



OwaDAF is a solution built in a sea container, available in two different sizes: 20 and 40 feet containers. With efficient multiphase technology, the separation of solids can reach up to 98% of the result, which enables water treatment according to the circular economy in various industrial sectors.



The efficiency of the flotation unit is based on the KTM Bubble Generator – multiphase pump, which feeds micro and nanobubbles that separate solid matter and other impurities to the surface, making traditional dispersion or pure water supply unnecessary. In addition to air, the KTM Bubble Generator pump can feed other gases into the water, such as nitrogen and oxygen.

The flow capacity of one unit is approx. 50 – 300 m³/h, which can be increased with a set of several flotation units. The quality of the treated water always determines the final maximum capacity flow.

Examples by industries:

- ✓ **Food and beverage industry** – wastewaters
- ✓ **Waste management** – runoff and reject waters

BASIC INFORMATION



SIZE / TYPE OF CONTAINER

OwaDAF20 | OwaDAF40

Length: 20 feet 6 060 mm | 40 feet 12 192 mm

Width: 2 440 mm

Height: 3 225 mm (roof structure)



OPERATION MASS

25 000 kg | 50 000 kg



FLOW CAPACITY

5 - 75 | 5 - 150 m³/h

✓ **Product group** Solids removal

✓ **Product type** Flotation unit

✓ **Series** 5109-

✓ **Transportation weight** 5 500 kg | 9 500 kg

✓ **Manufactured by** Owatec Group Oy

✓ **Made in** Finland

TECHNICAL INFORMATION

✓ **Automation and control panel** ABB or Siemens

✓ **Pipe material** PE

✓ **Pool material** PE

✓ **Lamella material** PP

✓ **Inlet connection** DN100 flange

✓ **Outlet connection** DN150 flange

✓ **Pumps**

KTM Bubble Generator 40 - multiphase pump 4,8 m3/h
or KTM Bubble Generator 50 - multiphase pump 15 m3/h

✓ **Sludge pump** HDX40 6,4 m3/h

✓ **Level measurement** Ultrasound radar

✓ **Power supply** 63 A, 32 A

✓ **Pressure measurements for dispersion pump** -1-0 bar and 0-10 bar

✓ **Temperature measurement for dispersion pump** Fahrenheit / Celcius

✓ **Temperature measurement inside the container** Fahrenheit / Celcius

✓ **Turbidity measurement** 0-10 000 NTU

OTHER INFORMATION

✓ **pH of the treated water** 4 - 11

✓ **Temp of the treated water** 5 - 50°C

✓ **Ambient temp** 4 seasons

#JUSTPLUGANDPLAY

owatec Group

OULU, FINLAND
INFO@OWATEC.FI +358 40 132 0135