

PCL SERIES DAF SYSTEM

flotation (flō -'tā - shən) // **noun** // Fr. 19c. **flotation**;
1. the act, process, or state of floating 2. the separation of
particles according to their relative capacity for floating on a
given liquid



CROSS-FLOW PLATE PACK
ENHANCED SOLIDS SEPARATOR

FRC's PCL dissolved air flotation system is a high-built solid/liquid separator designed for high flow rates and low hydraulic surface loading rates. The combination of **The Grid** and **Cross-Flow Plate Pack** create sludge with high dry solids content. The air dissolving **Saturation Tube** ensures only the finest bubbles are introduced into the flotation cell.

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 pair perfectly with F-Series pipe flocculators and can be delivered in a turn-key fashion including controls, pumps, chemical feeders - all pre-wired, pre-plumbed, and skid mounted.

THE GRID
SLUDGE DEHYDRATOR

SATURATION TUBE
DISSOLVED AIR GENERATOR



201 Lincoln Boulevard
Middlesex, NJ 08846

(732) 469-4540

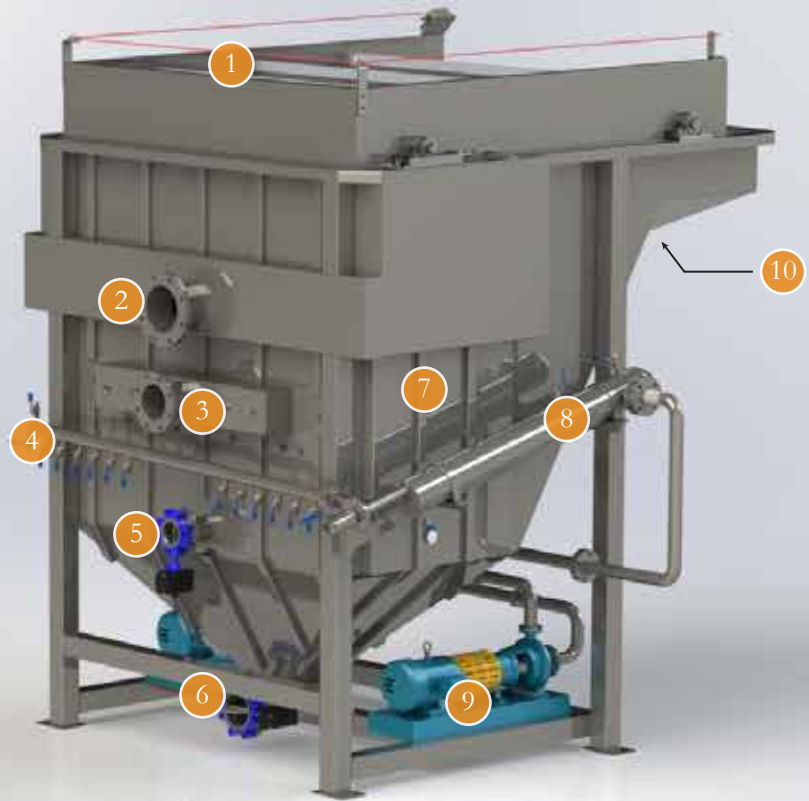
www.psiprocess.com

Employee Owned



PCL DETAILS

1. Skimmer Flights
2. Effluent Flange
3. Influent Flange
4. Dissolved Air Dispersion Manifold
5. Sand Trap Outlet
6. Settled Sludge Outlet
7. Plate Pack (inside tank)
8. Saturation Tube
9. ANSI Recycle Pump
10. Float Discharge



PCL MODEL SPECIFICATIONS

Model	Flow (gpm)	Free Area (sqft)	Effective Area (sqft)	Dry Weight (lbs)	Wet Weight (lbs)	Dimensions (LxWxH)
PCL-1	24	5.5	32	960	1,880	6'10" x 4' x 6'5"
PCL-3	42	7	65	1,930	4,430	7'6" x 4' x 7'10"
PCL-5	82	15	129	4,200	7,000	8'7" x 8' x 9'2"
PCL-15	165	33	258	6,200	19,000	9' x 8' x 10'4"
PCL-30	330	52	517	7,800	27,000	12'5" x 8' x 10'4"
PCL-45	495	78	776	9,400	37,500	16'4" x 8' x 10'4"
PCL-60	660	65	1,034	10,500	47,964	14'4" x 8' x 14'9"
PCL-90	990	87	1,550	13,000	63,118	17'8" x 8' x 14'9"
PCL-120	1,320	108	2,067	16,000	78,773	21' x 8' x 14'9"
PCL-150	1,650	130	2,584	20,540	96,350	24'2" x 8' x 14'9"
PCL-180	1,980	151	3,101	23,520	132,940	27'6" x 8' x 14'9"

* Consult FRC as values may vary based on process circumstances