

FLOT-STAR™ DAF SYSTEM



PRE-TREATMENT

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The Flot-Star™ system utilizes dissolved air flotation, a flotation unit process using micro-bubbles designed to remove TSS, FOG/BOD, from a wastewater. Flot-Star is an upgrade in the bubble generation to air dissolution pumps. Dissolved Air Flotation is ideal for situations where particles and flocs are of neutral density, slow settling or buoyant. This is particularly relevant to the food industry and other industries where wastewater frequently carries large volumes of low-density solids, unsuited to settling systems or other water treatment methods. DAF also takes up considerably less space than settling methods



FLOT-STARPLUS™

Like the original Flot-Star™ system, the Flot-StarPLUS™ utilizes a DAF process to remove solids from water. Also like the original system, the Flot-StarPLUS works by producing a stream of micro-fine air bubbles that float solids to the surface, after which they are removed by a scraping mechanism. The Flot-StarPLUS additionally utilizes inclined plate packs as a component of the system

FLOT-STARMAX™

Another DAF system configuration, the Flot-StarMAX™ follows the same design principles as the others. However as opposed to being an upgrade for air dissolution pumps, the Flot-StarMAX upgrades bubble generation when compared to systems that utilize colloidal gas aphanes

APPLICATIONS AND MARKETS

- Food & Beverage
- Oil & Gas
- Industrial Waste Hauling
- Power
- Petrochemical
- Dairy

FLOT-STAR™ DAF SYSTEM

FEATURES & BENEFITS

- Factory-direct, pre-piped, pre-wired, and skid-mounted (application specific)
- Plug-n-play design minimizes installation costs and down-time
- Reduced capital and consumable costs
- Ease of operation and simplified unit performance
- Increased hydraulic loading and solids capacity
- No ASME code tank, compressor, or air control panel

