



SWA DAF UNITS

SWA WATER AUSTRALIA designs, manufactures and constructs industrial waste water treatment plants and manufactures industrial oil separators, solids separators & DAF units. In recent years companies within the SWA Water Group of Companies have manufactured hundreds of Oil Separators, solids separators & DAF units. These projects range from very small separators for workshops and service stations to large oil refineries; from small food processing plants to large abattoirs. SWA's unique dissolved air system never fails and provides reliable performance and peace of mind.

Material available include:

- Epoxy painted carbon steel
- Stainless steel SS304 or SS316
- Duplex or super duplex stainless steel tank bodies
- Concrete tank bodies (constructed on site) - large units only

SWA DAF Units Range:

- Industrial Effluent Treatment DAF units
- Sludge Thickening DAF Units
- Co-current & counter-current
- Carbon steel, Stainless Steel
- Concrete tank bodies

Types of DAF Units Available:

- DAF - Dissolved Air Flotation
- DGF - Dissolved Gas Flotation
- DNF - Dissolved Nitrogen Flotation
- Integral or pre - DAF Oil Separation Plate Packs
- Chemical coagulation/flocculation
- Emulsion breaking

SWA DAF units at a glance:

- Compact process requiring less space
- Yields higher concentrations of sludge
- Factory made units from 1m³/h up to 500 m³/h
- Larger units constructed on site
- Capable of removing insoluble particles and oil/grease from a carrier water phase
- More than 20 units made in last two years
- Sludge thickening DAF units available
- Co-current and counter-current DAF units available
- Separates neutral density particles
- Design flexibility
- Customised chemical pre-treatment
- Recycle system creates microfine flotation air bubbles using SWA unique pressure air saturation pipe
- Wide range of applications
- Full treatment system integration
- Pilot Plants available



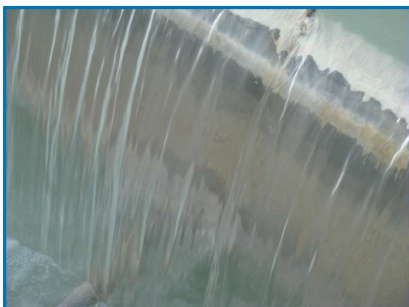
50 cu.m/hr Integrated CPI-DAF-EX
Integral Oil Separator Explosion
Approval Electricals



2 OFF 60 cu.m/hr DAF unit



40 cu.m/hr DAF Treatment Plant



Dairy DAF Treated Effluent



DAF with reaction & neutralisation tanks



Darling Harbour Harbourside Shopping Centre
DAF Treatment Plant



Dairy Factory WWT Plant

WATER & WASTE WATER ENGINEERS PROCESS DESIGN & CONTROL

Customised options include:

- Top and bottom scrapers
- Integral reaction tanks
- Screw conveyors
- Totally enclosed and gas blanketed
- Walkways
- Scraper washing systems
- Chemical treatment to enhance performance
- Explosion-proof electrics

SWA DAF Units For:

- Abattoirs
- Automotive Manufacture
- Biodiesel
- Chemical Manufacturing
- Coal Washing
- Commercial Kitchens
- Cosmetics
- Food and Dairy
- Ice Cream Manufacture
- Metal Finishing
- Oil Refineries
- Pharmaceutical
- Poultry Processing
- Power Stations
- Tanneries
- WAS thickening

What makes SWA's DAF units better than others?

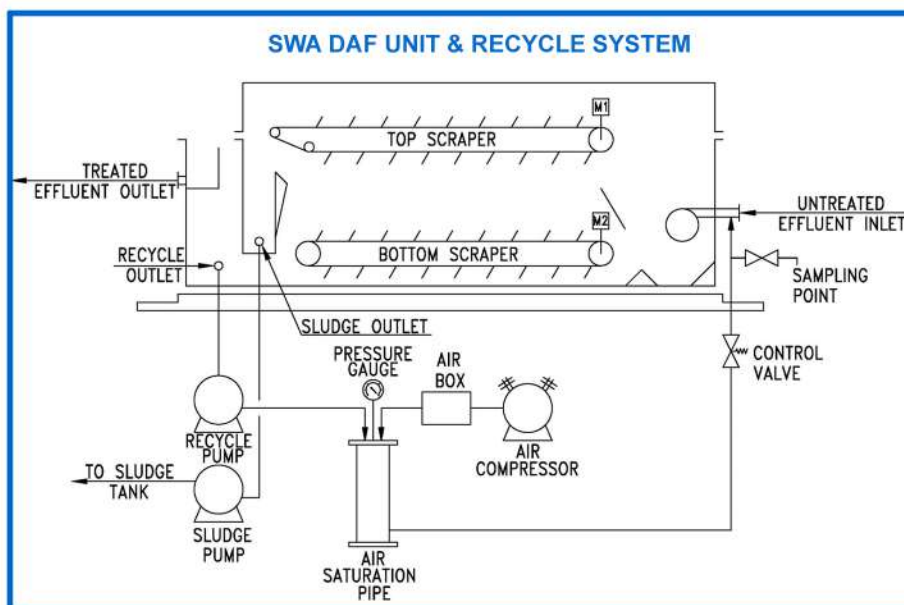
Conservative design, selection of superior materials and equipment plus many subtle features make SWA's DAF units extremely reliable, consistent in performance and user friendly for operation & maintenance.

The "little things" which make a good DAF unit into a "fantastic" DAF unit include easy to drain and clean DAF tanks, Air Saturator and pipe work; guards with safe edges and cutaway sections to allow adjustment of the scraper without removing the guards; sampling valves for easy and safe taking of samples; auto blade washing facility; easily adjusted weir plates; easily accessed pH probes; variable speed scraper motors, scraper motor over torque protection, scraper motor emergency stop pull wires, and the list goes on.

All of these features make SWA's DAF units stand out from the rest.



50 cu.m/h DAF Thickener Unit



SWA WATER GROUP
www.swawater.com.au

SWA WATER AUSTRALIA PTY LTD
Unit 9, 9 Fitzpatrick Street. Revesby,
NSW 2212 Australia
PO Box 235 Revesby North NSW 2212
Tel: (61 2) 9773 0845 Fax: (61 2) 9526 2795
Email: sales@swawater.com.au

SWA Water Malaysia Sdn Bhd
D-2-2 Megan Avenue 1
189 Jalan Tun Razak,
50400 Kuala Lumpur, Malaysia
Tel: +603 2181 3889
Fax: +603 2161 3889
Email: khailash@swawater.com.au