

DAF15 Integrated Dissolved Air Flotation System

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The OSSO DAF15 unit is a compact dissolved air flotation system designed for the removal of FOG material, emulsified contaminants and dense flocs from industrial and municipal wastewater streams.

The system is suited to small and medium flow applications with high pollutant loads, providing effective pre-treatment for waters above pH 3.

Air saturation is achieved through a recirculation pump, pressure regulating switch and advanced air distribution system with recirculation pressure detection as well as bleed valves for removal of excess air pockets.

The system includes butterfly valves on suction and discharge, programmable sludge decant control, adjustable skimmer supports and variable paddle rotation speed to optimise sludge volume. Clarified water exits through the overflow system while floated and settled sludge are integrated and discharged separately via a pump.

Benefits

- Fully automated air transfer system
- Adjustable skimmer and chain supports
- Control of sludge production
- High efficiency/footprint ratio
- Integrated air compressor
- Easy to transport, easy set up with minimal lifts

Scope of use

- Industrial
- Municipal

Specifications

- Transport Size (L W H): 4500 x 2500 x 3300 mm
- Dry weight: ~3950kg, Wet weight: ~11450kg
- Flow capacity up to 50m³/h
- Power supply: 3phase 16kVA
- Power socket: 5 pin 32A 415V ~50Hz
- Inlet 8" / Outlet 8" (flange/bauer)
- Ground Bearing Pressure (empty): 35 kN/m²
- Ground Bearing Pressure (operational): 279 kN/m²

