



# FLOTATION, GDF

Dissolved air flotation for high pollution loads



## Optiflot Flotation System, GDF

The Optiflot, type GDF can either be integrated in a total solution or offered as a single product for your wastewater.

### APPLICATIONS

Nijhuis Water Technology has developed a range of Optiflot flotation systems, type GDF, which is specifically designed for wastewater streams with high pollution loads:

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

## ADVANTAGES & CHARACTERISTICS

- Large free surface specially for high polluted water.
- Design of aeration system based on sludge load, so optimal sludge consistency will be reached.
- Construction of stainless steel.
- Standard range or tailor made.





## 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.

An open unit design to create an optimal surface area to remove large amount sludge from the waste water.

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 wastewater, the hydraulic and sludge handling capacity.

Type, Series	Hydraulic Capacity m³/hr	Sludge Load m³/hr	Length mm	Width mm	Height mm	Weight Empty - Full
GDF 2	4 - 7,5	0,4 - 0,6	3249	1533	2420	550 - 2170
GDF 3	8 - 15	1,1 - 1,2	4747	1510	2420	850 - 3350
GDF 5	13 - 25	1,8 - 2,0	6799	1507	2420	1250 - 5000
GDF 8	20 - 40	2,8 - 3,2	6095	2616	2620	1850 - 10700
GDF 12	30 - 60	4,2 - 4,8	8121	2533	2620	2300 - 16800
GDF 16	40 - 80	5,6 - 6,4	10099	2802	2620	2850 - 15000
GDF 20	50 - 100	7,0 - 8,0	9346	2998	2620	3350 - 25500
GDF 24	60 - 120	8,4 - 9,6	10497	3300	2620	3450 - 29000
GDF 28	70 - 140	9,8 - 11,2	11038	3532	2620	3650 - 32700
GDF 32	80 - 160	11,2 - 12,8	11618	4621	2620	4500 - 39500
GDF 36	90 - 180	12,6 - 14,4	12368	4621	2920	4750 - 45500
GDF 40	100 - 200	14,0 - 16,0	13775	4621	3170	6000 - 68500

