



ION EXCHANGE  
FOR DEMINERALIZATION  
AND RECYCLE  
MOD. IONEX

WITH AN ATTENTIVE  
EYE TO NATURE



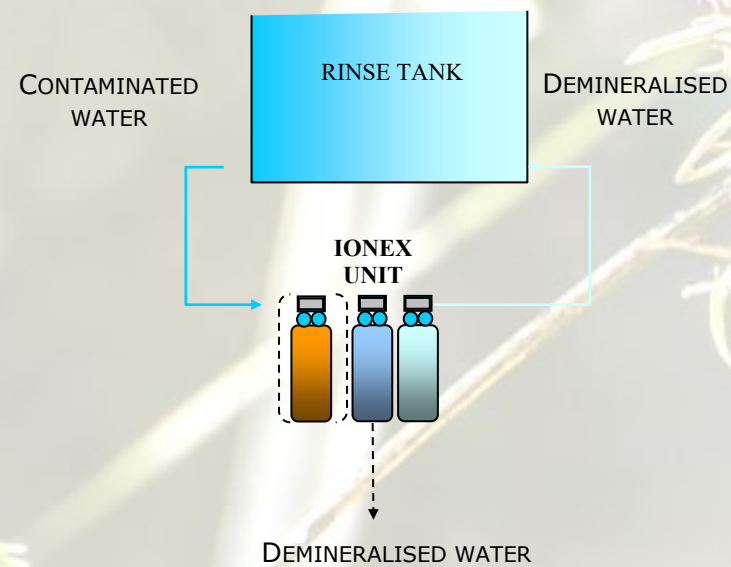


# RECYCLE DEMINERALIZATION IONEX SERIES

## APPLICATIONS:

- process water demineralization
- rinse water recycling demineralization

## WORKING CYCLES



## MODELS CAPACITY:

Model	Delivery (m³/h)	Dimensions	Cationic resins volume	Anionic resins volume	Active carbons volume
Ionex 12.075	1-1.5	2000 x 650 x 2200 h	75 l	75 l	75 l
Ionex 12.100	2-3	2000 x 650 x 2200 h	100 l	100 l	100 l
Ionex 12.150	3-4.5	2000 x 650 x 2200 h	150 l	150 l	150 l
Ionex 12.250	5-7.5	3000 x 1000 x 2300 h	250 l	250 l	250 l
Ionex 12.350	7-10	3000 x 1000 x 2300 h	350 l	350 l	350 l
Ionex 12.500	10-15	3800 x 1200 x 2400 h	500 l	500 l	500 l
Ionex 12.800	16-24	4400 x 1400 x 2500 h	800 l	800 l	800 l
Ionex 12.1000	24-30	5000 x 1600 x 2500 h	1000 l	1000 l	1000 l

## AVAILABLE MODELS

### IONEX ST UNIT

Standard unit using:

- Single automatic valves managed by PLC
- Metering pumps for reagents dosing
- Column in plastic reinforced by fibre glass



### IONEX HT UNIT

As ST unit but with different construction materials such as:

- Piping in PP PN 10
- Ebonized stainless steel columns
- High temperatures resistant resins

It is used when rinse water should have a temperature between 40 and 80°C.



### IONEX RX UNIT

Same as ST unit. It differs for a different functioning logic that allows to reduce volume of wastes produced during the regeneration step through storage and recovery cycles.

### IONEX LC UNIT

Low cost unit produced with:

- Multifunctional automatic valves
- Ejectors for reagents dosing



## OPTIONS

### IONEX TWIN UNIT

All the above mentioned models are also available in double chain version under the commercial name of IONEX XX TWIN.

### DIFFERENTIATED COLUMNS

This option of different dimensions columns allows to optimize the unit in case of unbalance between concentrations and pollutants.

### DOUBLE PUMPS

One pump works and the other is in stand by, assuring the continuous functioning of the plant during the maintenance operations.

### UV STERILIZER

It is provided when environmental conditions (mainly temperature and characteristics of the pollutants) make proliferating of bacteria inside the tanks and/or the column themselves.

### DIFFERENT DIMENSIONS

Upon specific request, units with different dimensions can be studied when standard dimensions are not compatible with the available spaces.