

Machinery and Plants for  
**Paper Industry**  
**Water Treatment Systems**



**Quadraflot CQF**  
Dissolved Air Flotation Unit

# Quadraflot CQF

## Dissolved Air Flotation Unit

The Quadraflot is an equipment that, by using the dissolved air flotation technology, is providing the solid – liquid separation.

The floatation tank is rectangular shaped, very compact to be suitable for installation in narrow and limited spaces.

The clarification of the water takes place thanks the technology of the fluids passing through the inclined lamella system, that allows to increase considerably the flotation surface and consequently to reduce the space required for the installation of the unit.

The floated sludge is extracted by a scraping system.

The clarified water is collected by a holed manifold and the water level is controlled by an automatic control loop.

Possible sediments are collected in a sump and from there discharged by a timed pneumatic valve.

The flotation unit is achieving high performances in combination with an high efficiency pressurization system.

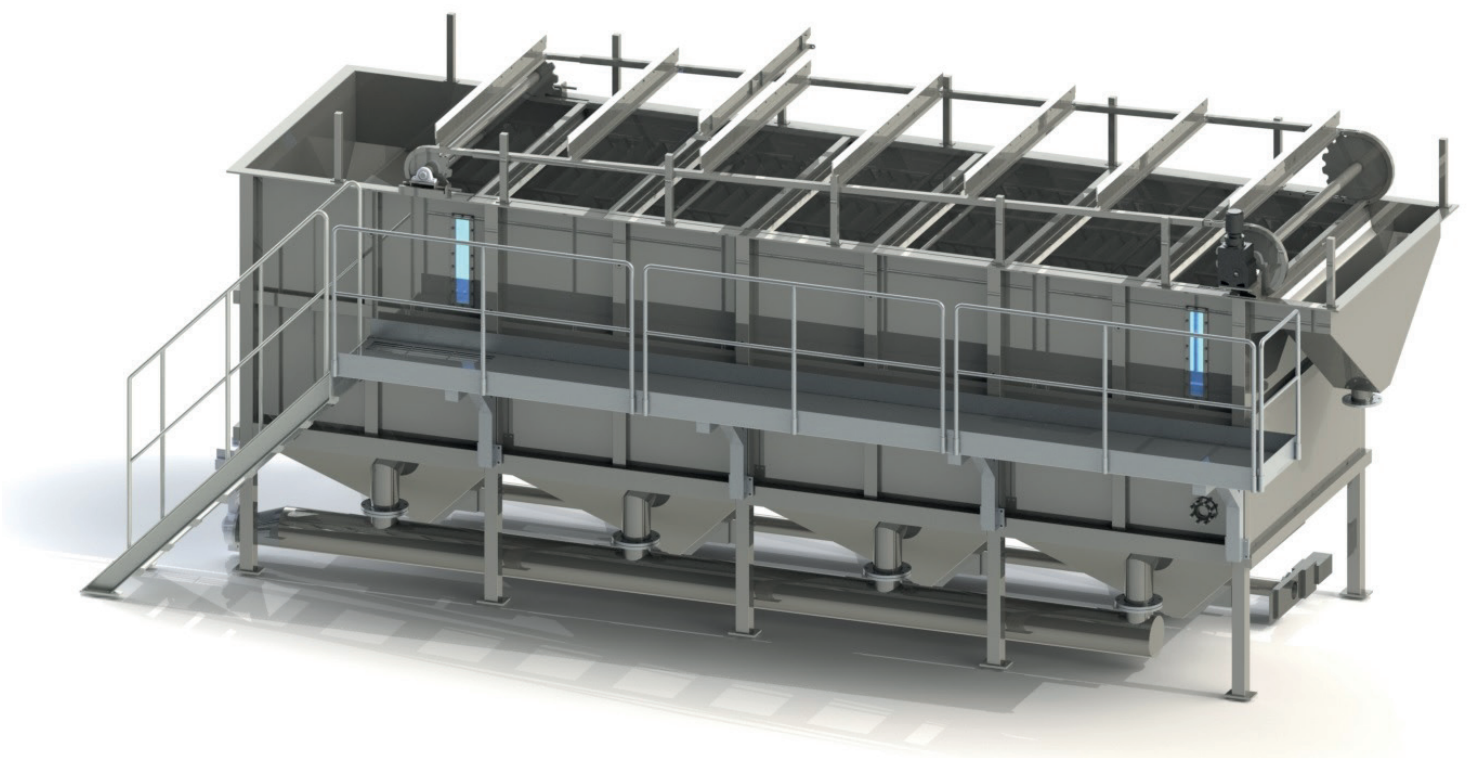
The process mode may be operational on partial or full flow of the raw water or recycling flow pressurisation

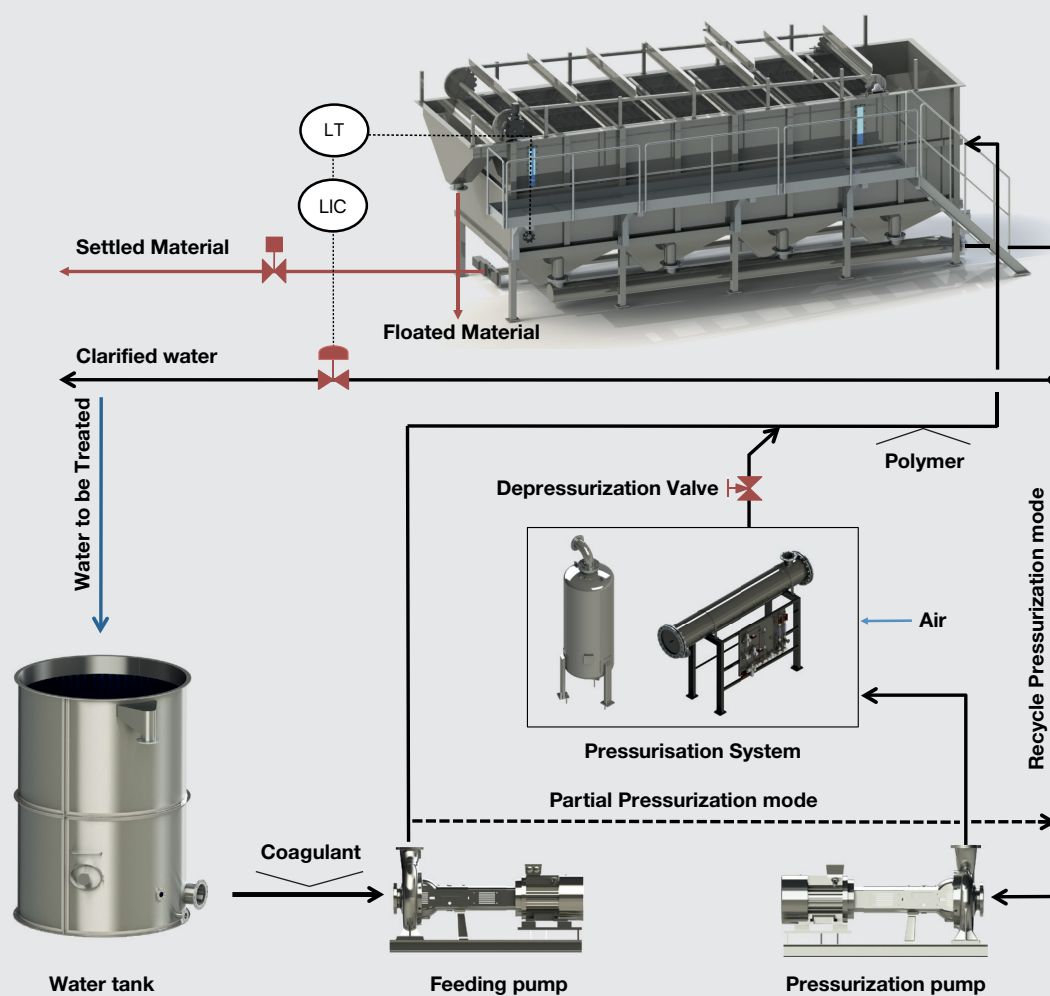
of the clarified water. The mode is evaluated during the project phase.

The Quadraflot is a simple and easy unit to be operated, resulting in a system showing high efficiency in a limited installation area.

### Applications sectors:

Paper and Board Industry  
Oil Refinery  
Mining Industry  
Chemical and Pharmaceutical Industry  
Textile Industry and Tanneries  
Food and Beverage Industry  
Industrial Laundry  
Municipal and Industrial Water Treatment Plant  
Winery  
Dairy  
Abattoir  
Fish Industry  
Potable Water Plant





Model	Capacity m³/h	Height mm	Width mm	Length mm
CQF 40	40	3000	2000	3000
CQF 95	95	3000	2000	4500
CQF 150	150	3000	2000	6000
CQF 170	170	3650	2450	4800
CQF 220	220	3650	2450	5700
CQF 270	270	3650	2450	6600
CQF 325	325	3650	2450	7400
CQF 380	380	3650	2450	8300
CQF 435	435	3650	2450	9200
CQF 490	490	3650	2450	10100
CQF 540	545	3650	2450	11000
CQF 600	600	3650	2450	11900

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