Technology for Water
ENVIROCHEMIE

PRODUCT INFORMATION

www.envirochemie.com

Flomar HL
(High-performance flotation for high hydraulic throughputs)
Physico-chemical treatment

The Flomar HL process is particularly suitable for treating medium to highly contaminated industrial wastewaters and rinsing waters, while offering high availability and maximum ease of operation.

Features

- Very compact and space-saving structure that maintains outstanding cleaning efficiency
- Maximum cleaning performance due to use of plate packages
- Highly effective, non-blocking dissolved air system
- Maximum cleaning efficiency due to variably adjustable precipitation and flocculation process
- Energy-optimised saturation system for maximum cost-effectiveness
- Low chemical consumption due to optimised Flomar flocculation process
- Maximum treatment reliability due to tailor-made Envifloc® treatment chemicals
- Easy to use due to EnviroChemie Asic touch panel visualisation and PLC
- Remote maintenance and teleservice available
- “Made in Germany / Swiss Made” components

EC VK T 2200 04/08 Ste English

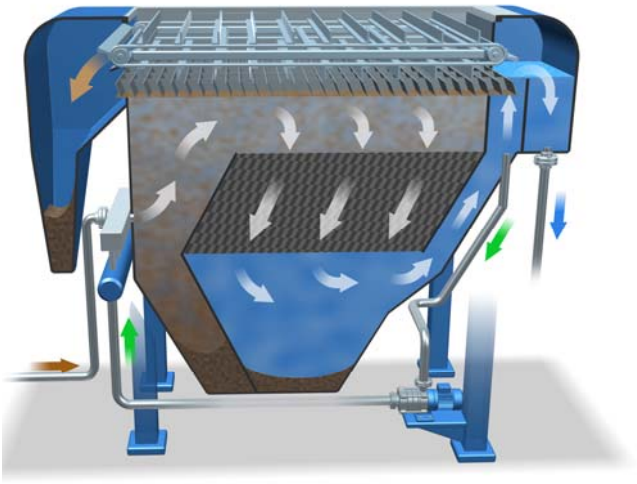
MENA WATER
MENA WATER ENVIRONMENTAL SOLUTIONS FZC

P.O. Box:120881
Sharjah SAIF Zone
United Arab Emirates

Tel.: +971 557 5507
Fax: +971 557 5508
www. mena-water.com

Flomar HF - mature technology

EnviroChemie has been using its tailor-made systems to produce high-quality solutions for the physico-chemical treatment of wastewater from different industrial sectors for more than 30 years.
Flomar HL high-performance flotation plants remove inorganic and organic components via the high surface area of the plate packages and thereby reduce wastewater polluting loads in a highly effective, economical way.
The largely standardised plant technology ensures that the customer benefits both from consistently outstanding quality and rapid project implementation.



Detailed view of the Flomar HL reactor

The Flomar HL process

Flomar HL is a continuously operating wastewater treatment process with integrated plate packages for flotation treatment of industrial wastewaters with a connected precipitation / flocculation process.
Envifloc® treatment chemicals are metered in the tube flocculator specially designed by EnviroChemie for optimum set-up of the wastewater treatment process, which minimises the consumption of chemicals.
The cluster of contaminants produced by precipitation / flocculation is directly separated from the liquid phase by means of the high-performance Flomar HL dissolved air flotation system. Further dewatering to minimise disposal volumes may occur in a subsequent sludge treatment plant. Wastewaters treated in this way can then be discharged indirectly or transferred to a further treatment stage.

Mature and specially designed Flomar software controls the plant via an ASIC® controller based on a freely programmable system (PLC). The control and plant concept includes various options which allow the basic design to be adapted to the specific conditions of the customer.

A user-friendly ASIC® touch panel makes it easy to operate, control and monitor the entire plant.
The plant can be monitored from an off-site location via a telephone connection (teleservice) as an option.

Standardised throughputs

Flomar - Type HL	Throughput
Flomar - Type HL 30	15 - 30 m³/h
Flomar - Type HL 50	31 - 50 m³/h
Flomar - Type HL 75	51 - 75 m³/h
Flomar - Type HL 100	76 - 100 m³/h
Flomar - Type HL 200	101 - 200 m³/h
Flomar - Type HL 300	201 - 300 m³/h

Special plants capable of throughputs up to 600 m3/h are available on request.

Hall construction and general building services to be provided by the customer

Subject to technical changes without notice