



# WASTEWATER TREATMENT

---

BEAUTY IN TECHNOLOGY

[www.incro-water.com](http://www.incro-water.com)



**Incro, S.A.** is an engineering company specialized in wastewater treatments. We shared our renowned expertise in evaporation technologies with clients all over the world.

We are a highly skilled team working to optimize our Mechanical Vapor Compression and Atmospheric Dehydration evaporators in order to meet the most demanding challenges.

Welcome to Incro, S.A. Welcome to Water.

## PHILOSOPHY

We deal with your problems.

We love to solve them in our special way.

Your satisfaction is our goal.

Our identity, simplicity and excellence in everything we do.

Enjoy it.

## HISTORY

**Incro, S.A.** Incro, S.A. was founded in 1975 by S.A. Cros (a 200-year old Spanish chemical company) and Intecsa (the industrial engineering division of the largest construction company in Spain).

Our shareholders are Grupo ACS, a world leader in infrastructure development, and Grupo Villar Mir, one of the largest privately-owned Spanish industrial groups.

Since 1999 we have been designing and manufacturing wastewater evaporators based on our patented Atmospheric Dehydration Technology (ADT).

In 2009, we complemented our experience in evaporation engineering with Mechanical Vapor Compression (MVC) technology. Since 2013 we are designing and producing our own MVC evaporators.



# TECHNOLOGIES

## MECHANICAL VAPOR COMPRESSION (MVC)

It is an evaporation process where the latent heat needed for wastewater evaporation is obtained from steam condensation into distillate.

It is particularly suitable for the recovery of high quality water. We have multiple references in the purification of wastewater generated in Surface Treatment, Die-casting Foundries and Metal Processing.



## ATMOSPHERIC DEHYDRATION TECHNOLOGY (ADT)

It is an evaporation process based on the ambient air capacity to absorb water vapor from effluents.

It is particularly suitable for the use of waste heat. We have multiple references in the treatment of leachate and wastewater generated in Chemical and Food Industries.



# MVC-MODELS

Capacity | Power Consumption | Dimensions



### TORTUGA

up to 50 l/h  
~ 70 kWh/m<sup>3</sup>  
~ 1560 x 935 x 1890 mm



### CAIMÁN

up to 100 l/h  
~ 70 kWh/m<sup>3</sup>  
~ 1890 x 1100 x 1890 mm



### PINGÜINO

up to 175 l/h  
~ 70 kWh/m<sup>3</sup>  
~ 2150 x 1295 x 2200 mm



### PELÍCANO

up to 250 l/h  
~ 70 kWh/m<sup>3</sup>  
~ 2310 x 1350 x 2400 mm



### FLAMENCO

up to 400 l/h  
~ 65-70 kWh/m<sup>3</sup>  
~ 2650 x 1500 x 2800 mm



### ALBATROS

up to 700 l/h  
~ 55 – 60 kWh/m<sup>3</sup>  
~ 3170 x 1800 x 2950 mm



### DELFIN

up to 1000 l/h  
~ 50-55 kWh/m<sup>3</sup>  
~ 4760 x 1900 x 3050 mm



### NARVAL

up to 1500 l/h  
~ 50-55 kWh/m<sup>3</sup>  
~ 4760 x 1900 x 3050 mm



### BELUGA

up to 2500 l/h  
~ 45-50 kWh/m<sup>3</sup>  
~ 5750x 2300 x 3900 mm



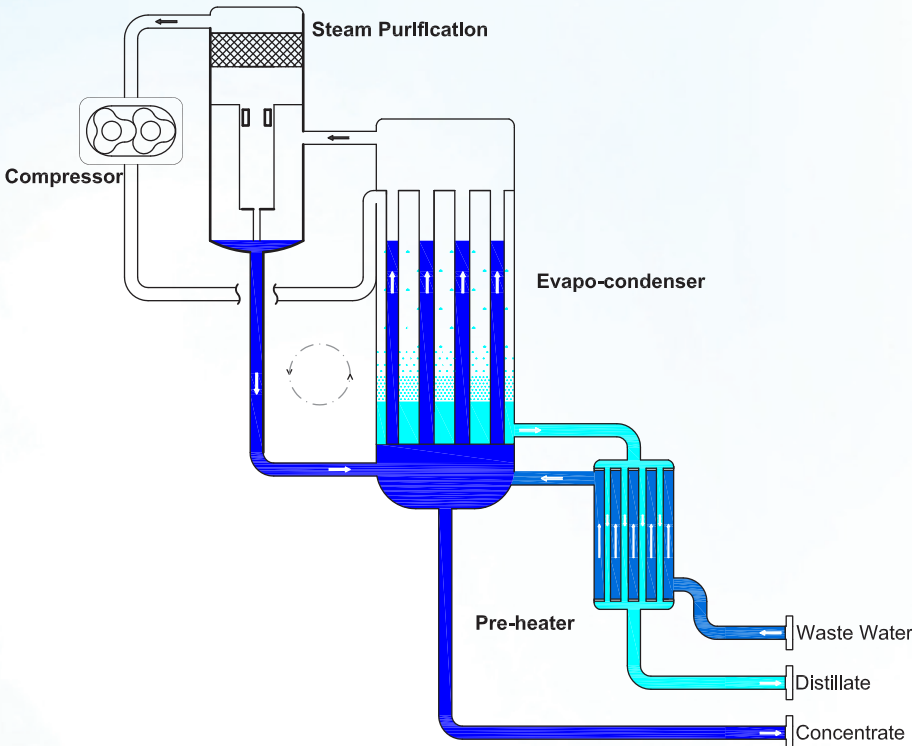
### ORCA

up to 3500 l/h  
~ 45-50 kWh/m<sup>3</sup>  
~ 5860 x 2380 x 3900 mm

It is stressed that these data are based on wastewater treatment and not on fresh water.

# PROCESS DIAGRAM

Our customer service is available for technical assistance, maintenance and spare parts.



Our supply is not limited to evaporators but includes the complete installation.



## INDUSTRIES

- Surface treatment**
- Waste management**
- Metal processing**
- Die-casting foundries**
- Tank cleaning facilities**
- Cosmetic industry**
- Aeronautical industry**
- Chemical and pharmaceutical processing**
- Packaging**
- Printed Circuit Industry**
- Landfills**

## POLLUTANTS

- Rinsing and active baths from surface treatments (powder coating, enamel coating, galvanization)
- Wastewater from demineralization plants regeneration
- Several (coolants, brines, surfactants, others)
- Coolants and lubricants
- Wastewater from cleaning
- Wastewater polishing by vibration
- Degreasing baths
- Release agents
- Wastewater from cleaning process
- Rinse water from crack testing system
- Products concentration
- Wastewater from cleaning circuits
- Leachates
- Concentrate from Reverse Osmosis





**Incro, S.A.**

Serrano, 27 | 28001 Madrid (Spain) | Tel.: +34 91 435 08 20 | [incro@incro.es](mailto:incro@incro.es)

[www.incro-water.com](http://www.incro-water.com)

