

WASTEWATER TREATMENT

DISSOLVED AIR FLOTATOR



RENDETECH





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The Rendertech Dissolved Air Flotator is the central component of a Dissolved Air Flotation (DAF) system and they are normally sold together. It is constructed from stainless steel and comes in a standard range of sizes suitable for throughputs ranging from 10m³/hr to 250m³/hr. Its rectangular design provides laminar hydraulic flow and effective separation of solids from the liquid phase. Rendertech flotators are designed for unmanned operation and for producing a sludge with high solids content.

LESS CLEANING

The (optional) bottom scraper ensures that heavy solids are automatically removed without the need for taking the DAF out of service for cleaning. A build-up of heavy solids in the bottom of the Flotator leads to an odour issue as the biological contents start to decompose.

SLUDGE WITH HIGHER SOLIDS CONTENT

The large surface area of a Rendertech DAF produces sludge with a high solids content to reduce the cost of disposal. A larger surface area provides more drying time to dewater the sludge before it is scraped into the sludge hopper. Adjustable scraper settings and water height gives the

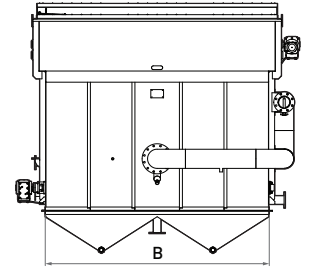
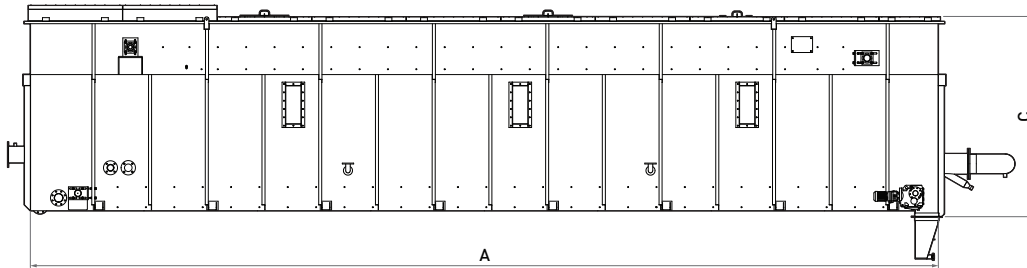
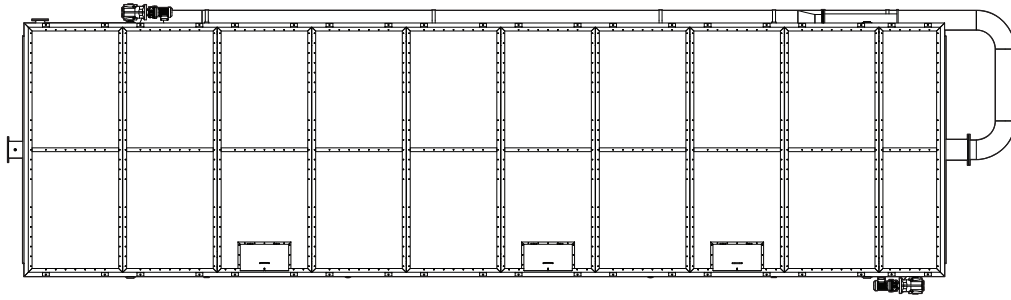
operator the ability to optimise sludge dewatering. Depending on the waste stream, dry solids of 10–15% is achievable.

HANDLES DIFFICULT WASTE STREAMS

Some waste streams (such as at dairy factories) produce a sludge that is highly variable and delicate. The lower hydraulic velocities within a Rendertech Flotator allow these sludges to float to the top and be removed effectively.

UNMANNED OPERATION

Rendertech Flotators are fully automatic and require only occasional operator input.



| | DAF 10 | DAF 25 | DAF 50 | DAF 75 | DAF 100 | DAF 125 | DAF 150 | DAF 200 | DAF 250 |
|---------------------------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| TECHNICAL SPECIFICATION | | | | | | | | | |
| Nominal flow rate (m ³ /h) | 10 | 25 | 50 | 75 | 100 | 125 | 150 | 200 | 250 |
| DAS model | 5 | 5 | 15 | 15 | 30 | 30 | 30/50 | 50 | 100 |
| PRODUCT DIMENSIONS | | | | | | | | | |
| Dimension A (mm) | 4,200 | 6,500 | 9,000 | 10,000 | 10,000 | 12,000 | 14,000 | 16,000 | 20,000 |
| Dimension B (mm) | 1,500 | 1,500 | 2,000 | 2,000 | 3,000 | 3,000 | 3,000 | 3,500 | 3,500 |
| Dimension C (mm) | 2,000 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |

OPTIONS

Dissolved Air Flotation (DAF) plants complete with dissolved air systems, chemical dosing, balance tanks and sludge storage

Bottom scraper and automatic sludge removal

Bird covers

Access platforms

YOUR PROCESS PARTNER

We are specialists in process and storage solutions, providing the products and technical expertise to get the best from your plant. For more information call for a no obligation chat about your processing needs.

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