



Profine® *gold*



of drinking water

ULTRAFILTRATION FOR DRINKING WATER

Profine® **Gold** eliminates undesirable odours and flavours, reduces chlorine, and has a nominal filtration rate of 0.1 microns. A cartridge with a very high degree of filtration that embraces and maximises the advantages of the Profine® Carbon Block system with added silver combined with an ultrafiltration stage capable of preventing the passage of more than 99.99999% of bacteria.



MODELS	
CODE	MODELS
Y21406B-AXM	SMALL
Y21405B-AXK	MEDIUM
Y21404B-AXH	LARGE

DIMENSIONS			
MODELS	DIAMETER	HEIGHT (without head)	HEIGHT (with head)
SMALL	87.4 mm	270 mm	302 mm
MEDIUM	87.4 mm	385 mm	417 mm
LARGE	87.4 mm	530 mm	562 mm

When installing and replacing the filter, take into account the space required to remove the cartridge.

TECHNICAL SPECIFICATIONS	
MODELS	FLOW RATE
SMALL	3 l/min*
MEDIUM	5 l/min*
LARGE	7 l/min*

* Capacities may vary based on the inlet water and flow rates.

MATERIALS

Cartridge: polypropylene;

Filtration: technology with extruded "Profine® Carbon Block" activated carbon with added silver ions and final stage ultra filtration with 0.1 micron hollow fibre.

GENERAL CHARACTERISTICS

Disposable cartridge with quick coupling, with filtration by "Profine® Carbon Block" technology with added silver ions and final stage ultrafiltration with hollow fibre; filtration degree 0.1 µm. Activated carbon filter for the dechlorination and clarification of drinking water. Filtration allows the reduction of chlorine content, organic compounds, unpleasant smells/tastes from water. Thanks to the presence of silver ions, the antibacterial action downstream of the treatment system is guaranteed. In addition, ultra filtration prevents the passage of more than 99.9999% of bacteria and viruses. Profine® Gold has been certified by the TIFQ LAB, and fully meets the high quality standards required by Italian legislation regarding drinking water treatment plants, with particular reference to Italian Ministerial Decree 25/2012. The laboratory tests were performed simulating domestic use, consequently also referring to long periods of inactivity of the system. For this information, it is possible to consult the report of the reference laboratory, which highlights the qualitative data that allowed the Gold cartridge to obtain certification referring to Italian Ministerial Decree 25/2012.

USE

Filtration stage for domestic drinking water treatment plants.

INSTALLATION

Bayonet fitting for Profine® heads and similar. Installation vertically or horizontally with the aid of cartridge support clips. Before removing the filter cartridge, close the water inlet and remove the pressure in the circuit by opening the tap downstream. Rotate the used cartridge 90° clockwise, then remove the cartridge from the head. Insert the new cartridge, after having removed the protective cap, and rotate it 90° anti-clockwise. Open the inlet valve and supply water to the drain to activate the new cartridge for at least 5 minutes.

After periods of short periods of non-use, run water before removing it for drinking use.

In case of prolonged non-use, disinfect the system.

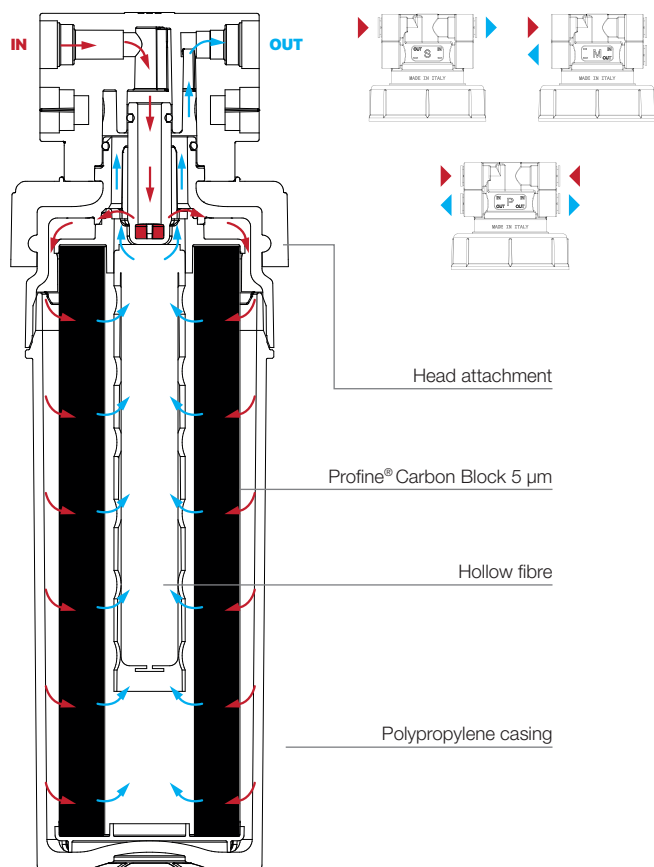


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Min - Max Temperature
4°C – 30°C
(40°F – 86°F)



Operating pressure Min - Max
2 bar – 6 bar
(0.2 – 0.6 MPa)

PARAMETERS		
SMALL	MEDIUM	LARGE
7,000 l*	10,000 l*	15,000 l*

* Capacities may vary based on the inlet water and flow rates.

VERIFICATION OF PARAMETER VARIATION				
PARAMETER	REF. REGULATION ITALIAN LEGISLATIVE DECREE 31/2001	UNTREATED WATER	TREATED WATER	NOTE
microplastics		initial value (100%)	99.99% reduction	
pH	≥ 6.5 and ≤ 9.5	≥ 8.2 and ≤ 8.3	≥ 8.1 and ≤ 8.4 mg/l	
total bacterial colonies 22°C and 36°C		100 CFU/ml (22°C) 20 CFU/ml (36°C)	0 CFU/ml (22°C) 0 CFU/ml (36°C)	verification after 60 days of non-use
free chlorine	0.20 mg/l	1.00 mg/l	≥ 0.1 and ≤ 0.2 mg/l	85% reduction
conductivity	2500 µS/cm - 20°C	≥ 350 and ≤ 400 µS/cm	≥ 320 and ≤ 390 µS/cm	
Pseudomonas Aeruginosa	0 CFU/250 mL	10 CFU/250 mL	0 CFU/250 mL	

PACKAGING (6 pcs box)			
MODELS	WIDTH	DEPTH	HEIGHT
SMALL	28 cm	20 cm	28 cm
MEDIUM	28 cm	20 cm	39.5 cm
LARGE	28 cm	20 cm	54 cm

HEAD REPLACEMENT

Standard

It is advisable to replace the cartridge at the end of its nominal autonomy or if the outflow is too slow. In any case, the cartridge must be replaced within 365 days of its installation. Before removing the filter cartridge, close the upstream water inlet and remove the pressure in the circuit by opening the sampling tap. To activate the cartridge correctly, open the inlet valve and dispense for at least five minutes before removing it to drink.

COMPANY CERTIFICATIONS

Produced in Italy by think:water, an ISO 9001:2015 (quality), ISO 14001:2015 (environment) and MOCA company certified.

PRODUCT certifications

Complies with the **ICIM 0415CS regulation** Products and components used in contact with water intended for human consumption (including **Italian Ministerial Decree 174/2004** and **Italian Ministerial Decree 25/2012** according to the Tifq Lab laboratory test).

INACTIVITY

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

ENVIRONMENT

For the production of Profine[®] filters, the environmental impact is close to 0. All the Profine[®] filters are BPA-free.

DISPOSAL

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