



Profine® arsenic



drinking water



professional use

FILTER FOR REMOVING ARSENIC

Profine® **Arsenic** is suitable for drinking water that exceeds the Arsenic concentration limit (III and V type). Usable at point of use for the removal of arsenic from water with a concentration until 50 µg/l max.



MODELS	
CODE	MODELS
PPRS0SM1-AZ6	SMALL
PPRM0MD1-AZ5	MEDIUM
PPRL0LR1-AZ3	LARGE

DIMENSIONS			
MODELS	DIAMETER	HEIGHT (without head)	HEIGHT (with head)
SMALL	874 mm	269 mm	300 mm
MEDIUM	874 mm	384 mm	420 mm
LARGE	874 mm	529 mm	560 mm

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

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

*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.



MATERIALS

Cartridge: polypropylene;

Filtration: by two steps:

A) macroporous resin loaded with iron hydroxide for adsorption of arsenic (see Lewatit FO36 technical sheet) mixed with granular activated carbon (GAC);

B) Profine® 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 ASV as As III).

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 Profine® 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.

USE

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

INSTALLATION

Upright

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 need an appropriate time to act. The head must be dimensioned according to the size of the cartridge.



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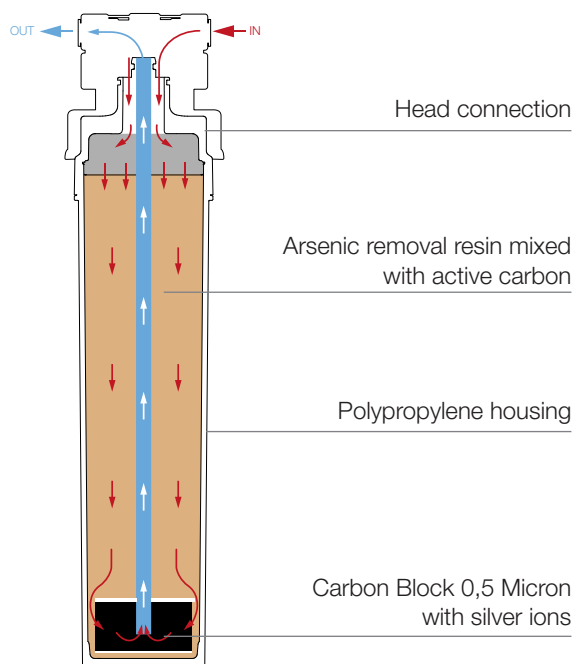


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**FILTER FOR REMOVING
ARSENIC**



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		
	BEFORE	AFTER
pH	7,42	7,35
Arsenic mg/l	3,1	Non rilevato
Iron mg/l	3,3	3,0

PARAMETERS		
SMALL	MEDIUM	LARGE
10.000 l*	15.000 l*	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.

PACKAGING (carsboard box 6 pieces)			
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

REPLACEMENT

We recommend replacing the cartridge at the end of its nominal range, or if the output flow rate is too slow. It's better that you replace the cartridge within 365 days of its installation. Before removing the cartridge, close the upstream water inlet and eliminate the pressure in the circuit by opening the downstream tap. To activate the cartridge correctly, open the inlet valve and supply water for at least five minutes before drinking it.

COMPANY CERTIFICATIONS

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

CERTIFICATION PRODUCTS

Complies with **MOCA** 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).