

Dissolved Air Flotation (DAF) units

Response Group

Equipment
Data Sheet #: 31



Half Bridge
Scrapers

Picket Fence
Thickeners
(PFT)

Grit Traps

Recent Installations

- Galtee Meats Limited

Response Group manufacture a range of Dissolved Air Flotation (DAF) units for the treatment of industrial and municipal wastewaters. DAF technology is the process by which suspended solids, oil, fat and grease (OFG) are separated from wastewater by dissolving pressurized air into a recycled stream of the liquid to be treated. Micro-bubbles interact with the solids causing them to float to the surface where they are skimmed and separated. DAF efficiency can be significantly improved by chemical pre-treatment. High levels of BOD, COD and SS are removed in the process.

The DAF unit offered incorporates the following components:

- Prefabricated Reactor Vessel
- Adjustable Inlet Weir
- Baffles, Valves, Hopper Bottom
- Chain-operated Skimmer
- Compressor/Saturator Vessel
- Pressure Reduction Valve
- Recycling Pump / Pipework
- Sludge Pumping
- Local Control Panel

Key Features

- Galv./Coated MS Vessel
- Cost Efficient Compact Size
- Energy Efficient
- Low Pressure Design
- Design Flows 5 to 100 l/s
- Pilot Plant Testing
- Chemical Pre-treatment

Dissolved Air
Flotation (DAF)
Units

Surface Rotors
/ Aerators

Optional Features

- Odour Containment Covers
- Stainless Steel Construction
- Multiple Unit Design
- Concrete Tank Installation
- Remote Control

Rotating Bar
Interceptors
(RBI)

Tipping
Buckets

Dissolved
Aerations

Penstocks /
Stoplogs

Packaged
Pump Stations

Further information on our full range of products can be obtained at our website www.response-group.ie