# 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

- 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 particularly suited to the following industries:
- Oil Industry
- Petro-chemicals
- Paper Industry

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<th>DOCUMENT STATUS &amp; NEXT REVIEW DATE:</th>
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</thead>
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