



HIGH PERFORMANCE DAF-UNITS



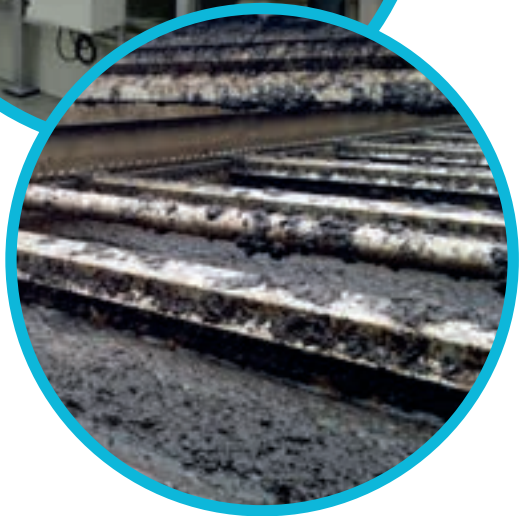
Known for their high efficiency and user-friendliness, the NOVOTEC DAF-units are widely used as first stage in a waste water plant. The dissolved air flotation unit collects and removes suspended matter (fat, oil and solids) out of the water and significantly reduces the load to the next cleaning stages.

Alternatively, DAF units are perfect to remove biological flocks as post-treatment or polishing technique in a biological plant.

The incoming waste water flow is cleaned by dissolving air in recycled water under pressure (saturated) and then releasing this air at atmospheric pressure in the flotation tank.

The released air forms micro bubbles (30 to 50 micron) which adhere to the suspended matter, so it floats to the water surface where it is removed by a skimming device. The thickening grid installed in the Novotec DAF units, assures an exceptional dry matter content up to or exceeding 3 - 6 %.

Adding lamella packages to the flotation unit, allows to increase the flow rate – due to the highly enlarged active settling surface.



Characteristics

- Compact design.
- Entirely preassembled.
- Easy to install and operate.
(Autonomous operation)
- Little to no maintenance.
- Excellent efficiency.
- Maximum separation
of suspended particles.



Applications

Pre-treatment:

- **Food industry:** slaughter houses, dairy, brewery, fish/meat processing, ...
- **Municipal applications:** drinking water production, sewage, septic tank sludge, ...
- **Chemical industry**
- **Metal recycling**
- **Tank cleaning**

Post-treatment:

- **Behind an aerobic/ anaerobic treatment:** as bio sludge separations unit, ...



- Capacities from 1 to 650 m³/h (NIF, NFU, NFP, NFH & BIOFLOT).
- Pilot units available.
- Stainless steel AISI 304
Acid proof steel AISI 316 – Plastic PP or PE.
- Also deliverable as complete containerized units.



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