ARSENIC

beverages

technological uses



Pallas PWG cartridges

Filter for arsenic removal

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

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

MADE IN ITALY

MOCA

PRODUCT COMPLIANT DM 174/2004

Cartridges

Reference	Config.	Item Name	Price
1762010008	PWG-SMALL	Cartridge ARSENIC w/carbon block - Small	
1762010008	PWG-MEDIUM	Cartridge ARSENIC w/carbon block - Medium	
1762010008	PWG-LARGE	Cartridge ARSENIC w/carbon block - Large	

General characteristics

Quick-connect disposable cartridge for the treatment of drinking water that exceeded in the limit of arsenic (> 10 g / l; <50 g / l). Last phase of filtration obtained with Carbon Block technology mixed with silver ions with a filtration of 0.5 microns. If the cartridge is used in equipment related to the food sector, the system must meet the requirements laid down by European Community Directive 178/2002.

Materials

- Cartridge: polypropylene
- Two steps Filtration
  1. Macroporous resin loaded with iron hydroxide for adsorption of arsenic (see Lewatit FO36 technical sheet) mixed with granular activated carbon (GAC).
  2. Carbon Block technology mixed with silver ions. The resin meets the NFS 61 and WRAS standards.

Composite structure filter for treatment of drinking water notwithstanding the current regulations regarding Arsenic parameter (as AS V as As III).

Head

“R” head with flow regulator. This type of is 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

Upricht

Use

Filtration for household systems for treatment of drinking water notwithstanding the current regulations regarding Arsenic parameter.

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.

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



4 °C – 30 °C



2 bar – 6 bar

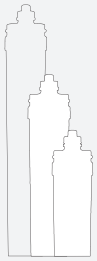
Dimensions

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: 10.000 l*

MEDIUM flow rate: 1,5 l/min*
capacity: 15.000 l*

LARGE flow rate: 2 l/min*
capacity: 20.000 l*

* Flow rates and autonomy calculated with concentrations of 50 µg / l of arsenic. Exchange capacities may vary based on arsenic concentrations of incoming water and flow rates.

Parameters

	BEFORE	AFTER
pH	7,42	7,35
Arsenic mg/l	3,1	Not detected
Iron mg/l	3,3	3,0

