



**ORGANIC MIST
ABATEMENT SYSTEMS**

In cooperation with:



TURNKEY FILTER PLANTS IN COOPERATION WITH EFC NV

Traditional mist eliminator filter systems demand frequent replacements of the candle type filter media and often come with one plasticizer drain tank only.

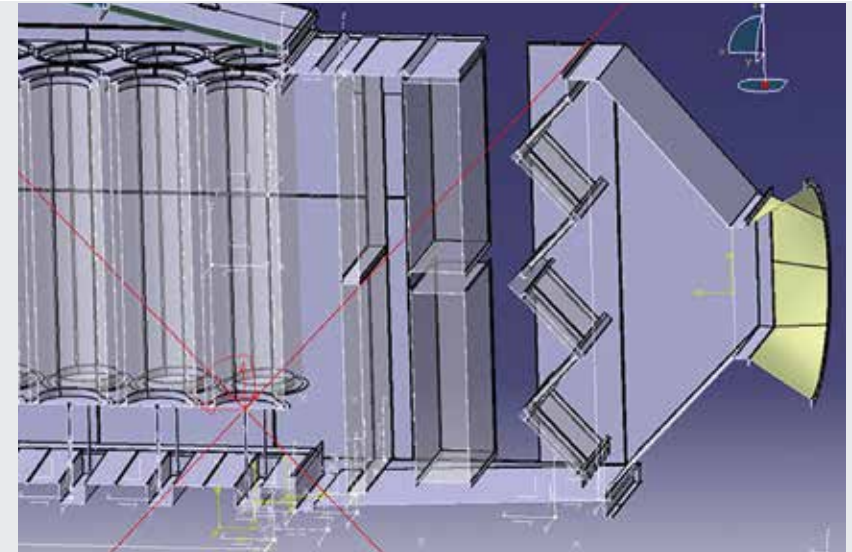
Those disadvantages are now solved by the newly designed filter plant of efc by European Filter Corporation (E.F.C.) and OLBRICH GmbH:

The main benefit is the innovative pre-filtration concept with a high-efficiency pre-filter. The pre-filtered substances are collected and drained separately.

The filter candle inserts in the main filter section are thus exposed to the pre-filtered air only and have a much longer lifetime. The plasticizer that is separately collected in the final filter is less contaminated by other substances or particles and could be recycled.

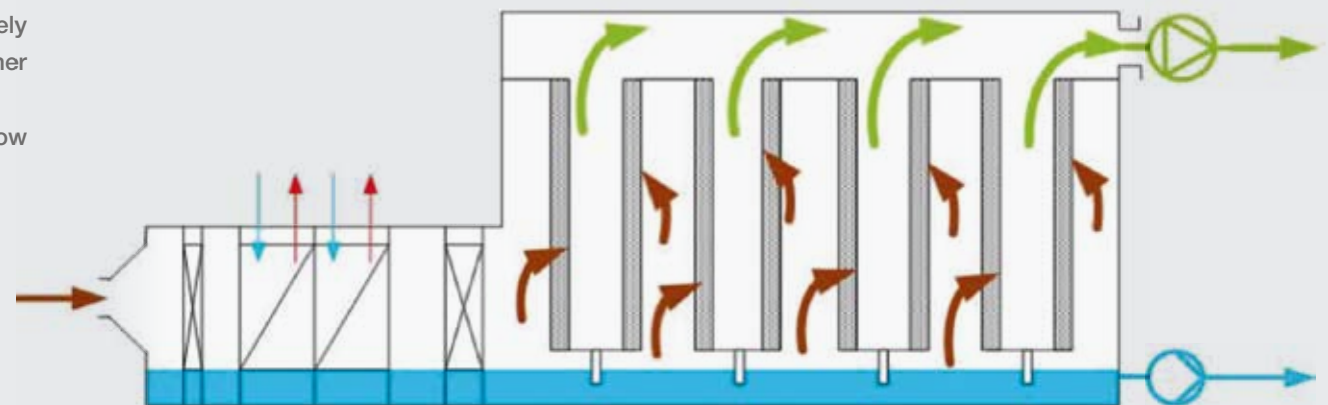
The entire filter plant ensures a horizontal gas flow through all main components.

Individual concepts can be considered – please ask our experts.



Detailed design of the pre-filter plant

Schematic principle of the new OLBRICH filter plant



Section 1	Section 2	Section 3	Section 4
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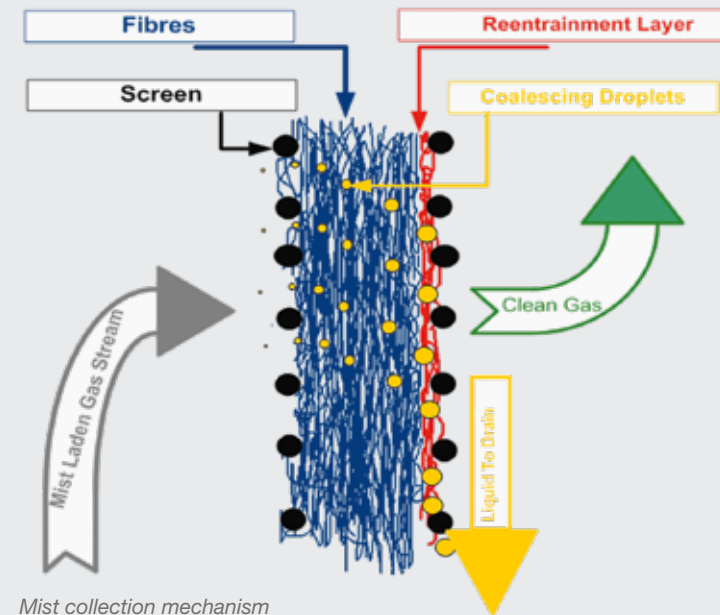
Organic mist abatement systems.

DECISIVE ADVANTAGES

- Horizontal gas flow through all main components
 - Metallic pre-filters (Section 1) for hot gas
 - HEX (water/air cooler (Section 2))
 - High efficient pre-filter (Section 3) for cooled gas
 - Atephos mist eliminators (Section 4)
- Custom designed atephos mist eliminators
- Optimum liquid drainage
- Reduced plugging risk
- Double stage pre filtration hot/cold gas
- Frequency controlled fan motor
- Optimum energy recuperation
- Optimization of existing plants
 - Efficiency increase
 - Candle life time improvement
 - Plant survey
 - Renewal of all types of mist eliminators

INNOVATIVE PRE-FILTRATION SYSTEMS

- Max. protection of the atephos candles
- High efficiency for droplets > 3 μ m
- Low pressure drop
- Very durable and washable
- Vertical arrangement
- Small solid particles washed out of the bed by self cleaning capacity



Mist collection mechanism

High efficiency pre-filter

