

Diffused Air / Dissolved Air Flotation Test Apparatus (DADAFTA)



Brand: OFI Testing Equipment, Inc.

Product Code: 298-00

Availability: Call for availability

Description

Dissolved Air Flotation and Diffused Air Flotation (both referred to as DAF), are water treatment processes that clarify wastewater by removing suspended matter such as oils and solids. Fine gas bubbles (usually from compressed air) are introduced into the liquid. The bubbles attach to the particulate matter and float them to the surface to form a froth. Chemical flotation aids are often used to enhance the DAF process.

The Diffused Air / Dissolved Air Flotation Test Apparatus (DADAFTA) simulates the DAF process on a small scale. The DADAFTA can be used to measure the floatability of a particular sludge when designing treatment plants and to evaluate chemical flotation aids.

Features

- Clear, unibody pressure cell withstands pressures up to 125 PSI (8.6 bar)
- Oil-less piston air compressor for high efficiency and constant performance
- Permeable ceramic disk used for the diffuser can be removed, cleaned, and reused
- Chemical flotation aid inlet with septum
- Stainless steel paddle for additional mixing capabilities
- Easy-to-read flow meter and pressure gauge
- Quick disconnect fittings

Applications

- Separation of flocculated matter in the clarification of surface water
- Separation of flocculated or non-flocculated oil in wastewater from refineries, airports, and steelworks
- Separation of metallic hydroxides or pigments
- Thickening of the activated sludge (or mixed sludge and primary sludge) from organic wastewater treatment plants

Specifications

- Maximum Pressure: 100 psi (689.5 kPa)
- Electrical: 115 Volt, 60 Hz or 230 Volt, 50 Hz

Part Numbers

- #298-00: 115 Volt
- #298-00-1: 230 Volt