

# Reverse Osmosis



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# Reverse Osmosis

**WALO**  
PROFESSIONAL

REVERSE OSMOSIS WALO

In case of insufficient production of permeate water due to blockage or malfunction of the osmosis system, just press the **BYPASS** button on the dashboard and the dishwasher will be automatically loaded with water.

Particular attention has been dedicated to the **VESSEL**, built of 304 stainless steel: inside there is a system that prevents the telescopic effect of the membrane due to the high pressures generated by its gradual blockage. The frontal compartment allows an extremely easy replacement of the membrane without removing the unit from its housing.

Each machine is equipped with a **FILTER** capable of retaining any substances and impurities which can be harmful to the membranes.

The WALO Professional osmosis, used for water treatment, are able of altering the organoleptic and chemical characteristics as well as greatly reduce the salt content. The machines are specially designed to serve dishwashers and glass washers with break tank device and rinse booster pump or with a boiler fed with network pressure.

The equipment is divided into three distinct technical compartments (hydraulic functional compartment, frontal inspection compartment, dashboard and electrical components) to reduce and facilitate routine maintenance operations aimed at the replacement of membranes, filter change and inspection of the electrical / electronic parts.

## Automatic Cleaning System (ACS)

The osmosis has an **independent electronically managed system of opening/closing of the permeate and concentrate.**

This device allows to obtain a production of **only permeate without discharge of concentrate.** Once the permeate production is finished, the content of salts accumulated is expelled by opening the passage of the concentrate and closing the one of the permeate. The above mentioned method has two advantages:

- It greatly reduces inlet water flow
- Preserves deterioration of the membranes due to their washing at the end of each cycle.

# Reverse Osmosis



|                            | COLIBRI                             |                   |                                      |                   | ALBATROS                                  |                                           |
|----------------------------|-------------------------------------|-------------------|--------------------------------------|-------------------|-------------------------------------------|-------------------------------------------|
| TECHNICAL SPECIFICATIONS   | C150P                               | C150A             | C300P                                | C300A             | A150P                                     | A300P                                     |
| Production lt/h at 15°C    | 150                                 | 150               | 300                                  | 300               | 150                                       | 300                                       |
| N° membranes               | 1                                   | 1                 | 2                                    | 2                 | 1                                         | 2                                         |
| Tank                       | 1 expansion tank<br>5,5 lt at 3 bar | -                 | 2 expansion tanks<br>5,5 lt at 3 bar | -                 | 8 liters with<br>pressure pump<br>2,5 bar | 8 liters with<br>pressure pump<br>2,5 bar |
| Membrane cleaning          | -                                   | -                 | -                                    | -                 | A.C.S.                                    | A.C.S.                                    |
| Dimensions (mm)            | 250x560x525                         | 200x560x590       | 320x560x590                          | 200x560x590       | 240x550x510                               | 310x550x590                               |
| Weight (Kg)                | 35                                  | 30                | 45                                   | 40                | 40                                        | 50                                        |
| Acoustic level ((db (A))   | < 60                                | < 60              | < 60                                 | < 60              | < 70                                      | < 70                                      |
| WATER SUPPLY FEATURES      |                                     |                   |                                      |                   |                                           |                                           |
| Water type                 | Potable                             | Potable           | Potable                              | Potable           | Potable                                   | Potable                                   |
| Minimum temperature (°C)   | 5                                   | 5                 | 5                                    | 5                 | 5                                         | 5                                         |
| Maximum temperature (°C)   | 45                                  | 45                | 45                                   | 45                | 45                                        | 45                                        |
| Minimum flow (lt/h)        | 350                                 | 350               | 600                                  | 600               | 350                                       | 350                                       |
| ELECTRICAL CHARACTERISTICS |                                     |                   |                                      |                   |                                           |                                           |
| Type of supply             | Singlephase+Earth                   | Singlephase+Earth | Singlephase+Earth                    | Singlephase+Earth | Singlephase+Earth                         | Singlephase+Earth                         |
| Voltage (V)                | 230                                 | 230               | 230                                  | 230               | 230                                       | 230                                       |
| Frequency (Hz)             | 50                                  | 50                | 50                                   | 50                | 50                                        | 50                                        |
| Maximum power (W)          | 186                                 | 186               | 560                                  | 560               | 426                                       | 800                                       |

- Pressione di alimentazione da 1 a 5 bar
- Filtri di serie



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