SILVER

professional use

beverages



Pallas PWG cartridges

Microfiltration taste & odour removal

Pallas PWG cartridge SILVER removes bad odours and off-tastes, reduces chlorine, and has a filter rating of 0.5 µm. The cartridge is produced using Carbon Block technology enriched with SILVER ions to give bacteriostatic feature to the filter. It complies with Italian Ministerial Decree 25/2012.

+ Removes odours and off-tastes
+ Reduces chlorine
+ Guarantees a bacteriostatic action
+ Reduces the organic macromolecules presence

Cartridges

Reference	Config.	Item Name	Price
1762010002	PWG-SMALL	Cartridge carbon block SILVER - Small	
1762010002	PWG-MEDIUM	Cartridge carbon block SILVER - Medium	
1762010002	PWG-LARGE	Cartridge carbon block SILVER - Large	

General characteristics

Quick-connect disposable cartridge with SILVER ions technology; 0,5 micron filtration. Activated carbon filter for dehlorination and clarifying of drinking water. The filtration reduces chlorine content, organic compounds, odors/off-tastes from water. Thanks to the presence of SILVER ions, the antibacterial action downstream of the treatment system is guaranteed. Pallas PWG cartridges SILVER has been certified by TIFQ LAB, and complies with the high quality standards required by Italian law with regarding to the treatment systems of drinking water. Lab tests were conducted by simulating domestic use, also referring to long periods of inactivity of the system.
For this information, you can consult the report of the reference laboratory, which presents the quality data that make SILVER cartridge become certified.

Materials

- Cartridge: polypropylene
- Filtration: activated carbon technology: extruded Pallas PWG cartridges Carbon Block.



4 °C – 30 °C



2 bar – 6 bar

Head

Standard

Installation

Upright or horizontal, as preferred with the help of support clip. Bayonet fitting for Pallas PWG cartridges heads. Before removing the cartridge, close the inlet water valve and remove the pressure in the circuit by opening the downstream tap. Turn the empty cartridge by 90° clockwise, then remove the cartridge from the head. Insert the new cartridge, after removing the protective cap, and turn it 90° anticlockwise. Open the inlet valve and supply water for at least 5 minutes to activate the new cartridge. After brief periods of inactivity, supply water before drinking it. In the case of prolonged disuse, disinfect the system.

Use

Filtration for household systems for 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

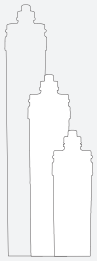
Short periods of inactivity: flushing of the cartridge is necessary; in case of prolonged disuse, it is possible to disinfect the system.

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: 3 l/min*
capacity: 15.000 l*

MEDIUM flow rate: 5 l/min*
capacity: 24.000 l*

LARGE flow rate: 7 l/min*
capacity: 45.000 l*

* Capacities may vary based on incoming water and flow rates.
* Gold Ultra Filtration hollow fibers are sensitive for clogging in in application with lower inlet water quality and old pipe systems.

Parameters

PARAMETER	EU DIRECTIVE 98/83	TESTING WATER QUALITY	TREATED WATER QUALITY	NOTE
Iron (mg/L)	0,20	≥ 0,15 and ≤ 0,17	≥ 0,0003 and ≤ 0,005	
pH	≥ 6,5 and ≤ 9,5	≥ 8,2 and ≤ 8,3	* S ≥ 8,2 and ≤ 8,3 mg/l * M ≥ 8,9 and ≤ 8,2 mg/l	
Solphate	≤ 250 mg/L	≥ 29,1 and ≤ 30,6 mg/l	* S ≥ 23,9 and ≤ 28,1 mg/l * M ≥ 17,3 and ≤ 21,1 mg/l	
Bacteria growth 22°C - 37°C	No abnormal change	No abnormal change	No abnormal change	Check after 60 days of non-use
Active Chlorine	0,20 mg/l * M 2 mg/l (Indic. NSF 42)	≥ 0,09 e ≤ 0,12	≥ 0,02 e ≤ 0,04	85% reduction
Aluminum (mg/L)	0,20	≥ 0,006 and ≤ 0,012	≥ 0,0004 and ≤ 0,002	
Conductivity	2500 µScm - 2°C	≥ 276 and ≤ 328	≥ 272 and ≤ 335	
Hardness	15 - 50 °F	≥ 15,3 and ≤ 15,9°F	≥ 13,5 and ≤ 16,3 °F	

