

# ZERO PROFESSIONAL

Your finest water for professional use



**Profine**  
water filter cartridges

**ZERO**  
professional

# ZERO PROFESSIONAL

## Your finest water for professional use

For professional applications it is essential to have water with specific chemical characteristics. Common drinking tap water rarely meets these requirements. In this scope, the presence of salts dissolved in water is often incompatible with the equipment and the working process itself. Reverse osmosis and its pre-treatments are specific processes that reduce the salt level and allow the treated water to obtain the required qualities. The Zero Professional provides the residual salinity according to your specific quality and range requirements.

### Great performance, without electricity

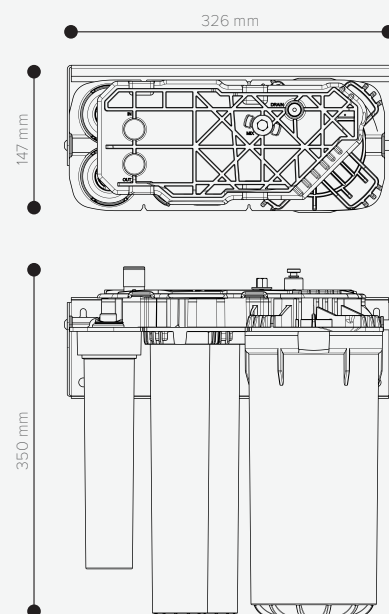
The Zero Professional harnesses the power of water intelligently, providing hyperfiltration as nature does it. Without the use of a pump and electricity, the Zero Professional produces up to 3 litres of excellent osmosis water per minute.

### Exclusive and compact design

Designed to be free of fittings and components, the water circulates through a single integrated circuit. Pre-treatment & post-treatment cartridges, a mounting bracket and conductivity adjustment screws are included with the unit.

### Purely professional

Perfect for a wide variety of applications ranging from beverage & vending solutions, cooking systems and steam ovens to washing systems, chemicals, photovoltaic panels and dental surgeries. In short, for all devices that work in cycles with low demands of water volume and that require high instantaneous flows.



## **Profine® ZERO PROFESSIONAL offers in one product**

- A high instantaneous flow rate
- No electricity required
- Savings in water use thanks to the exclusive layout
- Easy maintenance



## **Utility**

### **INSTALLATION**

ZERO PROFESSIONAL can be mounted in a vertical or horizontal position. For installation, follow the local regulations in force and the instructions of the equipment.

### **STANDARD INSTALLATION KIT**

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

# ZERO professional

## Technical specifications

|                  |                          |
|------------------|--------------------------|
| Time flow rate   | 24l/h (@4bar)            |
| Working Pressure | min/max 1,5 bar / 6 bar* |
| Temperature      | min/max 5° C / 35° C     |

\* For continuous operation near the limits, please contact us.

## Technical Data

| INLET PRESSURE | CAPACITY SUPPLIED<br>IN 1 MINUTE | REFILL TIME |
|----------------|----------------------------------|-------------|
| bar/PSI        | l/min                            | min         |
| 2,5/36         | 2,4                              | 15          |
| 3/43           | 2,7                              | 12          |
| 4/58           | 3,0                              | 8           |

### TEST CONDITIONS

|                                                                                                                |      |
|----------------------------------------------------------------------------------------------------------------|------|
| Inlet water temperature                                                                                        | 15°C |
| rejection                                                                                                      | >90% |
| * Variable depending on the temperature and the quality of incoming water.                                     |      |
| recovery                                                                                                       | 40%  |
| * Typically at a pressure of 36 PSI & variable depending on the temperature and the quality of incoming water. |      |

## Parameter

| parameter (with by-pass off) |           | in   | out   |
|------------------------------|-----------|------|-------|
| conductivity at 25°C         | 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 P2O5 | 29,8 | n.r.  |
| hexavalent chromium          | μg/l Cr   | 0,94 | n.r.  |
| nitrates                     | mg/l      | 3,5  | 2,9   |



Temperature  
Min 5 – Max 35° C



Operating pressure  
Min 1,5 bar - Max 6 bar

## Installation

