DEMIKAL®
COFFEE



WATER CARE
FILTERS

RAPID SYSTEM CONNECTION

DEMIKAL® COFFEE

ACTIVATED CARBON FILTER

FILTER 250 | FILTER 350 | FILTER 500 | FILTER 250J | FILTER 350J | FILTER 500J



The **DEMIKAL® COFFEE** filter is the result of a meticulous research, which led to the development of a cartridge specifically designed for treating water used in the preparation of coffee and hot beverages. Based on an innovative blend of high capacity ion exchange resins (High Performance Resins), the **DEMIKAL® COFFEE** filter provides maximum protection for coffee machines against limescale, while ensuring the production of high-quality espresso, thanks to:

- total water hardness removal, as calcium and magnesium bicarbonates;
- reduction of calcium and magnesium chlorides and sulfates;
- maintenance of neutral pH;
- 5µ activated carbon filtration, effective for removing chlorine, suspended particles, heavy metals, and PFAS;
- it is possible to extend system capacity by installing multiple filters in series.

The **DEMIKAL® COFFEE**, in the JUMBO version with RS connection and head fitting, is the ideal solution for:

- coffee and hot beverage vending machines;
- professional coffee machines;
- breakfast station machines;
- soluble drinks machines.

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

The connection is compatible with the headsof the main products on the market.

Filter	Code	Height	Diameter	Resin	PH OUT	Autonomy
DEMIKAL® COFFEE 250	D11609	268 mm	Ø 79 mm	0,70 l	7,5	980 l
DEMIKAL® COFFEE 350	D11610	385 mm	Ø 79 mm	1,00 l	7,5	1400 l
DEMIKAL® COFFEE 500	D11611	535 mm	Ø 79 mm	1,75 l	7,5	2450 l
DEMIKAL® COFFEE 250J	D13185	268mm	Ø 100 mm	1,25 l	7,5	2000 l
DEMIKAL® COFFEE 350J	D12428	330mm	Ø 100 mm	2,12 l	7,5	3500 l
DEMIKAL® COFFEE 500J	D12396	440mm	Ø 100 mm	3,00 l	7,5	5000 l

RS 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. **Inlet hardness:** 18°f. **Suggested outlet flow rate** 60 l/h.

NOTE: this equipment requires regular maintenance periodically to ensure the requirements of potability of the drinking water treated and maintenance improvements as declared by the producer. Do not use with undrinkable water. After long periods of inactivity (3 /4 week) to keep it carefully sanitizing or provide for the replacement of 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

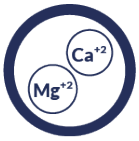
DEMIKAL® COFFEE

Our **DEMIKAL® COFFEE** softening system uses buffered ion exchange resins to eliminate temporary water hardness and maintain pH stability. This prevents limescale encrustations, prolonging the life of devices such as coffee machines and ensuring optimal performance over time. The carbon block filter inside removes unwanted odors and flavors, reduces chlorine and its derivatives and ensures a fine filtration to 5 microns for water always pure and high quality.

- Maximum prevention of scale scale scale
- Maximum protection of appliances that produce hot water (kettles, coffee machines..
- Maximum safety and filtration
- Minimum flow loss and maximum flow rate



Microplastics



Hardness



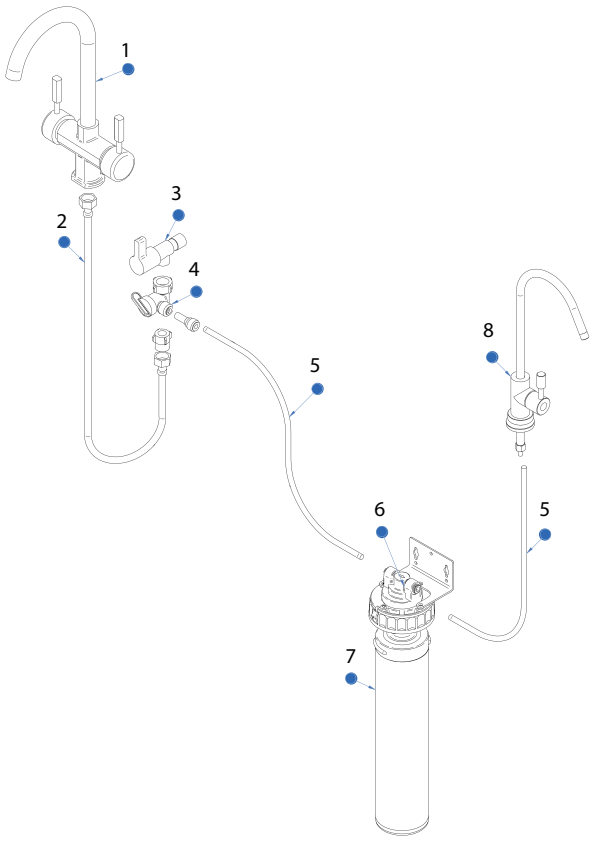
Chemicals

RAPID SYSTEM CONNECTION

DEMIKAL® COFFEE

DEMIKAL® COFFEE filters guarantee high flow rates and autonomy as well as low pressure drop.

- Does not require electricity
- Disposable filter
- Easy installation and replacement
- Vertical installation
- Improves the taste of water
- Protection against limestone of plants
- Reduction of the carbonate hardness
- Technology: weak cationic resins and carbon block
- Removes heavy metals, chlorine and sediment
- Autonomy: (see table) this varies depending on the quality of the incoming water, the flow required, the inlet water pressure and the use of the filter
- Flow: (see table ref. flow)
- Temperature: 3-30 layers C (36-92 layers F)
- Pressure: 1-7 bar (15-100 psi), no shock
- Activation: it is advisable to let the water flow through the filter at maximum pressure and with the maximum flow rate for a duration of 5 minutes in order to allow the purging of the air in the cartridge
- Change cartridges: it is advisable to change the equipment annually and / or every 6 months when its autonomy is over or when the flow arrives too slow (eg when it falls below 2 l /min)



Parameter	Legal limit	Inlet water	Outgoing water
hardness [°f]	15-50	22,5	1,8
pH	6,5 ≤ pH ≤9,5	7.8	7.5
EC [µS/cm]	2500	608	710
Cl [mg/l]	≤ 0,2	0,2	0
Fe [mg/l]	Fe ≤ 0,2	0,1	0

RS AVAILABLE WITH CONNECTIONS: **RAPID SYSTEM**

ONLY FOR USE WITH DRINKING WATER

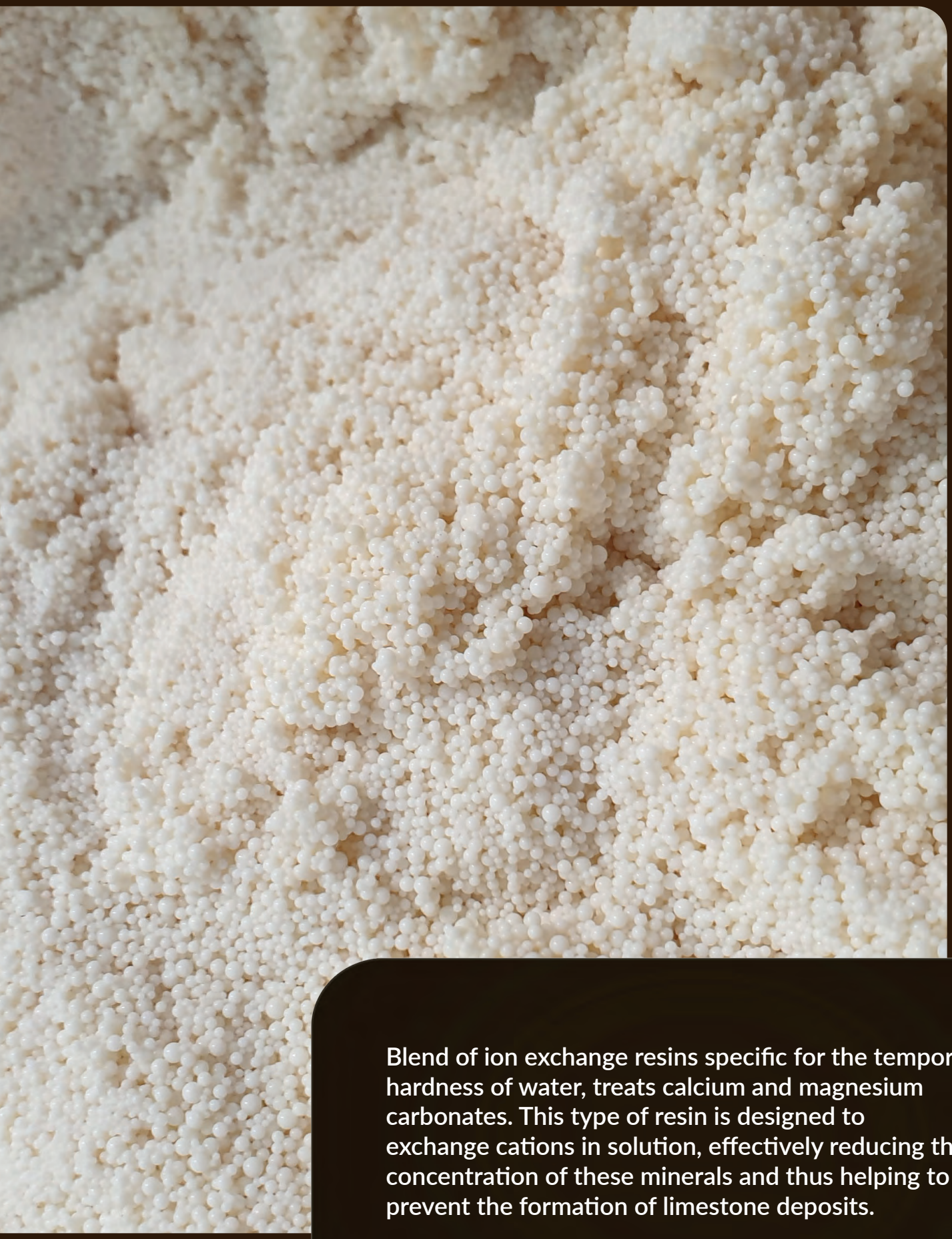
EQUIPMENT COMPLIES WITH: **D.M. 25/2012- D.M. 174/2004**

Filter mounting diagram: ❶ Sink tap ❷ H2O supply hose ❸ H2O wall supply socket ❹ Sampling valve ❺ TPE 8X6 JG pipe ❻ PP head unit Att. Side ❼ WCF filter ❽ American Style tap

INTERNAL SECTION

RENDER 3D





Blend of ion exchange resins 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.

SOLUTIONS WITH MULTI SYSTEM FILTER



Double-headed system
MULTI SYSTEM FILTER DOUBLE 2 00 00
with 2 heads, 2 pressure gauges, straight valve and T-valve

dim. 700x200x600 mm

	Resin	Autonomy
with DEMIKAL® COFFEE 350J	4,24 l	7000 l
with DEMIKAL® COFFEE 500J	6 l	10000 l



Triple-headed system
MULTI SYSTEM FILTER TRIPLE 3 00 00
with 3 heads, 2 pressure gauges, straight valve and T-valve

dim. 800x200x600 mm

	Resin	Autonomy
with DEMIKAL® COFFEE 350J	6,36 l	10500 l
with DEMIKAL® COFFEE 500J	9 l	15000 l



Quadruple-headed system
MULTI SYSTEM FILTER QUADRUPLE 4 00 00
with 4 heads, 2 pressure, gauges, straight valve and T-valve

dim. 900x200x600 mm

	Resin	Autonomy
with DEMIKAL® COFFEE 350J	8,48 l	14000 l
with DEMIKAL® COFFEE 500J	12 l	20000 l

RS AVAILABLE WITH CONNECTIONS: **RAPID SYSTEM**

ONLY FOR USE WITH DRINKING WATER

EQUIPMENT COMPLIES WITH: **D.M. 25/2012**

NOTE: This equipment requires regular periodic maintenance in order to ensure the drinking water quality of the treated potable 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 sanitation of the plumbing downstream of the filter or arrange for the replacement of the filter.

TECHNICAL INFO **BOX**

DEMIKAL® COFFEE

FILTER 250 · FILTER 350 · FILTER 500



Product	Code	Nr of Pcs for Box	Box Weight	Box Size
DEMIKAL® COFFEE 250	D11609	6	4,50 Kg	280X250X170
DEMIKAL® COFFEE 350	D11610	6	7,38 Kg	400X250X170
DEMIKAL® COFFEE 500	D11611	6	11,70 Kg	550X250X170

TECHNICAL INFO **PALLET**

DEMIKAL® COFFEE

FILTER 250 · FILTER 350 · FILTER 500



Product	Code	Nr of Pcs for Pallet	Nr of Levels for Pallet	Nr of Boxes for Pallet	Pallet Weight	Pallet Size
DEMIKAL® COFFEE 250	D11609	576	8	96	440 Kg	120X80X150
DEMIKAL® COFFEE 350	D11610	432	9	72	320 Kg	120X80X168
DEMIKAL® COFFEE 500	D11611	324	9	54	640 Kg	120X80X168

including 1 pallet (of 10 Kg)

TECHNICAL INFO **BOX**

DEMIKAL®
COFFEE

FILTER 250J

FILTER 350J

FILTER 500J



Product	Code	Nr of Pcs for Box	Box Weight	Box Size
DEMIKAL® **COFFEE 250J**	D13185	4	4,80 Kg	550X250X170
DEMIKAL® **COFFEE 350J**	D12428	4	7,60 Kg	550X250X170
DEMIKAL® **COFFEE 500J**	D12396	4	12 Kg	550X250X170

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