



# WATER TREATMENT FOR HUMAN CONSUMPTION, INDUSTRIAL PROCESSES, AGRICULTURE AND DESALINATION

Advantages and features

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Water comes from a variety of sources such as surface water, groundwater, rainwater and seawater. These have several physicochemical and biological characteristics that define them.

In order to be used for different intended uses, water needs to be treated to have adequate quality. Our water treatment systems are designed to face the challenges of different water sources and their possible contaminants.

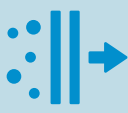


## OUR COMMITMENT

**ECODEPUR®** specializes in designing and manufacturing custom water treatment systems for domestic, industrial, agriculture and commercial applications

The development and application of suitable solutions for water potabilization can range from simple filtration and disinfection systems to the application of complex solutions such as reverse osmosis desalination, to meet requirements with the most appropriate methodology and in the most economically possible way.

We design compact structures to optimize available space, with a modular design that allows an easy upgrade of the system if necessary.



### FILTRATION

- Reverse Osmosis;
- Ultrafiltration;
- Multimedia filters;
- Centrifugal filters;
- Cartridge filters.



### ION EXCHANGE AND ADSORPTION

- Descalers;
- Deferrizers;
- Denitrifying filters;
- Activated Carbon Filter.



### DISINFECTION

- Chlorination;
- Ozonation;
- Ultraviolet Radiation.





# ADVANTAGES

- > CASE-BY-CASE SIZING – TAYLOR MADE SOLUTIONS
- > PROVEN EXPERIENCE
- > COMPLIANCE WITH TECHNICAL AND LEGAL REQUIREMENTS IN A RELIABLE AND DURABLE MANNER
- > EASE AND QUICK INSTALLATION (PRE-ASSEMBLED COMPONENTS IN FACTORY IN ISO 9001 CONDITIONS)
- > UPGRADE EASINESS IN CASE OF INCREASED CAPACITY NEED – MODULAR SOLUTIONS







## MODULAR SYSTEMS

ECODEPUR® modular treatment systems are flexible and can be easily adapted or expanded to meet specific needs. This allows the development of technical solutions that can evolve with project requirements over time.

## CONTAINERIZED

ECODEPUR® designs equipment in containers for easy movement and equipment protection increasing their durability.

ECODEPUR® containerized systems are Plug and Play solutions requiring un minimum of civil works for installation.

## DESALINATION

ECODEPUR® desalination system is a process that allows the conversion of salt or brackish water into drinking water, and plays a crucial role in ensuring universal access to drinking water.

Benefits of desalination:

- Access to alternative water sources: in areas where fresh water is scarce, desalination offers an alternative source of drinking water to reduce dependence on limited water resources.
- Industrial and agricultural use: in addition to human consumption, desalinated water can be used for a variety of industrial and agricultural applications, contributing to economic and sustainable development
- Reducing pressure on natural resources: by taking advantage of non-traditional water sources, desalination helps to relief pressure on natural resources, preserving rivers, lakes and aquifers.



### PORTUGAL

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