truly integrated approach.

The Directive does not lay down measures on moveable equipment such as household appliances. Measures on labelling and mandatory minimum efficiency requirements have already been implemented or are envisaged in the Action Plan for Energy Efficiency.

Certificates, minimum standards and inspections

Energy performance certificates should be made available when buildings are constructed, sold or rented out.

The Directive specifically mentions rented buildings with the aim of ensuring that the owner, who does not normally pay the charges for energy expenditure, should take the necessary action. Furthermore, the Directive states that occupants of buildings should be enabled to regulate their own consumption of heat and hot water, in so far as such measures are cost effective.

The Member States are responsible for drawing up the minimum standards. They will also ensure that the certification and inspection of buildings are carried out by qualified and independent personnel.

The Commission, with the assistance of a committee, is responsible for adapting the Annex to technical progress. The Annex contains the framework for the calculation of energy performances of buildings and the requirements for the inspection of boilers and of central air conditioning systems.

Background

The Directive forms part of the Community initiatives on climate change (commitments under the Kyoto Protocol) and security of supply (the Green Paper on security of supply). Firstly, the Community is increasingly dependent on external energy sources and, secondly, greenhouse gas emissions are on the increase. The Community can have little influence on energy supply but can influence energy demand. One possible solution to both the above problems is to reduce energy consumption by improving energy efficiency.

Energy consumption for buildings-related services accounts for approximately one third of total EU energy consumption. The Commission considers that, with initiatives in this area, significant energy savings can be achieved, thus helping to attain objectives on climate change and security of supply. Community-level measures must be framed in order to deal with such Community-level challenges.

This Directive is a follow-up to the measures on boilers (92/42/EEC), construction products (89/106/EEC) and SAVE programme provisions on buildings.

Though there is already a directive on the energy certification of buildings (Directive 93/76/EEC repealed by Directive 2006/23/32/EC), it was adopted in a different political context before the Kyoto agreement and the uncertainties with the security of energy supply in the Union. It does not have the same objectives as Directive 2002/91/EC. The latter is an additional instrument, proposing concrete action to fill any existing gaps.

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more heat
at the lowest cost

**A state-of-the-art system
will allow you to save money...**

**and you customer
will appreciate that!**





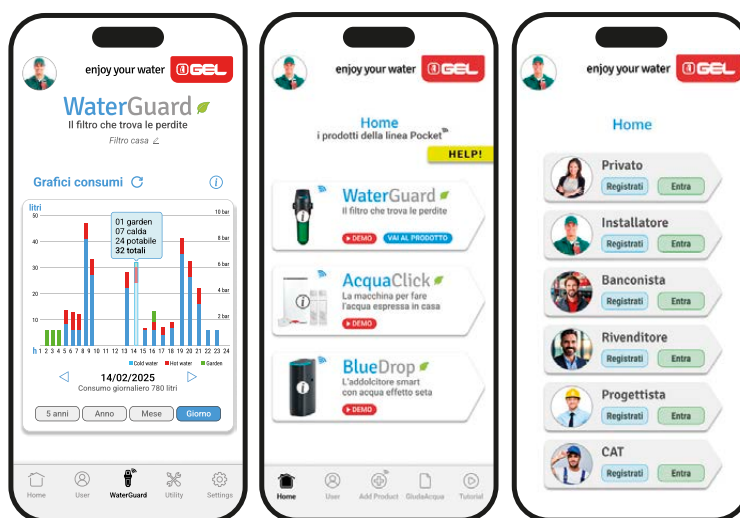
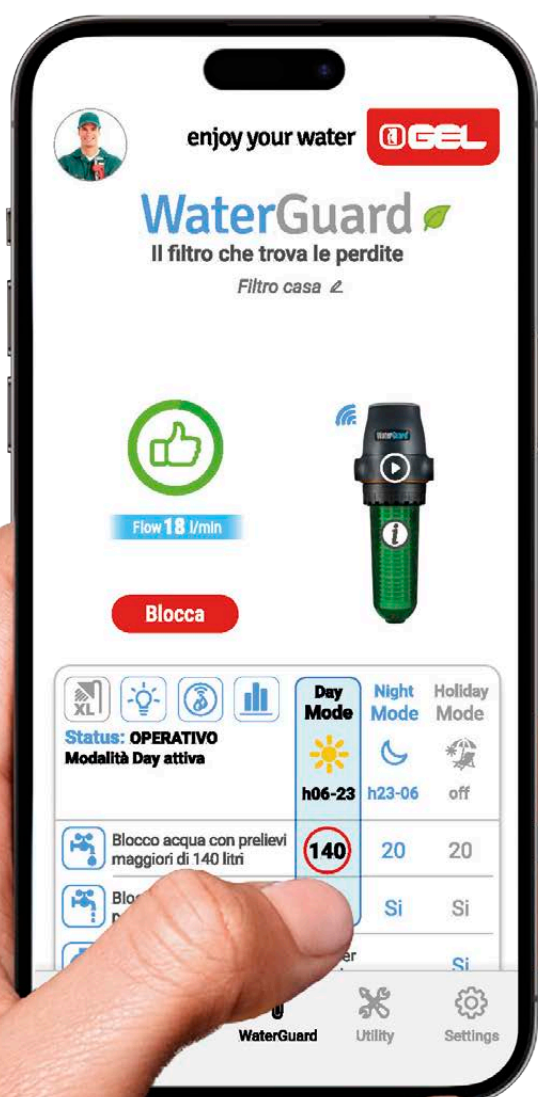


GEL POCKET WATER

NEXT GENERATION OF WATER EQUIPMENT



ZC103017



GEL POCKET WATER is an innovative application entirely dedicated to water treatment.

In addition to viewing the complete catalogue of GEL products you can take advantage of various functions.

- Homeowners can **remotely monitor the operation of GEL products installed in their homes and intervene if necessary.**
- Installers can **request free water analysis for their customers' thermal circuits** by filling out the request form and sending a water sample to the company.
- Designers can **easily connect to the "Progetto Acqua" platform** to size in complete autonomy, the water treatment equipment and draw up the offer
- Technical assistance teams **will have access to all the necessary technical documentation.**

What are you waiting for?

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**GEL
POCKET
WATER**

