IDEAL DAF™ - DISSOLVED AIR FLOTATION
World Water Works total systems approach:

- Identifying design options to achieve customer’s stated goals
- Developing a detailed engineering design with customer interaction
- Manufacturing with emphasis on durability and design optimization
- Supporting customer with efficient installation, startup, and training
- Providing a system with long-term reliability and consistent performance

Let us serve as an adjunct to your process engineering team...

World Water Works works for you!

Dissolved Air Flotation (DAF) technology is the process where suspended solids, oils & greases, and other insoluble impurities are separated from water slurries by a process of dissolving air into water under pressure. Upon release of the pressure, microbubbles form. These micro-bubbles interact with the particles to cause them to float to the surface of a vessel where they are skimmed and separated.

World Water Works has developed a remarkable DAF – the IDEAL DAF™. Distinct, proprietary, and patent pending features explore new techniques to maximize Stoke’s Law, Brownian Motion, and Coagulation Principals. The result is significant performance and cost advantages at flow ranges from 5-9000 gpm (1-2000 m/hr). Pilot treatment plants are available.
Our policy is to understand the water process in your facility, carefully define the problem, need or opportunity and then develop a complete and reliable solution, based on your requirements, industry standards, and our innovations.

All concepts are thoroughly investigated through bench testing and pilot treatability studies to guarantee results.

Creative finance packages are available to provide cost effective solutions with immediate paybacks at lower risks.

World Water Works really works for you.

“World water works really has their act together - clear drawings and a specified timeline, met with no overruns: Six week delivery - Two day startup - great!”

Tim Delarm, Advance Brands
**Innovative Materials**

**POLYPROPYLENE SYSTEMS**

“We have stainless steel corrosion throughout our plant, so we Love the Polypropylene technology.”  Procter & Gamble

- No Size Limitations
- Lightweight
- Non-Corrosive
- Wide pH Range
- High TDS and Saltwater Tolerance
- Heavy Duty Construction
- Guaranteed LONG-LIFE
- High Temperature Tolerance
- Chemical Treatment Flexibility

**Design Technology ~ Patent Pending**

- Lower velocity
- Better separation
- Interstitial separation
- Maximum TSS removal

**Diversified Installations**

“...After the IDEAL MBBR™ process, IDEAL DAF™ is achieving less than 2 ntu water and less than 10 ppm TSS with only 1 ppm of polymer...”  Paul Taylor, Townsends

“...In a beef plant lot's of grease ends up in the sewers.  WWW designed a treatment which lowers the pH to crack the oils. Operational costs are low, and the poly system assures a long lasting piece of equipment!”  Jerry Little, Giordano Foods
“...we have not had to make any modifications to the original system, and have remained in compliance as our discharge volumes continue to increase...WWW’s continued support and communications has been exceptional.”  David Muskopf, Ken’s Foods

“Our dairy was facing huge surcharges, increasing every month. We installed the IDEAL DAF™ and witnessed dramatic reduction in sewer surcharges. The project paid for itself in less than two years.”  Eric Trummel, Alpenrose Dairy

“The state DEP was on our backs for discharging 500 gpm of high strength water. After installing WWW's equipment, we discharge less than 100 gpm. We are now up for an environmental award versus shutting down.”  Paul Mallet, APC Paper
## Ideal DAF™

* Flowrates based upon TSS of 1500 - 3000 ppm.
  Flow capacities re-rated outside range.
** Models without cone bottoms or plate packs.

All Models also available in stainless steel construction.
All weights and dimensions are approximate.
Specific system drawings are available upon request.
The Thickening Beach is optional.

**PATENT PENDING TECHNOLOGY**

### Ideal DAF™ Specifications

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<tr>
<th>Model #</th>
<th>Flow GPM*</th>
<th>Approx. Dimensions</th>
<th>Pipe Diameters</th>
<th>Shipping Weight lbs.</th>
<th>Operational Weight lbs.</th>
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