



# Dissolved air flotation technology

Krofta Engineering is a company that specializes in designing and manufacturing DAF systems and other water treatment equipment.

Dissolved Air Flotation (DAF) is a water treatment process that separates suspended solids, oils, and other contaminants from water using microbubbles of air. Krofta Engineering is a company that specializes in designing and manufacturing DAF systems and other water treatment equipment.

The DAF process involves introducing dissolved air into the water under pressure and then releasing the pressure to create tiny air bubbles. These microbubbles attach to the suspended particles and cause them to float to the surface, where they can be skimmed off and removed. This process is particularly effective for removing particles that are difficult to settle or separate using traditional sedimentation methods.

Krofta Engineering is known for its innovative approach to DAF technology and has developed various proprietary designs and systems for different applications. Their systems are widely used in industries such as municipal wastewater treatment, industrial wastewater treatment, food and beverage processing, paper mills, and more.

Some of the key advantages of DAF technology include:

- **Efficient Particle Removal:** DAF can effectively remove small and light particles that might not settle well in traditional sedimentation processes.
- **Compact Design:** Krofta Engineering and other companies have developed compact DAF systems that require less space compared to conventional settling tanks.
- **Versatility:** DAF systems can be tailored to treat a wide range of water types and contaminants.
- **Chemical Savings:** DAF can often reduce the need for chemicals compared to traditional treatment methods.
- **High Throughput:** DAF systems can handle high flow rates and treat large volumes of water efficiently.

It's important to note that my knowledge is based on information available up until September 2021, and there may have been developments or changes in the field of DAF technology or Krofta Engineering since then. If you're looking for specific and up-to-date information about Krofta Engineering's technology and products, I recommend visiting their official website or contacting them directly for the latest information.

Write to Us at : Krofta@kroftaengineering.com

visit us at - [www.kroftaengineering.com](http://www.kroftaengineering.com)

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