

PRODUCTS
AND TECHNOLOGIES
FOR BOOTH WATER
TREATMENT

WITH AN ATTENTIVE
EYE TO NATURE.



Products for Booth Water Treatment

PROPOSALS OF CONDOROIL



CONDORFLOC 43 P

Powder product used to coagulate paints dispersed in booths water making them floating on the surface. In this way paint can be filtered and separated and purified water can recirculate.
Conc. 2-3 % at room temperature.

CONDORFLOC 44 A

Thick liquid product used to flocculate paints dispersed in the booth water making them precipitating to the bottom.
Conc. 1-2% of the amount of the paint at room temperature.

CONDORFLOC CBL

Neutral viscous denaturation product with broad spectrum and high performance. Suitable for both water based and solvent based paints. It is able to reduce the surfactants present for greater foaming control.

CONDORFLOC AC 51

Anionic polimer, in powder form, for the flocculation of paint aggregates. Accelerate the sludge separation process.

CONDORFLOC AA 485

Concentrated emulsifiable product with high performance and low consumption. Ideal as an additive for flotation processes in the denaturing processes of paints in spray booths.

CONDORCIDE AP 12

Product to be added to painting booths water or to phosphocleaner solutions in order to eliminate bacteria proliferation which causes bad odours. Product perfectly matches all membrane regeneration plants such as ultrafiltration, etc.

ANTISCHIUMA T

Non-silicone defoamer for foam control in water-based paint booths.

PURIFICATION PLANTS FOR BOOTH WATER

The units here below have been developed to keep constantly clean the water coming from painting booths as well as water from humid abatement towers used to treat emissions of such booths

Sedimentation unit SD

Water to be treated is taken by a membrane pump and sent to two reaction tanks in series where it is mixed with proper treatment agents.

The so created suspension feeds the lamella clarification unit that provides the separation of the sludge from the clarified water.

The sludge separates in the hopper which is placed on the bottom of the decantation unit, it is compacted and held waiting to be transferred to the dehydration unit.

Clarified water comes out from an overflow and then is recycled to the painting booth.

Flotation unit FL

Water to be treated is taken by a centrifugal pump, pressurized and mixed with proper treatment agents.

The suspension is driven into a reaction pipe and then sent to a flotation unit.

Inside the flotation unit, a flow of small air bubbles catches the coagulums and brings them to the surface.

On the surface the coagulums are then transferred to the dehydrator by skimming blades.

Also in this case the clarified water comes back to the tank of the painting booth.



MODELS

Model	Treatment Capacity l/h	Installed power (KW)	Dimension (mm)
SD 10/6/05	1.000	0,5	1.800X700X2.000 h
SD 30/9/1	3.000	1,0	2.600X1.040X2.800 h
SD 70/12/1	7.000	1,0	3.200X1.340X3.200 h
SD 130/16/1	13.000	1,5	4.000X1.900X3.800 h
FL 10	1.000	2,0	1.400X800X1.800 h
FL 25	2.500	2,5	1.800X1.000X1.800 h
FL 70	700	3,0	2.200X1.200X2.000 h
FL 150	10.000	4,0	2.600X1.400X2.400 h

OPTIONAL

- Models different from standard.
- Dehydrators with draining bags:
DRY BAG 2 – DRY BAG 4 – DRY BAG 6 – DRY BAG 8
- Non standard execution
Standard units are made of AISI 304.
Different material can be used in case of technical needs.

