

OUT CAB PRESENTATION

INDOOR
CLEANING
SOLUTIONS

OUTDOOR
CLEANING
SOLUTIONS

PHOTOVOLTAIC
PANELS
CLEANING
SOLUTIONS

TRANSPORT
CLEANING
SOLUTIONS



The OUT CAB application is created from the need to have a portable and independent pure water source not linked to mains and current water users for washing glass, panels and glossy surfaces.

Especially suitable for large photovoltaic fields, large structures with difficult access, pedestrian areas and historic centers.

Built for glass cleaning professionals and panels with high quality components and customizable in all details.

The OUT CAB line is designed to adapt to compact vans and trailers and provide the source of pure water for on-site cleaning



- **INNOVATION**
- **TECHNOLOGY**
- **EFFECTIVE**
- **ECOLOGY**
- **SAFETY**



MAIN GROUP EQUIPMENT

MICRON 5 FILTER



The raw water is microfiltered through a cartridge filter having a 5 micron filtration degree, before moving to the reverse osmosis section in order to protect the osmosis membrane spacers from dirt. Downstream of the filter a pressure gauge is mounted that indicates the pressure after the filter, in order to monitor the loss of load on the filter element and its possible degree of dirt.

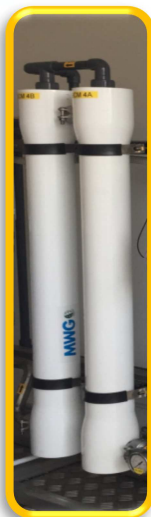
DOSING PUMP



The raw water is automatically drawn from the drinking network by means of the valve and undergoes the constant and proportional addition of a solution of the chemical ANTISCALANT [anti-scaler for membranes]. The chemical solution is prepared in the dissolver, and dosed with the dosing pump. The minimum level sensor signals the low level of the chemical and stops the production of permeate, to avoid dirt in the reverse osmosis membranes.



OSMOSIS MEMBRANE



Filtered and conditioned water with specific chemicals reaches the pressure of a high pressure pump that pushes the flow controlled by manometers into the two reverse osmosis membranes that generate the production of pure water whose purity is measured in the panel osmosis control, from a probe that reads during the exercise

FLUXING METERS



From the membranes comes the PERMEATO, pure water, a CONCENTRATED WASTE and a RICYCLE
The flow rate of these is measured by flow meters
The total production of pure water is the sum of the recirculation plus the permeate

TANK STORAGE



The osmotic water (PERMEATO) is sent to the storage tank in polypropylene and anti-lapping with level sensors to detect high / low level alarms or lack of osmotic water

PUMP GROUP



The stored osmotic water must be sent to the users through an automatic pressurization unit; to keep the water under pressure, a horizontal centrifugal pump is controlled by a pressure switch to maintain constant pressure on the distribution line