

PRODUCT SPECIFICATION & EVALUATION



Product: HYBRID Dissolved Air Flotation System (H-DAF)

Reviewed By: SOLTECK Engineering Dept

DESCRIPTION & SPECIFICATIONS

The new Hybrid DAF system is a start-of-the-art replacement for traditional DAF systems used in the waste water pre-treatment of industrial and municipal applications.

The Hybrid DAF is a combination of dissolved air and induction air. The induction air is added as a first stage of the process where it targets the heavy solid loading followed by dissolved air where it polishes off the final water prior to discharge from the system.

Fig.1 –H-DAF System



STRENGTHS

- More effective pre-treatment.
- Lower operating cost in power and maintenance.
- No blocking of pump valves or air nozzles.
- Proven to be more reliable than traditional systems.
- Handles wide range of loadings.
- Operates on all types of applications.
- Totally enclosed as standard (odour control).

TECHNICAL FEATURES

- Modular design, fully self-contained. Stainless steel construction.
- Ready for piping and electrical connection on site.
- Easily to configure and operate.
- Low electric power requirement and operating cost.
- Leading brand pumps, valves, electrics used throughout.
- No nozzles to clean, no calibration of air control valves.
- Bottom scraper fitted to larger units.
- Designed for easy access, cleaning and maintenance. Self-cleans automatically
- Can select suitable chemical program for each application.
- Standard remote-control and monitoring facility
- Support: Training and provision of testing on-site. Pilot test units available.

APPLICATIONS

The product has a wide range of applications and is particular suited to the following industries:

- Oil Industry
- Petro-chemicals
- Paper Industry

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