



FLOTATION, NPF

Dissolved air flotation for high capacities



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Dissolved air flotation, NPF, can either be integrated in a total solution or offered as a single product for your wastewater.

APPLICATIONS

Nijhuis Water Technology has developed a high capacity range of Optiflot flotation systems, type NPF, equipped with a lamella plate pack for the following applications:

- Suspended solids.
- Oil and Greases.
- Coagulated and flocculated particles.

ADVANTAGES & CHARACTERISTICS

- Compact built unit with plate pack.
- Construction of stainless steel.
- Standard range or tailor made.
- Laminar flow through unit for optimal removal efficiency.
- NPF LX standard range.
- NPF HX special designed range for low polluted waters which result in a high capacity per unit.



TECHNICAL DESCRIPTION

In the Nijhuis Water Technology flotation unit the separable particles will float to the surface. The floating particles will be removed automatically and continuously by a scraper mechanism.

A lamella plate pack is installed to increase the separation area of the unit and ensures that even the smallest flocs are removed from the wastewater. This makes the Optiflot NPF unit very compact.

The on-built recirculation system & aeration system is equipped with unique and patented non clogging aeration devices and will form very fine air bubbles who will support the separation of particles.

The unit is equipped with automatic sediment removal valves for removing any settled material. Unit selection is based on the type of waste water, the hydraulic and sludge handling capacity.

Type, Series	Hydraulic Capacity m ³ /hr	Sludge Load m ³ /hr	Length mm	Width mm	Height mm	Weight Empty - Full	Power kW
NPF 110 LX	137	1,7	4370	2619	3542	1900 - 17600	7,9
NPF 150 LX	196	3,5	4559	3971	3922	5500 - 32500	11,4
NPF 250 LX	326	5,8	6771	3945	3922	8000 - 56500	15,8
NPF 350 LX	457	8,1	9592	3951	3922	10500 - 80500	16,1
NPF 500 LX	653	11,6	12910	3957	3922	13500 - 110500	22,7

