

REFINER[®] AG



WATER CARE
FILTERS



RAPID SYSTEM CONNECTION

REFINER[®] AG

The REFINER Ag filter acts as a triple action filter system:

- **Mechanical filtering action**, developed by a membrane made of polyethylene fibres, with a large surface filtering 0.5 microns, with special discharge. That guarantees a requalification of suspended microparticles, mold and rust;
- **Chemical absorption action**, developed by the active carbon, obtained from coconut, which eliminates the excess chlorine and also toxic metals and organic compounds;
- **Ag principle**, the silver salts with which the carbon is impregnated, plays an important bacteriostatic role in prevent bacteria from multiplying inside the filter.

We recommend the use of our REFINER Ag cartridge:

- under sink installation;
- drinking water sampling points for use in foodstuffs;
- as the last stage of filtering in the multiple filtering.



Filters with **RAPID SYSTEM CONNECTION** combined with a special head.

The connection is compatible with the heads of the main products on the market.

Filter	Code	Height	Diameter	Flow	Autonomy
REFINER AG 250	R11940	268 mm	Ø 79 mm	200 l/h**	10.000 l*
REFINER AG 350	R11941	385 mm	Ø 79 mm	350 l/h**	15.000 l*
REFINER AG 500	R11942	535 mm	Ø 79 mm	420 l/h**	35.000 l*

*For the calculation of autonomy, the presence of 1 ppm of chlorine in the water to be treated is considered.

** The flow may vary depending on the incoming pressure.



RS

CP

AVAILABLE WITH CONNECTIONS:
RAPID SYSTEM



ONLY FOR USE
WITH DRINKING WATER

EQUIPMENT COMPLIES WITH:
D.M. 25/2012 - D.M. 174/2004

Vertical operation. Temperature: to 3°C from 30°C (39°-92°F) **Operating pressure:** to 1 from 7 bar (15-100 psi) no shock.

WARNING: this equipment needs regular periodic maintenance in order to ensure the drinking water requirements and the maintenance of improvements as declared by the manufacturer. Do not use with non-potable water. After long periods of inactivity (3/4 weeks) carefully sanitize the hydraulic system downstream of the filter or replace the filter.

RAPID SYSTEM CONNECTION

REFINER[®] AG

The silver-plated version of the REFINER filter has been developed with the aim of ensuring optimal water purification through an effective filtering action.

It combines the action of a static membrane with pre-coat effects ensuring optimal filtration and effective water treatment.

The "Ag" technology is the main innovation of the system, as it is able to effectively prevent bacterial proliferation thanks to its oxidizing action.

REFINER Ag from Water Care Filters predicts the chemical and physical composition of drinking water and maintains parameters such as pH, hardness and conductivity.

REFINER Ag filters are recommended for different industries, including domestic use for drinking and cooking and beverage distribution.

- Maximum safety and degree of filtration;
- Minimum flow loss and maximum flow rate;
- High autonomy;
- Bacteriostatic



Pesticides



Chemical



Microplastics

RAPID SYSTEM CONNECTION

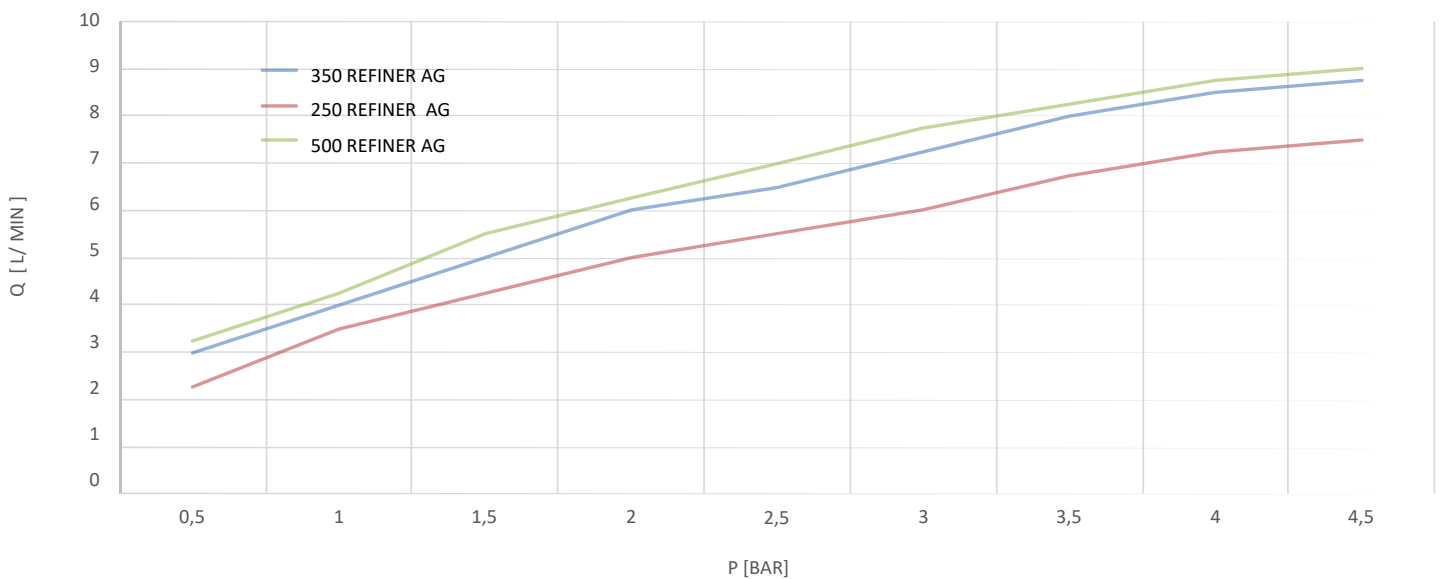
REFINER[®] AG

PERFORMANCE: FLOW- PRESSURE

The purpose of the test is to define a flow/pressure curve typical of the REFINER Ag filter.

The filter was installed in a circuit fed with mains water at room temperature. After initial flushing of 50 liters used to ensure the expulsion of the finest micro dust and the correct distribution of coal on the pleated membrane, the pressure was manually increased in steps of 0.5 bar and the corresponding flow rate was read on a flowmeter and recorded.

Below is the graph resulting from the data collected concerning the three REFINER Ag filter models:



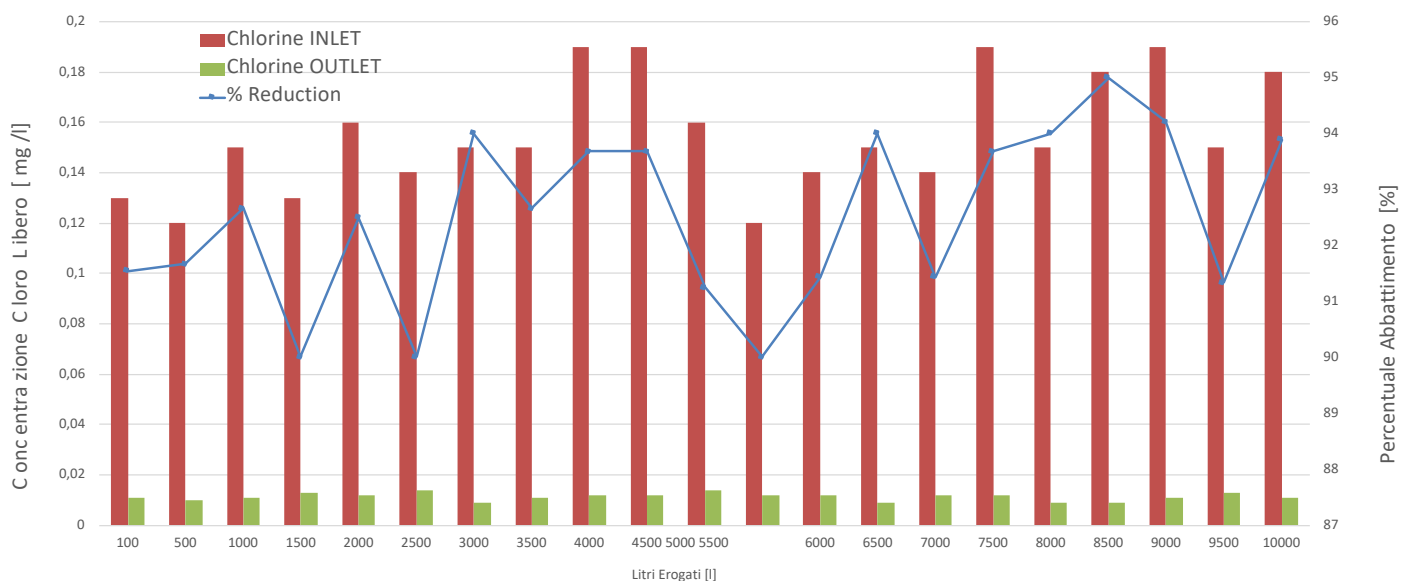
Flow rate is a parameter that strongly depends on the quality of the feed water; therefore a high level of water contamination (high SDI, high content of suspended solids) is reflected in a reduced filter flow rate and lifetime.

RAPID SYSTEM CONNECTION

REFINER[®] AG

PERFORMANCE: REFINER 250 FILTER LIFE

The purpose of the test is to establish the efficiency of the REFINER Ag system to reduce the free chlorine present in the mains water. Below is the graph of the collected data:



The REFINER Ag filter, in reference to a delivery of 10000 liters and with an input chlorine concentration between 0.15 and 0.20mg/l (as per regulations), has been shown to ensure a reduction of more than 90% throughout its life.

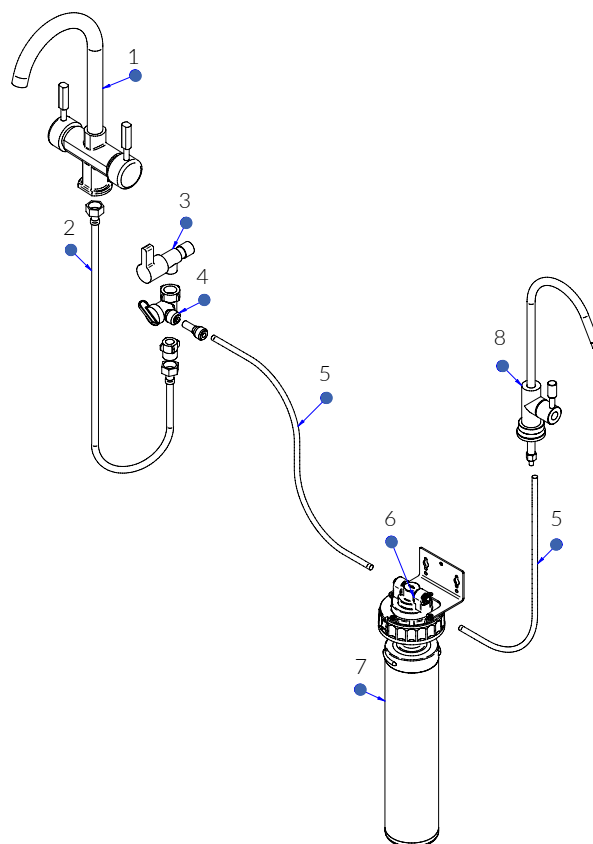
Similar tests performed on refiner 350 and 500 filters showed the same level of abatement >90%

RAPID SYSTEM CONNECTION

REFINER[®] AG

REFINER Ag filters guarantee high capacity and autonomies as well as low loss of load.

- Does not require electricity
- Disposable filter
- Easy installation and substitution
- The appliance must operate in a vertical position
- Better taste
- Reduction of chlorine
- Bacteriostatic
- Reduction of suspended microparticles
- Technology: PreCoat, powdered activated carbon
- Filtering degree: 0.5 µm with Ag
- Autonomy: (see table below) variable according to the quantity of water in the entry, the flow, the pressure and the use of the filter.
- Flow: (see table below)
- Temperature: 3-30° C (36-92° f)
- Pressure: 1-7 bar (15-100 psi), non shock
- Activation: It's recommended to flow the water through the filter to the maximum pressure and with the maximum course of the equal to 5 min to clean the cartridge
- Cartridge replacement: It's recommended to change the product once a year or every 6 month when its autonomy is over or when the flow is too slow (e.g. when goes down to 2 l/min)



Parameter	Legal limits	Inlet water	Output water
Cl [mg/l]	0,2	0,19	0
pH	6,5 ≤ pH ≤ 9,5	7,5	7,4
EC [µS/cm]	2500	628	615
Fe [mg/l]	Fe ≤ 0,2	0,1	0
SO4 [mg/l]	250	29,5	25,2
hardness [°f]	15-50	31	29

RS

CP

AVAILABLE WITH CONNECTION:
RAPID SYSTEM - COMPACT



ONLY FOR USE
WITH DRINKING WATER

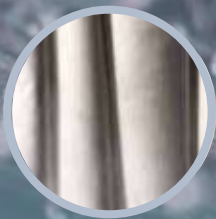
EQUIPMENT COMPLIES WITH:
D.M. 25/2012 - D.M. 174/2004

The filter must work in an upright position, it cannot be placed horizontally. This is to prevent the formation of air pockets inside the cartridge that could create preferential routes for water by reducing the filtering capacity and the effectiveness of the filter.

Filter mounting diagram: ① Sink faucet ② Water supply ③ Water outlet water supply ④ Withdrawal valve ⑤ Tube PE 8X6 JG ⑥ Filterholder head ⑦ WCF filter ⑧ American Style mod. tap

INTERNAL SECTION

RENDER 3D



Pleated membrane, having a filtering degree of 0.5 microns.



Silvered coconut charcoal powder (PAC), does not give degree of filtration.

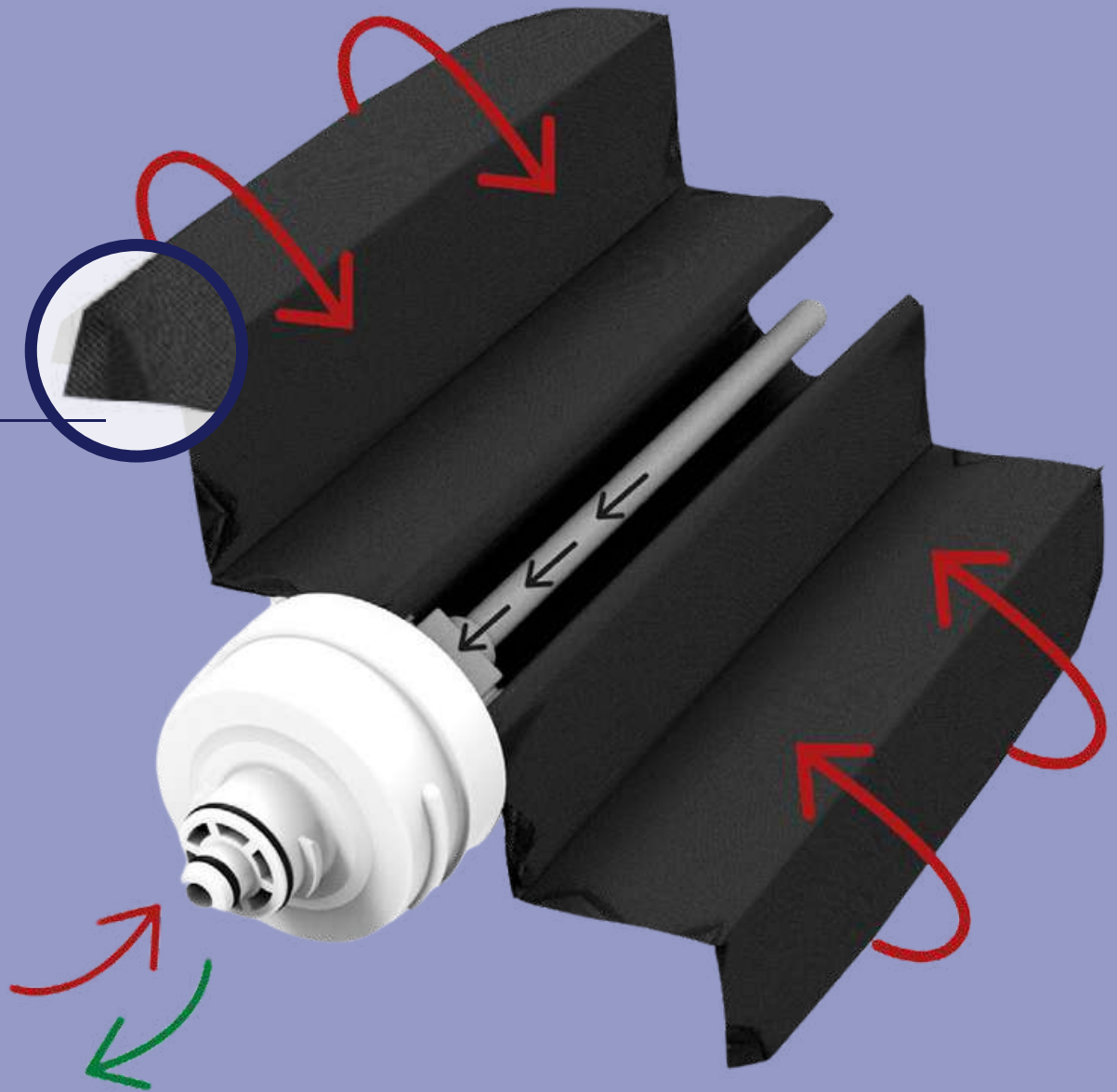


Microfilter pleated membrane with large surface, made of fabric-nonwoven material (TNT) composed of micro polyethylene fibers, pressed and calendered at high temperature.



Active charcoal powder (PAC) of plant origin, produced by burning coconut activated with water vapor. The dusty conformation guarantees the coal greater porosity compared to granular coal, making it much more effective in the adsorption capacity of polluting chemicals and facilitates perfect adhesion to the membrane surface. Thanks to the presence of silver salts it is able to perform an effective bacteriostatic action preventing bacteria, if present in water, from proliferating.

PAC + Membrane



PESTICIDES



CHEMICAL



MICROPLASTICS

INFO-TECHNIQUES BOX

REFINER[®] AG



Product	Code	Number of pieces per box	Box weight	Box size
REFINER AG 250	R11940	6	2,4 Kg	280X250X170
REFINER AG 350	R11941	6	3,3 Kg	400X250X170
REFINER AG 500	R11942	6	4,8 Kg	550X250X170

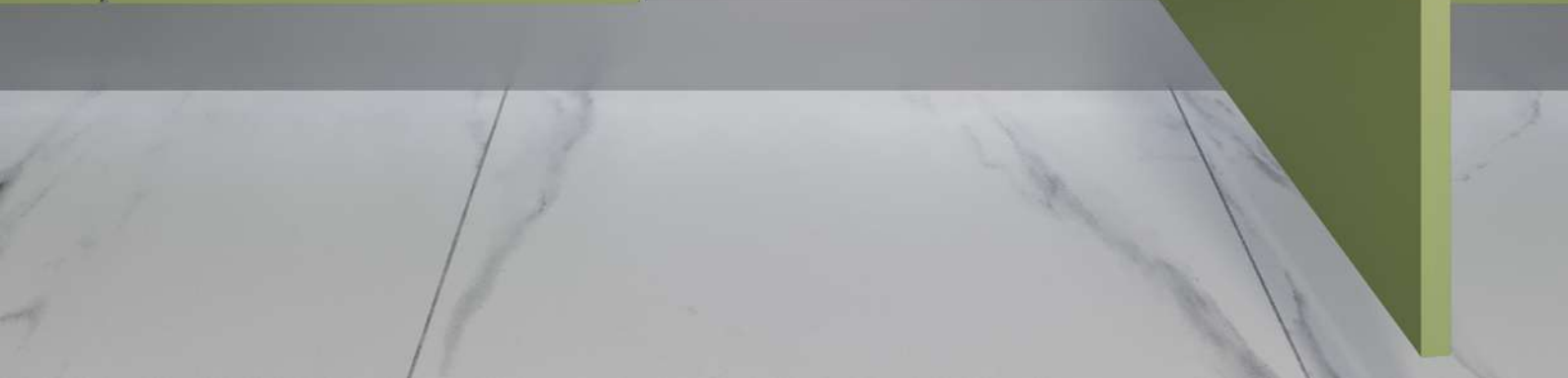
INFO-TECHNIQUES PALLET

REFINER[®] AG



Product	Code	Pallet number of pieces	Pallet number of floors	Pallet number of boxes	Weight pallet	Dimensions pallet
REFINER AG 250	R11940	576	8	96	240 kg	120 x 80 x 150
REFINER AG 350	R11941	432	9	72	250 Kg	120 x 80 x 168
REFINER AG 500	R11942	324	9	54	260 Kg	120 x 80 x 168

including 1 pallet (from 10 Kg)





ACS CERTIFICATION



EAC CERTIFICATION



WRAS CERTIFICATION



PZH CERTIFICATION



ICIM CERTIFICATION



FCM CERTIFICATION

ATTESTATION DE CONFORMITE SANITAIRE

Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé

Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

Coordonnées du demandeur d'ACS / Contact details of the ACS owner :

WATER CARE FILTERS SRL

Via Lidi Ferraresi 22/A-B

Loc. Migliarino

44027 FISCAGLIA (FE)

Italie

Nom de l'accessoire représentatif / Reference of the representative accessory :

Filtre / Filter REFINER RS 350 - R11078.2

N° de dossier attribué par le laboratoire habilité / File reference :

23 ACC LY 377

Date de réalisation des essais d'inertie selon la norme XP P41-280 : du 08 Août au 26 Septembre 2023

Tests date (according to the standard XP P 41-280) : from August 08 to September 26, 2023

Commentaires / Comments : les résultats des essais sont conformes aux exigences de la circulaire DGS/SD7A N°571 du 25 Novembre 2002. / The results are in accordance with the requirements of the circular DGS/SD7A N°571 dated November 25, 2002.

Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :

Filtres / Filters

Références / References (12 références) :

R11079.2	REFINER RS 250	B12092	FILTRO BASIC - RAPID SYSTEM 250
R11078.2	REFINER RS 350	B12150	FILTRO BASIC - RAPID SYSTEM 350
R11080.2	REFINER RS 500	B12153	FILTRO BASIC - RAPID SYSTEM 500
		B12156	FILTRO BASIC AG - RAPID SYSTEM 250
R11940	REFINER RS 250 AG	B12159	FILTRO BASIC AG - RAPID SYSTEM 350
R11941	REFINER RS 350 AG	B12162	FILTRO BASIC AG - RAPID SYSTEM 500
R11942	REFINER RS 500 AG		

Attestation délivrée par / Certificate issued by :

Christelle AUTUGELLE

Signature :

Responsable MCDE

CARSO - L.S.E.H.L.

Date de délivrance / Date of issue : 27 Novembre 2023

Date d'expiration / Expiry date : 27 Novembre 2028

Commentaires / Comments : Renouvellement / renewal 17 ACC LY 309

L'ACS ne préjuge pas de l'efficacité de traitement des filtres. Le filtre a donc été testé vide. Les produits ou supports de traitement doivent être autorisés par le Ministère de la Santé. / The ACS does not foresee the efficiency of treatment of filters. The filter was tested fully empty. Its treatment product(s) have to be authorized by the Ministry of Health.



ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель: Общество с ограниченной ответственностью "ТЕХИНЖИНИРИНГ". ОГРН 1187746358315, ИНН 7722446421

Место нахождения: РОССИЙСКАЯ ФЕДЕРАЦИЯ, город Москва, 111024, улица Авиамоторная, дом 50, строение 2, Этаж 2, помещение XI, Комната 25 офис А49

телефон: +7 931 009-66-81 электронная почта: 89310096681@mail.ru

в лице: Директора Поляковой Екатерины Андреевны

заявляет, что Оборудование для фильтрации и очистки жидкостей: центрифуга, торговой марки «WATER CARE FILTERS»

Изготовитель: WATER CARE Filters S.R.L. Местонахождения: Италия, Via Lidi Ferraresi 22/A-B-44027 Loc. Migliarino-Fiscaglia (FE), ГЛОНАСС 44.748344, 11.920087

Код (коды) ТН ВЭД ЕАЭС: 8421210009

Серийный выпуск.

Соответствует требованиям:

Технического регламента Таможенного союза ТР ТС 010/2011 "О безопасности машин и оборудования".

Декларация о соответствии принята на основании:

Протокол испытаний № М6718 от 15.02.2024 выданного ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ «ЦС ИСТРА» ИСПЫТАТЕЛЬНАЯ ЛАБОРАТОРИЯ

МАШИНОСТРОЕНИЯ И ЭЛЕКТРООБОРУДОВАНИЯ 141570, Московская обл., Солнечногорский р-н, пос. Менделеево Аттестат аккредитации РОСС RU.31587. ИЛ.00011 Телефон: 8-985-639-44-58

Схема декларирования: 1Д

Дополнительная информация:

ГОСТ 12.2.003-91 Система стандартов безопасности труда. Оборудование производственное. Общие требования безопасности. Условия хранения продукции в соответствии с ГОСТ 15150-69 «Машины, приборы и другие технические изделия. Исполнения для различных климатических районов. Категории, условия эксплуатации, хранения и транспортирования в части воздействия климатических факторов внешней среды». Действие декларации о соответствии распространяется на продукцию, произведенную с даты изготовления испытанного образца (12.2023). Заявитель является уполномоченным лицом изготовителя на основании договора № D2423 от 21.12.2023 года

Декларация о соответствии действительна с даты регистрации по 21.03.2029 включительно


(подпись)



М.П.

Полякова Екатерина Андреевна
(Ф.И.О. заявителя)

Регистрационный номер декларации о соответствии: ЕАЭС
KG417/533.Д.0004454 Дата регистрации декларации о соответствии: 22.03.2024
г.



This certifies that

WATER CARE FILTERS SRL

*has had the undermentioned product examined, tested and found,
when correctly installed, to comply with the requirements of the
United Kingdom Water Supply (Water Fittings) Regulations and
Scottish Water Byelaws.*

**ACTIVATED CARBON FILTERS:R11079.2 – REFINER RS250,R11078.2 –
REFINER RS 350,R11080.2 – REFINER RS 500,ACTIVATED CARBON FILTERS
WITH SILVER IONS:R11940 – REFINER RS250 AG,R11941 – REFINER RS 350
AG & R11942 – REFINER RS 500 AG FILTERS AND HOUSINGS**

*The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the
current status of an approval must be obtained from the WRAS Directory
(www.wras.co.uk/directory)*

The product so mentioned will be valid until the end of:

June 2025

2006002

Certificate No.

A handwritten signature in dark ink, appearing to read 'J. Furnival'.

Secretary

A handwritten signature in dark ink, consisting of several vertical strokes followed by a horizontal line.

Chairman, Product Assessment Group



ATEST HIGIENICZNY **B.BK.60110.0108.2024**

HYGIENIC CERTIFICATE

ORYGINAŁ

NATIONAL INSTITUTE OF PUBLIC HEALTH NIH – NATIONAL RESEARCH INSTITUTE

Wyrób / product: **Filtry do wody: Refiner**

Zawierający / containing: polipropylen, ABS, EPDM, węgiel aktywny, złożo KDF 55, polifosforany i inne materiały według deklaracji producenta

Przeznaczony do / destined: poprawy jakości wody przeznaczonej do spożycia przez ludzi

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków
/ the above-named product is acceptable according to hygienic criteria with the following conditions:

Do wyrobów należy dołączyć instrukcję w języku polskim, informującą o sposobie ich montażu i eksploatacji, w tym o zalecanej wymianie filtrów.

Podczas stosowania wyrobu należy okresowo kontrolować stężenie fosforanów w wodzie, które nie może przekraczać 5mg/l w przeliczeniu na P₂O₅ oraz wskaźniki mikrobiologiczne wody, w tym ogólną liczbę bakterii w temp. 36 st.C. Atest higieniczny nie dotyczy parametrów technicznych i walorów użytkowych wyrobu / Hygienic certificate does not apply to technical parameters and utility value of the product.

Wytwórca / producer:

Water Care Filters s.r.l.

44027 loc. Migliarino – Fiscaglia (Ferrara)

Via Lidi Ferraesi No. 22/A-B, Italia

Niniejszy dokument wydano na wniosek / this certificate issued for:

Water Care Filters s.r.l.

44027 loc. Migliarino – Fiscaglia (Ferrara)

Via Lidi Ferraesi No. 22/A-B, Italia

Atest może być zmieniony lub unieważniony po przedstawieniu stosownych dowodów przez którąkolwiek stronę. Niniejszy atest traci ważność po 2027.03.29 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2027.03.29 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 29 marca 2024

The date of issue of the certificate: 29th March 2024

Kierownik
Zakładu Bezpieczeństwa Zdrowotnego
Środowiska

z up. Maciej Szulc
dr hab. Jolanta Solecka, prof. NIZP PZH-PIB



Certificazione di Prodotto *Product Certification*

Certificato N. **ICIM-CAP-010108-00**
Certificate No.

ALL'AZIENDA / TO THE FIRM

WATER CARE FILTERS S.R.L.

Via Lidi Ferraresi, 22/A-B - 44027 Fiscaglia - Loc. Migliarino (FE)
Italia

UNITÀ OPERATIVE / OPERATIVES UNITS

Via Lidi Ferraresi, 22/A-B - 44027 Fiscaglia - Loc. Migliarino (FE)
Italia

PER I SEGUENTI PRODOTTI / FOR THE FOLLOWING PRODUCTS

Cartucce filtranti per acqua potabile.
Filter cartridges for drinking water.

CON DENOMINAZIONE COMMERCIALE / WITH TRADE NAME/S

-

CONFORMEMENTE AL DOCUMENTO NORMATIVO ICIM / IN COMPLIANCE WITH ICIM NORMATIVE DOCUMENT

**0415CS Prodotti e componenti utilizzati a contatto con acqua
destinata al consumo umano (acqua potabile)**

**0415CS Products and components in contact with water
intended for human consumption (drinking water)**

Il presente Certificato è da ritenersi valido solo se accompagnato dal relativo Allegato / This Certificate is valid only with the relative Annex

Vincenzo Delacqua
Rappresentante Direzione / Management Representative

ICIM S.p.A.

PRIMA EMISSIONE
FIRST ISSUE

25/10/2020

EMISSIONE CORRENTE
CURRENT ISSUE

25/10/2020

DATA DI SCADENZA
EXPIRING DATE

24/10/2025



Certificazione di Prodotto Product Certification

Certificato N.
Certificate No.

ICIM-CAP-010108-00

ALL'AZIENDA / TO THE FIRM

WATER CARE FILTERS S.R.L.

Via Lidi Ferraresi, 22/A-B - 44027 Fiscaglia - Loc. Migliarino (FE)
Italia

UNITÀ OPERATIVE / OPERATIVES UNITS

Via Lidi Ferraresi, 22/A-B - 44027 Fiscaglia - Loc. Migliarino (FE)
Italia

PER I SEGUENTI PRODOTTI / FOR THE FOLLOWING PRODUCTS

**Cartucce filtranti e testate per acqua potabile.
Filter cartridges and heads.**

CON DENOMINAZIONE COMMERCIALE / WITH TRADE NAME/S

-

CONFORMEMENTE AL DOCUMENTO NORMATIVO ICIM / IN COMPLIANCE WITH ICIM NORMATIVE DOCUMENT

0415CS

Prodotti e componenti utilizzati a contatto con acqua destinata al consumo umano
(acqua potabile) sulla base di riferimento delle indicazioni del DM n. 174/2004.

Products and components in contact with water intended for human consumption
(drinking water) on the basis of the indications of Ministerial Decree nr. 174/2004

Il presente Certificato è da ritenersi valido solo se accompagnato dal relativo Allegato / This Certificate is valid only with the relative Annex

Vincenzo Delacqua

Rappresentante Direzione / Management Representative

ICIM S.p.A.

PRIMA EMISSIONE
FIRST ISSUE

25/10/2020

EMISSIONE CORRENTE
CURRENT ISSUE

14/10/2021

DATA DI SCADENZA
EXPIRING DATE

24/10/2025



Certificazione di Prodotto *Product Certification*

Certificato N. **ICIM-MOC-010303-00**
Certificate No.

ALL'AZIENDA / TO THE FIRM

WATER CARE FILTERS S.R.L.

Via Lidi Ferraresi, 22/A-B - Loc. Migliarino - 44027 Fiscaglia (FE)
Italia

PER I SEGUENTI PRODOTTI / FOR THE FOLLOWING PRODUCTS

Cartucce filtranti e testate per acqua potabile.
Filter cartridges and heads for drinking water.

CON DENOMINAZIONE COMMERCIALE / WITH TRADE NAME/S

Caratteristiche: vedi Allegato / Characteristics: see Annex

CONFORMEMENTE AL DOCUMENTO NORMATIVO ICIM / IN COMPLIANCE WITH ICIM NORMATIVE DOCUMENT

0445CS

PRODOTTI E COMPONENTI A CONTATTO CON ALIMENTI SECONDO DISPOSIZIONI MOCA
PRODUCTS AND COMPONENTS IN CONTACT WITH FOOD ACCORDING TO FCM REGULATIONS

Il presente Certificato è da ritenersi valido solo se accompagnato dal relativo Allegato / This Certificate is valid only with the relative Annex

Vincenzo Delacqua
Rappresentante Direzione / Management Representative

ICIM S.p.A.

PRIMA EMISSIONE
FIRST ISSUE

08/03/2021

EMISSIONE CORRENTE
CURRENT ISSUE

14/10/2021

DATA DI SCADENZA
EXPIRING DATE

07/03/2026

Fiscaglia, 15 Dicembre 2022

DECLARATION OF CONFORMITY

WATER CARE FILTERS S.R.L. MANUFACTURES FILTERS AND DEVICES FOR THE REFINING OF DRINKING WATER. THE ORGANIZATION DECLARES THAT THE MATERIALS USED IN THE PRODUCTION OF ITS PRODUCTS MANUFACTURED AT THE VIA LIDI FERRARESI 22/A-B - FISCAGLIA (FE) - ITALY COMPLY WITH THE FOLLOWING STANDARDS:

EU Regulation 1935/2004

Regulation on materials and articles intended to come into contact with foodstuffs and repealing Directives 80/590/EEC and 89/109/EEC



EU REGULATION 2023/2006

Regulation on good manufacturing practice for materials and articles intended to come into contact with foodstuffs



EU REGULATION 10/2011

Concerning plastic materials and articles intended to come into contact with foodstuffs

UNI EN 12915

Products used for the treatment of water intended for human consumption
- granular activated carbon

SWITZERLAND 817.0

Federal Act on Foodstuffs and Utility Articles

SWITZERLAND 817.02

Ordinance on foodstuffs and utility articles

SWITZERLAND 817.023.21

Ordinance of the DFI on materials and articles intended to come into contact with foodstuffs

DM 174/2004

Regulation on materials and articles which may be used in fixed installations for the collection, treatment, supply and distribution of water intended for human consumption



DM 25/2012

Technical provisions concerning equipment for the treatment of water intended for human consumption

To maintain these requirements, filters must be used in the manner indicated by the manufacturer.

Water Care Filters S.r.l.

Via Lidi Ferraresi 22 A/B • 44027 Migliarino - Fiscaglia (FE)
Italy • p.iva 01956360380 • Tel. +39 0533 539977 •

www.watercarefilters.it