

The EUDAF is a single monoblock unit with all parts mounted on a single skid. Wastewater is delivered to the unit by pumping or gravity flow. Influent stream is mixed with a side stream that is recirculated from the final effluent chamber. Side stream is saturated with air and the mixture is introduced into the contact chamber of the DAF unit. Heavy particles settle into the first section of conical bottom of the unit while the suspended matter is carried by micro air bubbles on the liquid surface.

Accumulated scum is then removed and conveyed to the sludge collection chamber by the action of a chain and flight mechanism. The liquid portion of the influent flows downwards through a lamella settler where remaining particles are separated and settle into the second section of the conical bottom of the unit. Settled particles are removed from two individual discharge ports installed at the lower bottom of the unit. Purified effluent flows through pipe(s) to the effluent chamber. Water level in the unit is adjusted with the use of overflow telescopic nozzles installed into the effluent chamber. A special multistage – multiphase pump is used to recirculate effluent to the inlet.

Compressed or atmospheric air is delivered to the recirculation pump and saturation of the air-water mixture is performed into the pressure vessel. Final purified effluent overflows through the discharge pipe.

## DISSOLVED AIR FLOTATION UNIT WITH LAMELLA SETTLER



**Disclaimer:** The information contained on this data sheet is intended for general information only and should not be considered to be complete or definitive. S.K. Euromarket Ltd reserves the right to make changes at any time, without notice, to any element of the equipment presented.

### AREAS OF APPLICATION

- Milk Industries
- Slaughter Houses
- Meat Processing
- Chemical Industries
- Paper Industries
- Dying Factories
- Industrial Laundries
- Other

### KEY FEATURES

- Robust Construction
- All Wetted Parts in AISI304 or AISI316
- Complete Skid Mounted Design
- Fully Automatic Operation
- With or without coagulation and flocculation
- Adjustable to Treat Different Types of Wastewater
- Above 80% in Solid Reductions

## TECHNICAL INFORMATION

MODEL	CAPACITY* m <sup>3</sup> /h	LENGTH mm	WIDTH NET mm	WITH with PLATFORM mm	HEIGHT mm	EMPTY WEIGHT Kg
EU-DAF05	5.0	1900	1090	1800	1450	450
EU-DAF10	10.0	2580	1090	1800	2000	600
EU-DAF15	15.0	2580	1090	1800	2300	700
EU-DAF20	20.0	2860	1340	2140	2238	900
EU-DAF25	25.0	2860	1340	2140	2238	900
EU-DAF30	30.0	2800	1590	2390	2375	1000
EU-DAF40	40.0	3200	1590	2390	2375	1100
EU-DAF50	50.0	3380	1590	2390	2450	1250

\*The capacity may vary in relation to wastewater characteristics and solids content



- Construction materials are stainless steel AISI304 (AISI316L optional)
- Unit maybe supplied with or without control panel
- For heavy solids loading external air supply is required
- Sludge removal pump(s) and discharge valves are not included

**For further details please request the technical specifications and drawings**

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