



CATALOGUE 2026

WATER TREATMENT SYSTEMS



BOX



BASIC



PLC



MOBILE



WATER TREATMENT SYSTEMS

REVERSE OSMOSIS DEVICES

Reverse osmosis water treatment units are able to solve the problem of excess solids in the water.

By using this technology, it is possible to obtain a production of water for direct flow or subsequent storing that is suitable both for potable uses and for technological uses in sectors such as agriculture, food and industry.

These processes are carried out in an ecological way, without the use of chemicals but through filtration processes in stages that act to improve the water quality.

This is a safe and environmentally friendly solution to extend the life of plants and optimize their efficiency with substantial savings on operating costs.

These systems are designed for highly professional and commercial uses. They normally consist with sediment filtration stage, an activated carbon stage, a booster pump suitable for continuous exercises and filtration modules with high solid rejection osmotic membranes.

Control, operation and maintenance management are carried out by programmable controllers. Automation and monitoring components ensure continuous operation and preventive safeguarding of plants throughout the entire life cycle.

APPLICATIONS

- Well water depuration
- Water treatment for boilers
- Steam generators
- Window and solar panel cleaning
- Dishwashers
- Humidifiers
- Laundries
- Fertigation
- Irrigation plans
- Aquariums
- Misting systems
- Food drink applications
- Autoclaves for laboratories
- Wellness applications

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BOX RO SERIES

RESIDENTIAL 3 STAGE PURIFIER

- Stainless steel case
- Sediment and active carbon prefiltering
- High performance osmosis membrane
- Orizzontal or vertical installation
- Brass rotary vane pump
- Easy access to filters and membranes
- Timed filters replacement
- Push-lock connections
- Automatic flushing systems
- Water shortage stop
- Anti-flooding system
- Fine setting of total dissolved solids



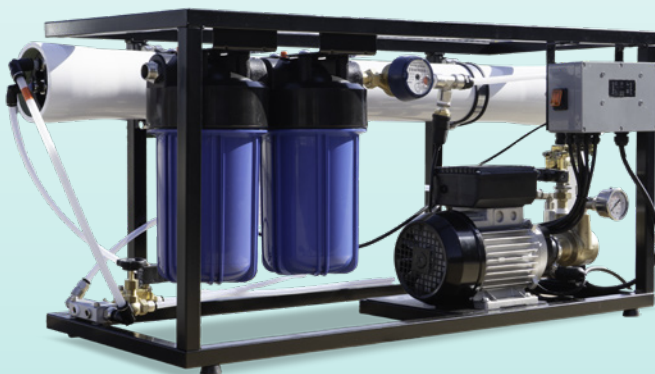
APPLICATION:

- Food-drink
- Steam generators and bath
- Aquarium
- Laboratories
- Fertigation

Model	Code	Connection V - Hz - W	Stages Sediment Carbon RO	RO Membrane Qt - Dim Size Type	Permeate (*)		Dimensions Cm.	Weight Kg.
					Lt/pm- Lt/h - GPD / Salt Rejection %			
RO 3012	80.10.00400	230 - 50 - 180	3	3012 TFC	1.2 -80- 500	98.5	48x47x15	18
RO 3013	80.10.00500	230 - 50 - 180	3	3013 TFC	1.7 -100- 600	98.5	48x47x15	18
RO 3013 HORECA	80.10.00510	230 - 50 - 180	3	3013 TFC	1.7 -100- 600	98.5	48x47x15	18

BASIC RO SERIES

3 STAGES WATER FILTRATION UNIT



- Robust frame for array configurations
- 4" high-efficiency membranes from 21" and 40"
- Quick-fit fittings up to 18 bar
- Controller with maintenance monitoring and flow management display
- Pressure switches for stop automations
- Outputs for storage tank level probes
- TDS and liter counter monitoring
- Flushing and water inlet solenoid valves
- Activated carbon stage with cylinder option and automatic dechlorination valve
- Optional pretreatment dosing pump
- Sediment prefiltration up to 4,5" BIG
- Fiberglass vessel up to 20 bar
- Brass rotary vane pumps
- Continuously operating motor with thermal protection
- Manual flushing valve
- Micrometric flow regulator
- Accessories for ordinary maintenance

APPLICATION:

- Technological use for industry
- Irrigation and fertigation equipment
- Well depuration
- Hot water boilers and Steam boiler feeding
- Water filtration for tooling liquids
- Laundries and ironing applications
- Soft wash and spotless cleaning
- Pools and wellness applications

Model	Code	Connection V - Hz - W	Stages	RO Membrane	Permeate (*)		Dimensions Cm.	Weight Kg.
			Sediment Carbon RO	Qt - Dim Size Type	Lt/pm- Lt/h - GPD / Salt Rejection %			
Basic RO 1x4021 FB	80.10.00005	230 - 50 - 300	3	1 - 4"x21" - BW	2.8-130-1100	99.5	63x44x50	50
Basic RO 2x4021 FB	80.10.00020	230 - 50 - 500	3	2 - 4"x21" - BW	4.5 -250-2000	99.5	63x44x50	60
Basic RO 1x4040 FB	80.10.00030	230 - 50 - 550	3	1 - 4"x40" - BW	4.5 -250-2000	99.5	120x44x50	70
Basic RO 2x4040 FB	80.10.00040	230 - 50 - 800	3	2 - 4"x40" - BW	9 -500- 3600	99.5	120x44x50	80

(*)flow rate values with 20°C - TDS <1500ppm NaCl

FB : Fiberglass vessel

BW : Brackish water type

SW: Seawater type

PLC RO SERIES

INDUSTRIAL FILTRATION PLANT



- Robust frame for array configurations
- High-performance membranes 4" x40
- Quick-fit fittings up to 18 bar
- Programmable PLC controller with monitoring and management display
- Pressure switches for stop automations
- Outputs for storage tank level probes
- Input and output TDS monitoring
- Flow meters and manometers for monitoring
- Flushing and water inlet solenoid valves
- Setup for GAC dechlorination with fullers and automatic valve
- Optional pretreatment dosing pump
- Sediment prefiltration BIG version 4.5x20"
- Fiberglass vessel up to 20 bar
- High efficiency stainless steel multistage pumps
- Continuously operating motor
- Manual flushing valve
- Micrometric flow and recycling regulator valves
- Accessories for ordinary maintenance

APPLICATION:

- Water for industrial technological use
- Well water purification
- Irrigation and fertigation systems
- Purification of wellness applications
- Feeding boilers and steam generators
- Preparation of lubrication coolants
- Laundries and Ironing Stores
- Softwash

Model	Code	Connection V - Hz - W	Stages Sediment Carbon RO	RO Membrane Qt - Dim Size Type	Permeate (*)		Dimensions Cm.	Weight Kg.
					Lt/pm- Lt/h - GPD / Salt Rejection %			
PLC RO 1x4040 FB	80.10.00050	230 - 50 - 1,1	2	1 - 4"x40" - BW	250- 2000	99.5	120x68x70	75
PLC RO 2x4040 FB	80.10.00060	230 - 50 - 1,1	2	2 - 4"x40" - BW	500- 3600	99.5	120x68x70	85
PLC RO 3x4040 FB	80.10.00070	230 - 50 - 1,5	2	3 - 4"x40" - BW	800- 5200	99.5	120x68x70	120
PLC RO 4x4040 FB	80.10.00080	230 - 50 - 1,5	2	4 - 4"x40" - BW	1000 - 6300	99.5	120x68x70	150

(*)flow rate values with 20°C - TDS <1500ppm NaCl

FB : Fiberglass vessel

BW : Brackish water type

SW: Seawater type

IDRO GAC

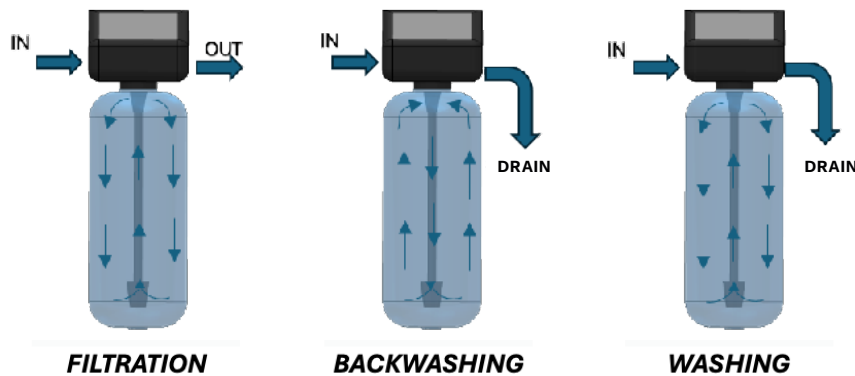
AUTOMATIC ACTIVATED CARBON FILTRATION SYSTEMS

Functions

- Elimination of chlorine, organic matter, chemical contaminants through the use of Granular Activated Carbon (GAC)
- RO Systems Pretreatment

Features

- Complete assembly with automatic connected valve applicable for water treatment systems for drinking and industrial use
- Management of the 3 cycles of filtration, backwashing and rinsing of activated carbon.
- Cylinders with PE composite support base made of fiberglass and epoxy resin
- Maximum pressure 10bar and maximum temperature 50°C
- Upper attack 2 1/2 " G
- EC compliance - DM174-2004



Code	Height	Diameter	Volume	Control valve	Filtered flow	Rinse flow
	(mm)	(mm)	(Litri)		Kv m3/hr	Kv m3/hr
ST.80.41600	435	180	8,6	RF67C1	0,15	0,5
ST.80.41610	435	204	10,8	RF67C1	0,18	0,5
ST.80.41601	605	180	12,4	RF67C1	0,20	0,5
ST.80.41602	770	180	16	RF67C1	0,25	0,5
ST.80.41603	892	180	18,8	RF67C1	0,30	0,5
ST.80.41620	1387	260	64	RF67C1	0,65	1,03

- Activated carbon contains 50 liters per bag and is equivalent to 25 kg per bag.
- Flow rates are based on 20 L/min of incoming water, standard loads of taste, odor, and chlorine (30%), and a contact time of 5 minutes.

MOBILE RO PURA SERIES

WATER FILTRATION MOBILE KART



- Mobile kart vertically and horizontally working
- High efficiency 4" x 40" reverse osmosis membrane for industrial use
- Manometer and flow-meter
- Prefiltering with sediment and carbon block
- Post-filtration with deionized resins on request
- Thermal switch for motor-pump unit
- Fiber glass vessel 20Bar
- Rotary vane pump brass-made
- Continous duty electric motor with thermal protection
- Valve for manual flushing
- Safety valve for overpressure
- Easy access for pre-filters and membranes maintenance operations
- 25 meter hosereel and TDS meter

APPLICATION:

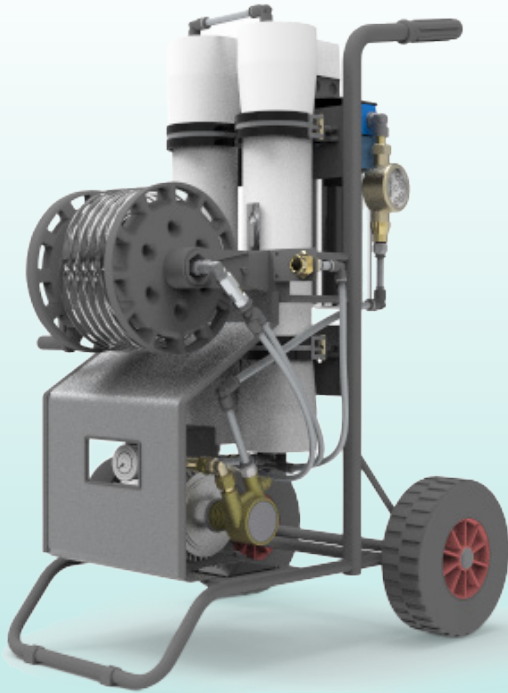
- Solar panel cleaning and window cleaning
- Water filtration for storing
- Carwash applications and preparation of detergents

Model	Code	Connection V - Hz - W	Stages Sediment Carbon RO	RO Membrane Qt - Dim Size Type	Permeate (*)		Dimensions Cm.	Weight Kg.
					Lt/pm- Lt/h - GPD / Salt Rejection %			
Mobile RO Pura 1x4040	80.10.00100	230 - 50 - 500	3	1 - 4"x40" - BW	4.5 - 1800	99.5	60x58x128	58
Mobile RO-DI Pura 1x4040	80.10.00150	230 - 50 - 500	4	1 - 4"x40" - BW	4.5 - 1800	99.5	60x58x128	58

DI version : Deionazing stage with resin

MOBILE RO COMPACT SERIES

REVERSE OSMOSIS WATER FILTRATION MOBILE KART



- Mobile compact kart vertically and horizontally working
- Battery operated optionally
- High efficiency 4" x 21" reverse osmosis membranes for industrial use
- Manometer and flow-meter
- Prefiltration with sediment and carbon block
- Post-filtration with deionized resins on request
- Thermal switch for motor-pump unit
- Fiber glass vessel 20Bar
- Rotary vane pump brass-made
- Continuous duty electric motor with thermal protection
- Valve for manual flushing
- Easy access for pre-filters and membranes maintenance operations
- 25 meter hose reel and TDS meter

APPLICATION:

- Solar panel cleaning and window cleaning
- Water filtration for storing
- Carwash applications and preparation of detergents
- Water treatments for pools

Model	Code	Connection V - Hz - W	Stages Sediment Carbon RO	RO Membrane Qt - Dim Size Type	Permeate (*) Lt/pm- Lt/h - GPD / Salt Rejection %		Dimensions Cm.	Weight Kg.
Mobile RO compact 1x4021	80.10.00170	230-50-300	3	1 - 4"x21" - BW	2.8 - 1000	98.5	60x58x100	55
Mobile RO compact 2x4021	80.10.00180	230-50-500	3	2 - 4"x21" - BW	4.5 - 1900	98.5	60x58x100	78
Mobile RO compact 12V	80.10.00200	12V DC - 52AH	3	1 - 4"x21" - BW	2.5 - 1000	98.5	60x58x100	80

FB : Fiberglass vessel

SS = Stainless steel vessel

(*) Average values with incoming water at 20°C - TDS <1500 ppm NaCl



IDROMATIC SRL has been producing professional high-pressure cold and hot water jet machines for more than 25 years.

Technical experience, continuous search for quality and attention to market represent the strength of our brand.

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