

P-TEC

HR MacroDAF™

CAPACITIES FROM 100 GPM TO 3000 GPM



- **High Flow Rates**
- **Compact Construction**
- **Micro-bubble Flotation**
- **Laminar Flow**
- **Stainless Steel Inclined Plate Packs**
- **Stainless Steel Flocculator Available**
- **Flotation and Settling in a Single System**
- **Automated Control Panel Included**

The HR MacroDAF is a High Rate Dissolved Air Flotation (DAF) system that utilizes inclined corrugated plate technology yielding very high flow rates in a small footprint. The system features all stainless steel construction and is equipped with two high pressure recirculation (air dissolving) pumps; one pump operating and one pump as a 100% stand-by. Very high solids concentration is achieved in the float material using a full-length skimmer system and unique static dewatering grid. Settled solids are discharged through automatic drain valves. System operation can be either manual or automatic using an automated control panel that integrates with other installed equipment, (feed pumps, chemical feed systems, etc.).

HR MacroDAF's may be installed as a pretreatment system, with or without chemical treatment, or as a clarifier for biological systems.

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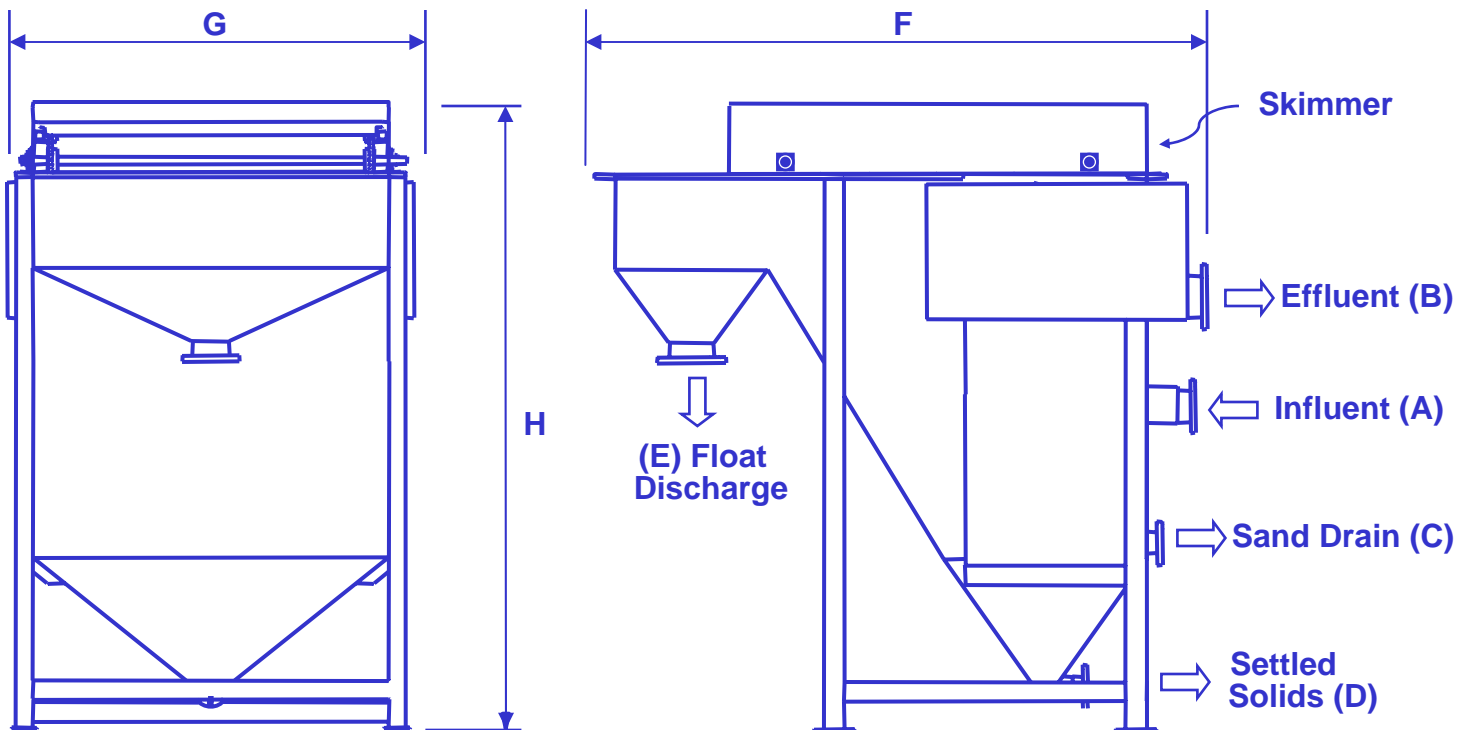
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Contact:

HR MacroDAF™



HR Dissolved Air Flotation Units

Description	Units	Model Number									
		HR-100	HR-200	HR-400	HR-600	HR-800	HR-1200	HR-1600	HR-2000	HR-2400	HR-3000
Capacity ☉	GPM	100	200	400	600	800	1200	1600	2000	2400	3000
Free Surface	ft. ²	19	38	64	90	92	117	143	168	216	260
Effective Plate Surface	ft. ²	93	185	371	556	742	1113	1485	1856	2227	2783
Overflow Rate	GPM / ft. ²	1.1	1.1	1.1	1.1	1	1	1	1	1	1
A - Influent	Dia. In.	4	6	6	8	10	12	14	16	16	18
B - Effluent	Dia. In.	6	8	10	12	12	14	14	18	18	20
C - Sand Drain	Dia. In.	2	4	4	4	4	4	4	4	6	6
D - Settled Solids Drains	Dia. In.	4	4	6	6	6	6	6	6	6	6
E - Float Discharge	Dia. In.	6	8	10	10	10	10	10	10	12	12
F - Length	Ft. / In.	10' 0"	10' 0"	13' 6"	17' 0"	18' 0"	21' 6"	25' 0"	29' 6"	25' 0"	30' 2"
G - Width	Ft. / In.	4' 6"	8' 0"	8' 0"	8' 0"	8' 5"	8' 5"	8' 5"	9' 6"	12' 0"	13' 2"
H - Height	Ft. / In.	10' 10"	10' 10"	10' 10"	10' 10"	16' 0"	16' 0"	16' 0"	16' 0"	16' 0"	16' 0"

☉ Capacities may be significantly decreased with high solids loading.