DEMIKAL® STEAM



WATER CARE
FILTERS

RAPID SYSTEM CONNECTION

DEMIKAL® STEAM

BYPASS FIXED AT 10% INTERNAL TO THE FILTER

FILTER 350J

FILTER 500J



The **DEMIKAL® STEAM** filters selectively eliminate calcium and magnesium ions through ion exchange, thus preventing the accumulation of limestone and other deposits.

These filters are ideal as a stage of refinement before professional steam ovens and traditional ovens of small and medium size, reducing the hardness of the water and preventing the formation of limescale deposits on the internal surfaces of professional ovens.

The main advantages are therefore longer furnace life and better energy efficiency.

Filters with RAPID SYSTEM CONNECTION in combination with a special head.
The attachment is compatible with heads of the main products on the market.

Filter	Code	Size	Diameter	Flow Rate	Autonomy
DEMIKAL® STEAM 350J	D14303	340 mm	Ø 100 mm	450 l/h*	4000 l
DEMIKAL® STEAM 500J	D14304	470 mm	Ø 100 mm	420 l/h*	6000 l

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

RS AVAILABLE WITH CONNECTIONS: **RAPID SYSTEM**

THE CONSTANT USE FOR DRINKING WATER IS NOT RECOMMENDED

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.

NOTE: this equipment requires regular periodic maintenance in order to ensure the potable water requirements of the treated drinking water and to maintain the improvements as stated by the manufacturer. Do not use with non-potable water. After long periods of inactivity (3-4 weeks), carry out a thorough sanitization of the plumbing system downstream of the filter or replace the filter.

For the purpose of any potential liability for damages, it is hereby specified that the proper functioning of the product is subject to the presence of suitable safety devices on the water system, such as a waterblock and a pressure reducer. In the absence of such devices, the company disclaims any liability for damage to property or persons.

RAPID SYSTEM CONNECTION

DEMIKAL® STEAM

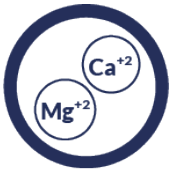
Designed to provide water for the best steaming and baking in the catering industry (Ho.re.Ca), the **DEMIKAL® STEAM** filter is a system composed of weak ion exchange resins.
The water refined with these filters is deprived of the dissolved salts responsible for the carbonate hardness, thus predicting the formation of limestone.

The use of **DEMIKAL® STEAM** filters optimizes the baking of baked goods, reduces the formation of limestone and ensures the correct operation of small steam nozzles of ovens.

- Minimum loss and maximum flow rate;
- Maximum degree of water purity.



Particle



Hardness

ATTACCO **RAPID SYSTEM**

DEMIKAL® STEAM

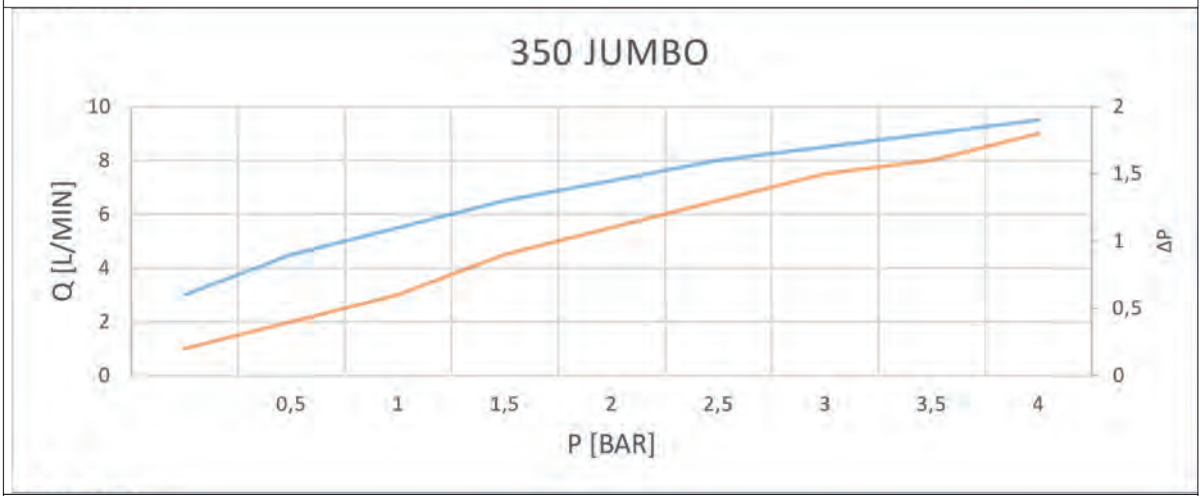
PERFORMANCE: FLOW – PRESSURE

The purpose of the test is the definition of a flow/pressure curve typical of the **DEMIKAL® STEAM** filter.

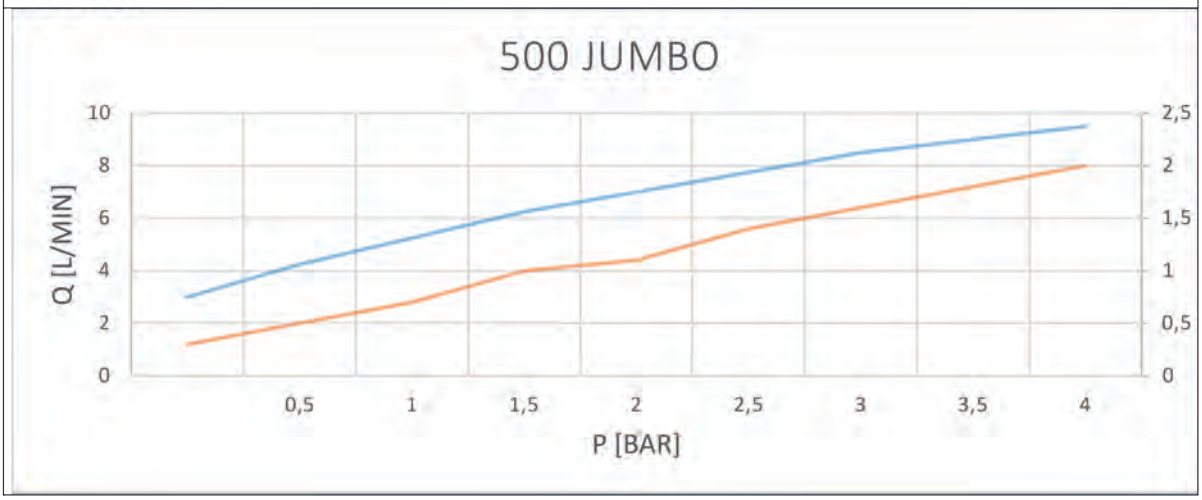
The filter was installed in a circuit fed with mains water at room temperature. After an initial flush of about 20/25 litres was used to ensure that the resin is rinsed and properly hydrated, the pressure was manually increased in 0.5 bar steps and the corresponding flow rate was read on a flow meter and recorded.

Below are the graphs of the data collected concerning the two filter models:

MOD. 350J



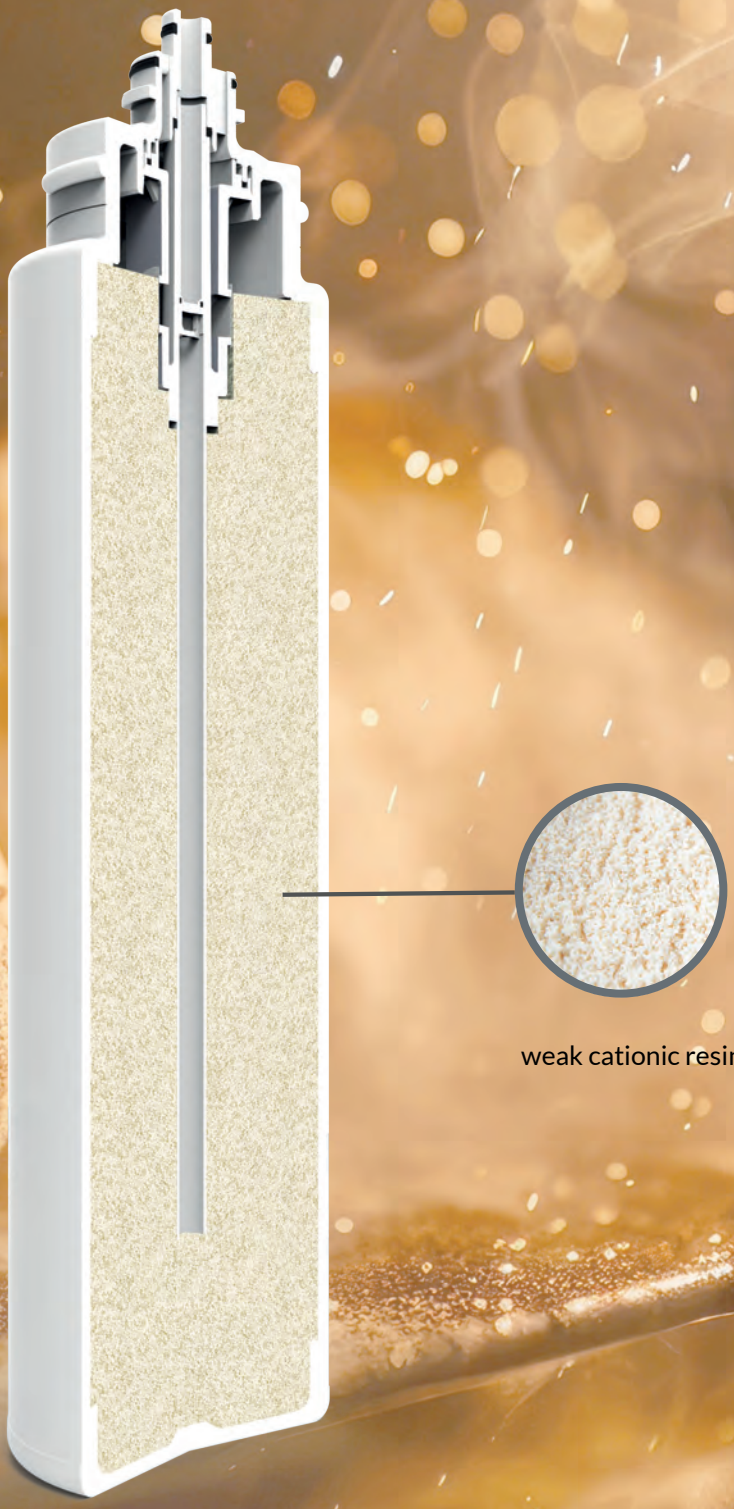
MOD. 500J



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.

INTERNAL SECTION

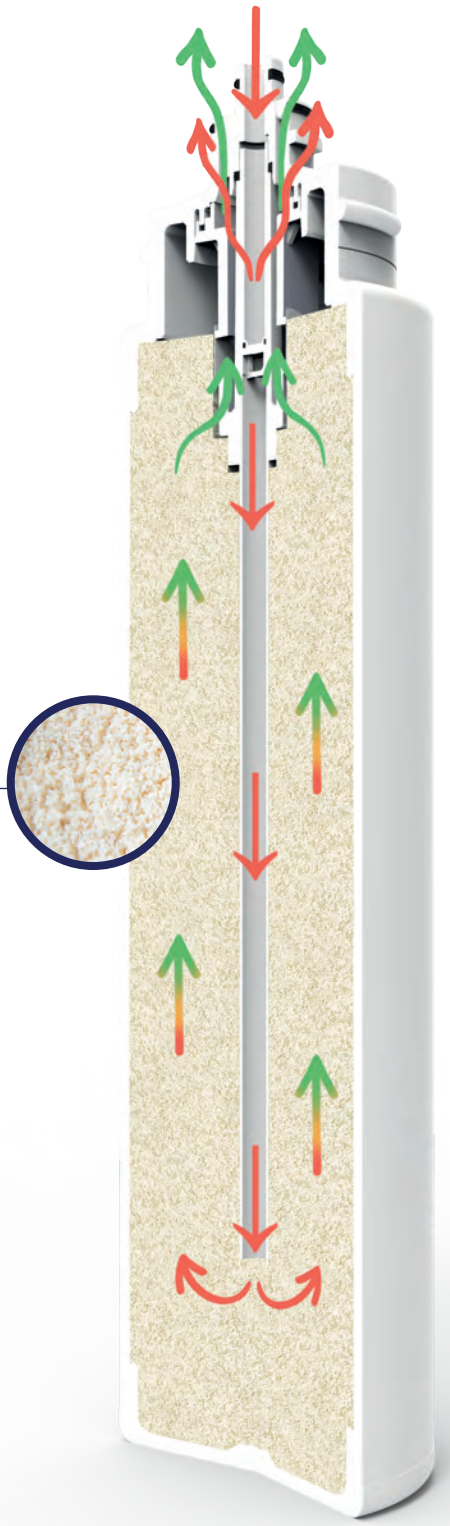
DEMIKAL® STEAM



weak cationic resin



Buffered weak cationic resin specific for the temporary hardness of water, treats calcium and magnesium carbonates.
This type of resin is designed to exchange cations in solution, effectively reducing the concentration of these minerals and thus helping to prevent the formation of limestone deposits.



WEAK CATIONIC RESIN

PARTICLE

HARDNESS

TECHNICAL INFO **BOX**

DEMIKAL® STEAM

FILTER 350J

FILTER 500J



Product	Code	Nr of Pcs for Box	Box Weight	Box Size
DEMIKAL® STEAM 350J	D14303	4	7,60 Kg	550X250X170
DEMIKAL® STEAM 500J	D14304	4	12 Kg	550X250X170



WATER CARE
FILTERS

Fiscaglia, December 25th 2022

COMPLIANCE STATEMENT

WATER CARE FILTERS S.R.L. PRODUCES FILTERS AND DEVICES FOR THE REFINEMENT OF DRINKING WATER THE ORGANIZATION DECLARES THAT THE MATERIALS USED IN THE PRODUCTION OF ITS ITEMS AT THE PLANT IN VIA LIDI FERRARESI 22 / A-B - FISCAGLIA (FE) - ITALY MEET THE REQUIREMENTS AND COMPLY WITH THE FOLLOWING REGULATIONS:

EU Regulation 1935/2004
Regulation on materials and articles intended to come into contact with food 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 food

EU Regulation 10/2011
Regulation on plastic materials and articles intended to come into contact with food Text with EEA relevance

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 FDHA on materials and articles intended to come into contact with foodstuffs

DM 174/2004
Regulation concerning materials and objects that can be used in fixed systems for the collection, treatment, adduction and distribution of water intended for human consumption

DM 25/2012
Regulation concerning devices aimed at the treatment of water for human consumption

In order to meet these requirements, the produced items must be used according to the instructions of the producer.

Water Care Filters S.r.l. - Via Lidi Ferraresi, 22/A-B - 44027 Loc. Migliarino - Fiscaglia (FE) Italy
tel. +39 0533 539 977
www.watercarefilters.it

Water Care Filters S.r.l.

Via Lidi Ferraresi, 22/A-B • 44027 Migliarino - Fiscaglia (FE) Italy
p.iva 01956360380 • Tel. +39 0533 539 977 •

www.watercarefilters.it