



FRC
Systems International, LLC

PWL SERIES DAF

CAPACITIES FROM 20 GPM TO 800 GPM



- *Highest solids loading per flow rate available.*
- *Micro air bubble flotation.*
- *Highly concentrated skimmings*
- *Laminar flow in plate packs.*
- *Highly concentrated settled solids with automatic discharge valve.*

The PWL Series DAF system is a low-built Dissolved Air Flotation separator designed for very high solids loading. The system is equipped with a 90 degree corrugated plate pack zone to achieve a laminar flow for instantaneous separation of rising and settling particles. The PWL system uses a specially designed multi-stage turbine pump for air dissolving that is three to six times more efficient than conventional pressure tanks. Each PWL comes standard with two recycle pumps, (one operating, one standby, both installed). Skimmings are highly concentrated due to a full-length variable speed skimmer system with an integrated static grid thickener. Heavy particles, like sand and grit are concentrated using a bottom auger system, and are discharged through an automatically operated valve.

The PWL can be installed as a pre-treatment system before existing chemical or biological systems, or as an independent treatment system, with or without the addition of chemicals.

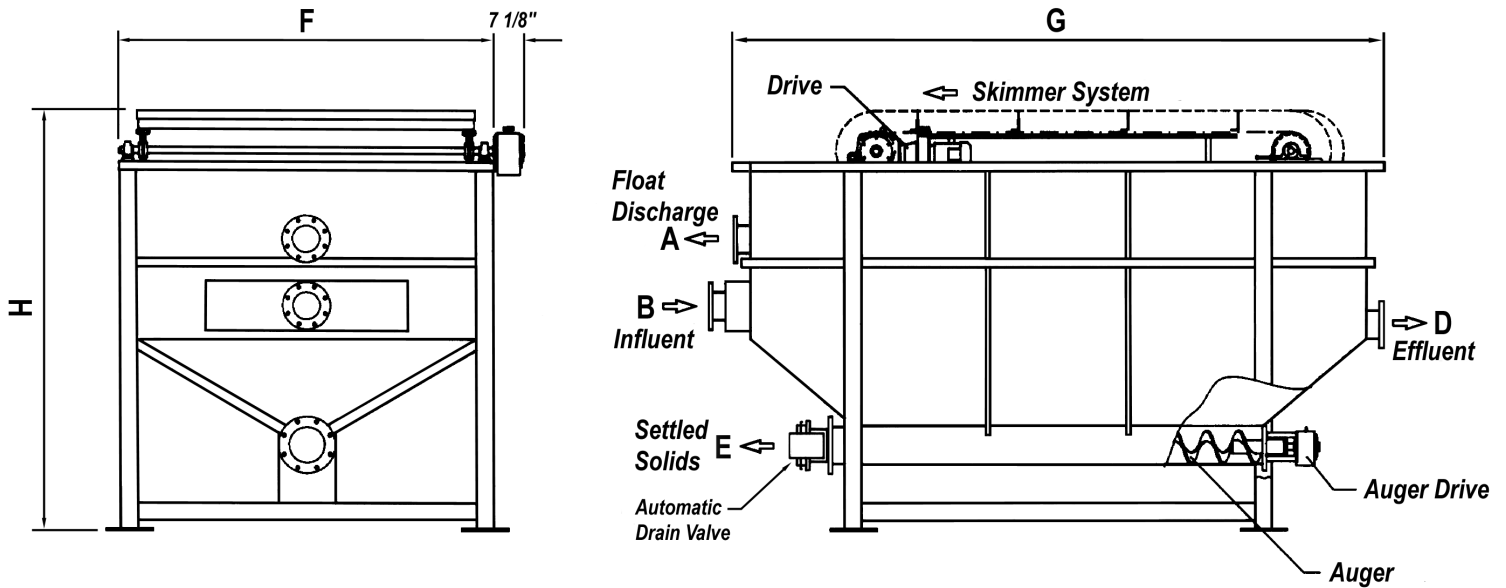
FRC Systems International, LLC

1770 Ridgefield Drive Roswell, GA 30075 O: (770) 534-3681 F: (770) 992-2289



FRC
Systems International, LLC

PWL SERIES



Dissolved Air Flotation Units

LEGEND	UNITS	MODEL NUMBER									
		PWL-5	PWL-10	PWL-15	PWL-30	PWL-50	PWL-65	PWL-80	PWL-100	PWL-120	PWL-180
Capacity	GPM	20	45	65	130	220	280	330	430	520	800
Free Surface	Sq. Ft.	14	27	48	87	126	150	166	205	244	408
Overflow Rate	GPM/Sq. Ft.	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.2	<2.2	<2.0
Weight - Empty	Lbs.	4000	4700	5280	6730	8250	9330	10400	11300	13760	18000
Weight - Full	Lbs.	9930	15480	22510	30000	38070	43100	47060	54590	63660	83275
A - Float Discharge	Dia. In.	4	4	6	6	8	8	8	10	10	10
B - Influent	Dia. In.	2	3	4	4	6	6	6	8	8	10
D - Effluent	Dia. In.	4	4	6	6	8	8	8	10	10	12
E - Settled Solids	Dia. In.	4	8	8	8	8	8	8	8	8	8
F - Width	Ft./In.	4'6"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	7'10"	11'2"
G - Length	Ft./In.	8'9"	8'9"	12'9"	18'9"	24'9"	28'4"	30'9"	36'9"	42'9"	47'6"
H - Height	Ft./In.	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	10'0"

* Capacities may vary with solids loading.