

# Profine® ZERO professional

## Reverse osmosis system

Profine® **ZERO** is a reverse osmosis system:

- high instantaneous flow rate
- without electricity
- includes activated pre-treatment and post-treatment activated carbon filters
- with expansion integrated vessel with patented features
- with an exclusive layout that creates important savings in water use
- exclusive and compact design
- equipped with integrated support bracket for horizontal and vertical mounting
- with conductivity adjustment screw

All features that make Zero Professional a unique product for osmotized water production.



DIMENSIONS			
CODE	WIDTH	DEPTH	HEIGHT
S0ZP0020-ALK	338 mm	147 mm	350 mm

PACKAGING		
WIDTH	DEPTH	HEIGHT
338 mm	145 mm	410 mm

TECHNICAL SPECIFICATIONS	
Time flow rate	24 l/h (4 bar)
Pre-Post filtration	Profine® Carbon Block 5 micron
Temperature min/max	5/35 °C   41/95 °F
Working Pressure	1,5 bar/6 bar   21.7 PSI/87 PSI

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The water treatment in the industrial and professional world is the essential to have water with specific chemical characteristics, starting from a common drinking tap water. In this scope the presence of salts dissolved in water is often incompatible with the equipments and working process itself. Reverse osmosis and its pre-treatments are specific processes that allow the salt reduction and allow the treated water to obtain the required qualities.

All Profine® equipments and systems allow to decide the residual salinity according to your specific quality and range requirements.

### USE

The use of ZERO professional is ideal in a wide variety of fields, from beverage and vending to cooking systems, steam ovens, washing systems, chemicals, photovoltaic panels, to dental surgeries.

### STANDARD INSTALLATION KIT

Support Bracket, 2 M6x20 screws, Spacer, Lateral drain support bracket 1/4" for OD 40 pipe, 2 pipes 8 mm x 1 m, 1 pipe 1/4" x 1 m.

### REPLACEMENT

The exclusive design simplifies filter change and both ordinary and extraordinary maintenance, boasting the absence of traditional hydraulic connections for an integrated circuit.

# Profine® ZERO

## professional

Reverse osmosis system

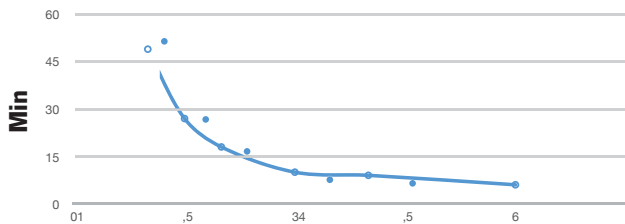


Temperature  
Min 5 – Max 35° C

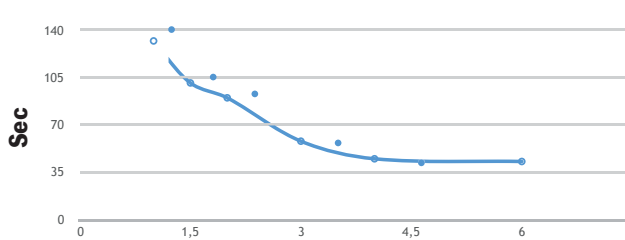


Operating pressure  
Min 1,5 bar - Max 6 bar

REFILL TIME



SUPPLY TIME



### TECHNICAL DATA

INLET PRESSURE	CAPACITY SUPPLIED IN 1 MINUTE	REFILL RESERVE
2,5/36 bar/PSI	2,4 litri	15 min
3/43 bar/PSI	2,7 litri	12 min
4/58 bar/PSI	3 litri	8 min

### TEST CONDITIONS

Inlet water temperature	15 °C   59 °F
Rejection	> 90
Recovery (typically at a pressure of 36 PSI)	40 %

### TECHNICAL DATA

PARAMETER (with by-pass off)		IN	OUT
conductivity at 77 °F	µS/cm	289	14,7
hydrogen ion concentration	pH	8,15	7,54
chloride	mg/l	3,1	0,223
solphates	mg/l	19,3	0,572
zinc	µg/l Zn	11,8	n.r.
calcium	mg/l Ca	32,4	1,48
magnesium	mg/l Mg	11,5	0,45
potassium	mg/l K	0,7	0,176
sodium	mg/l Na	2,07	0,52
total phosphorus	µg/l P <sub>2</sub> O <sub>5</sub>	29,8	n.r.
hexavalent chromium	µg/l Cr	0,94	n.r.
nitrates	mg/l	3,5	2,9

## COMPANY CERTIFICATIONS

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

## PRODUCT CERTIFICATIONS

Complies with **DM 25/2012** regulations.

## ENVIRONMENT

Dispose of the used cartridge according to Decision 2000/532/EC (CER code 15 02 03)