Machinery and Plants for Paper Industry Water Treatment Systems







Air dissolving tube ADT

Pressurization System

In a flotation process it is fundamental that the amount of the dissolved air into the water to be treated is in a correct ratio with the concentration of the suspended solids to be removed.

The efficiency of a flotation process is depending on the yield of the saturator that has to guarantee a continuous and homogeneous dissolution of the air into the water, to generate the microbubbles responsible of the flotation process.

The microbubbles, the lifting device for the solids to be floated up, are produced when the pressure is reduced from the saturator pressure at the atmospheric value, by laminating the pressurized water through a suitable depressurization valve. Then it is mixed with the raw water before entering the floation tank.



Horizontal design.

High efficiency reactor where the air is injected through a special porous membrane.

Air dispersion technology and centrifugal force in a small volume to get always maximum air transfer efficiency.





Model	Capacity m³/h	Tube diameter mm	Length mm	Panels n°
ADT 60	4	DN 150	920	1
ADT 150	9	DN 150	1450	1
ADT 300	18	DN 250	1350	1
ADT 500	30	DN 300	1420	1
ADT 750	45	DN 300	2050	2
ADT 1000	60	DN 300	2600	2
ADT 1500	90	DN 350	2750	3
ADT 2000	120	DN 400	3350	4
ADT 2500	150	DN 450	2950	4
ADT 3000	180	DN 450	3350	6
ADT 3500	210	DN 450	3950	6

