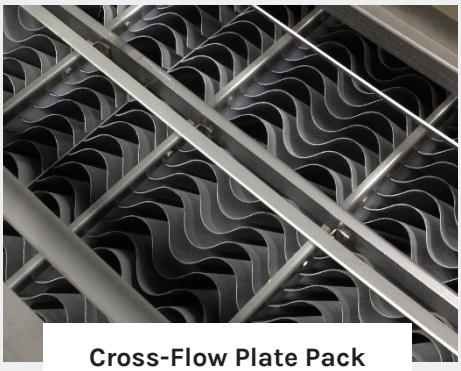
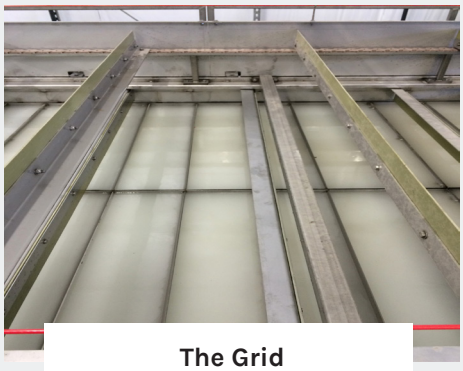
PCL SERIES / HIGH-RATE
DAF System



Cross-Flow Plate Pack
ENHANCED SOLIDS SEPARATOR

Air Dissolving Tube
WHITEWATER GENERATOR



The Grid
SLUDGE DEHYDRATOR

Overview

The FRC series of PCL Dissolved Air Flotation (DAF) units are high-built (tall) solid/liquid separators engineered for a variety of flow rates and applications. The PCL Series design utilizes a combination of cross flow plate pack technology and the sludge dewatering grid to generate sludge with high dry solids content.

Features

Cross-Flow Plate Pack
Inclined corrugated plate packs are installed within the PCL Series DAF units and are arranged for water to flow in a cross-flow configuration. These plate packs increase the effective area of the DAF unit, increasing hydraulic capacity. The increased hydraulic capacity allows for effective solids separation with a smaller footprint.

Air Dissolving Tube with ANSI Pumps
The PCL Series utilize the FRC angled air dissolving tube and an ANSI standard, non-proprietary pump to generate whitewater. ANSI recycle pumps bring clarified effluent to the air dissolving tube where it is mixed with a small volume of compressed air until saturation is achieved. The angled configuration of the tube allows for increased water and air interface so saturation occurs almost instantly. This robust and efficient system eliminates the need for costly specialty whitewater pumps.

Sludge Dewatering Grid
FRC's PCL Series DAF unit employs the sludge dewatering grid to hold sludge in place as it thickens and self-dewaters.

The Dewatering Grid helps:

- Operators control sludge thickness
- Eliminate pre-mature removal of solids
- Reduce build-up and/or re-entrainment of sludge
- Generate drier sludge

As with all FRC DAF systems, the PCL series is engineered for efficiency, reliability, and ease of operation. Automated controls and instrumentation remove process uncertainty and reduce the opportunities for user error. PCL units can be delivered in a turn-key fashion including controls, pumps, chemical feeders - all pre-wired, pre-plumbed, and skid mounted.

FRC
A Sulzer Brand

PO Box 3147
Cumming, GA 30028
Phone - (770) 534-3681
Email - FRCInfo@Sulzer.com
FRCSystems.com