

Profine® **Ice** refines the drinking water by neutralizing the action of limestone, allowing the formation of a transparent and bright ice that, once immersed in the drinks, it becomes weightless, incorporeal and evanescent. At the same time it guarantees operational efficiency and extends the life of the equipment.

MODELS	
CODE	MODELS
PPCM0MN0-AZX	MINI
PPCS0SM1-AZY	SMALL
PPCM0MD1-B11	MEDIUM
PPCL0LR1-B13	LARGE

DIMENSIONS			
MODELS	DIAMETER	HEIGHT (without head)	HEIGHT (with head)
MINI	87,4 mm	216,5 mm	245 mm
SMALL	87,4 mm	269 mm	300 mm
MEDIUM	87,4 mm	384 mm	420 mm
LARGE	87,4 mm	529 mm	560 mm

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

TECHNICAL SPECIFICATIONS	
MODELS	FLOW RATE
MINI	1 l/min*
SMALL	1,5 l/min*
MEDIUM	2,5 l/min*
LARGE	3,5 l/min*

* Capacities may vary based on incoming water and flow rates.



MATERIALS

Technopolymer cartridge according to the provisions of the DM25/12 concerning the DM174/2004 and Legislative Decree 31/2001.

GENERAL CHARACTERISTICS

Activated carbon cartridge for dechlorination and complexing clarification of drinking water. Quick-connect disposable cartridge, with filtration by "Profine® Carbon Block" with silver ions technology; 0,5 micron filtration. Profine® Ice removes turbidity above 0,5 µm, reducing chlorocompounds, flavors and odors; with a complexing action that prevents the precipitation of alkaline ions such as calcareous ones in drinking water. The presence of silver ions guarantee the bacteriostatic action.

USE

Stage of refining of drinking water for ice production.

INSTALLATION

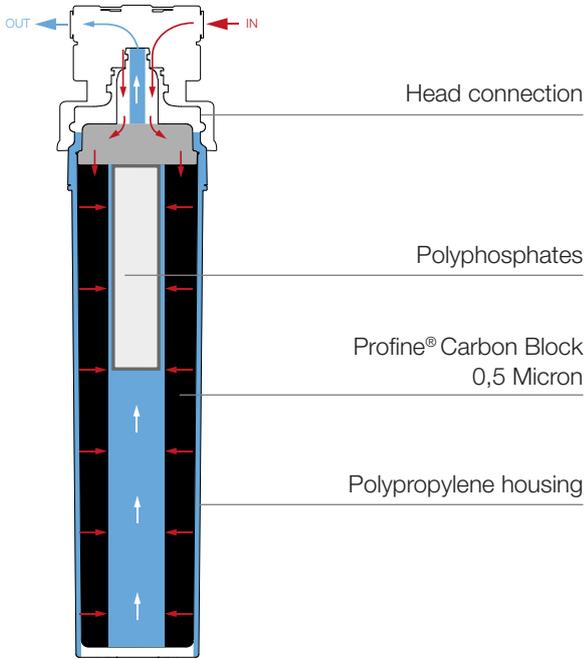
Vertical position.

HEAD

"R" head with flow regulator.
The head must be dimensioned according to the size of the cartridge.

CAPACITY

We recommend replacing the cartridge at the end of its nominal life, or if the outflow is too slow. However, the cartridge must be replaced within 365 days of its installation.



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



Operating pressure Min - Max
2 bar – 6 bar
(0,2 – 0,6 MPa)

PARAMETERS			
MINI	SMALL	MEDIUM	LARGE
6.000 l*	10.000 l*	22.000 l*	30.000 l*

Production may vary depending on the quality of the incoming water. With reference to the lifetime of the Profine® ICE Large cartridge, internal tests have shown a range of 45000 l.

CHECKING PARAMETER CHANGE FOR ICE SMALL				
PARAMETER	REF. REGULATION D.LGS. 31/2012	TESTING WATER QUALITY	TREATED WATER QUALITY	NOTE
Ammonium (NH ₄)	≤0,50 mg/l	0,00 mg/l	0,00 mg/l	
pH	≥ 6,5 and ≤ 9,5	≥ 7,6 and ≤ 7,9	≥ 7,7 and ≤ 8,3	
PO ₄ 3	-	≥ 0,04 mg/l ≤ 0,07 mg/l	≥ 0,2 mg/l ≤ 0,9 mg/l	
Bacteria growth 22°C - 37°C	No abnormal change	No abnormal change	No abnormal change	Check after 60 days of no use
Active Chlorine	0,20 mg/l M 2 mg/l (Indic. NSF 42)	0,00 mg/l	0,00 mg/l	85% Reduction

PACKAGING (Cardboard box 6 pieces)			
MODELS	WIDTH	DEPTH	HEIGHT
MINI	28 cm	19 cm	22,9 cm
SMALL	28 cm	20 cm	28 cm
MEDIUM	28 cm	20 cm	39,5 cm
LARGE	28 cm	20 cm	54 cm

REPLACEMENT

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.

COMPANY CERTIFICATIONS

Made in Italy by think:water, ISO 9001-2015 certified company (quality) and 14001-2015 (environmental).

CERTIFICATION PRODUCTS

Complies with **MOCA, DM 174/2004** and **D.Lgs.31/2001** regulations

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 Profine® filters, the environmental impact is close to 0. All Profine® filters are BPA free.

DISPOSE OF THE SPENT CARTRIDGE

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