NITRATE

professional use

beverages



Pallas PWG cartridges

Filter for Nitrate removal

Pallas PWG cartridge NITRATE reduces the concentration of nitrates. Selective nitrate resin and final filtration stage at 0.5 µm with Carbon Block technology added with silver ions for bacteriostatic action. To be used with nitrates concentration up to 50 mg/l.

+ Removes odours and off-tastes and reduces chlorine
+ Guarantees a bacteriostatic action
+ Reduces concentration of nitrates

MADE IN ITALY

ICIM CERTIFIED PRODUCT WATER CONTACT MATERIALS

Cartridges

Reference	Config.	Item Name	Price
1762010009	PWG-SMALL	Cartridge NITRATES - Small	
1762010009	PWG-MEDIUM	Cartridge NITRATES - Medium	
1762010009	PWG-LARGE	Cartridge NITRATES - Large	

General characteristics

Quick-connect disposable cartridge for the treatment of drinking water with a high concentration of nitrates. Last phase of filtration is obtained by Carbon Block technology mixed with silver ions, filtration of 0,5 microns. This cartrigde is to be used when drinking water has a nitrate concentration between 50 and 100 mg/l.

Materials

- Cartridge: polypropylene
- Two steps Filtration
  1. strong anion adsorption macroporous nitrate-selective resin mixed with granular active carbon;
  2. Carbon Block technology mixed with silver ions.



4 °C – 30 °C



2 bar – 6 bar

Head

“R” head with flow regulator. This type of head is necessary because the chemical reactions of ionic exchange that must take place inside the filter cartridge needs an appropriate time to act. The head must be dimensioned according to the size of the cartridge.

Installation

Upright

Use

Treatment of drinking water.

Replacement

It’s recommended to replace the cartridge at the end of its nominal range, or if the output flow is too slow. However, the cartridge must be replaced within 365 days from its installation. Before removing the cartridge, close the water inlet upstream valve and eliminate the pressure in the circuit by opening the tap. To activate the cartridge correctly, open the inlet valve and dispense water for at least five minutes before taking it for potable uses.

Inactivity

Short periods of inactivity: flushing of the cartridge is necessary; in case of prolonged disuse, it is possible to disinfect the system.

Environment

For the production of Pallas PWG cartridges filters, the environmental impact is close to 0. All Pallas PWG cartridges filters are BPA free.

* Dispose of the exhausted cartridge according to the 2014/955/EU Decision (EWC 15 02 03).

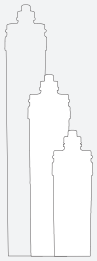
Dimensions

SMALL Ø 87,4 mm I h 270 mm

MEDIUM Ø 87,4 mm I h 385 mm

LARGE Ø 87,4 mm I h 530 mm

When installing and replacing the filter, consider the space required to remove the cartridge.



Technical specifications

SMALL flow rate: 1 l/min*
capacity: 900 l*

MEDIUM flow rate: 1,5 l/min*
capacity: 1.400 l*

LARGE flow rate: 2 l/min*
capacity: 2.200 l*

* Flow rates and calculated autonomies with concentrations of 60 mg / l of nitrates. The exchange capacities may vary depending on the nitrate concentrations of the incoming water and the flow rates.

Parameters

	BEFORE	AFTER
pH	8,10	8,10
Sulphate mg/l	3,1	29,0
Nitrates mg/l	38	4,8
Iron mg/l	3,2	3,0

