



# GreenFloat DAF

## Standard Program

We manufacture and sell our GreenFloat DAF as a stand-alone product and also as a complete wastewater treatment plant WWTP

All products are pre-assembled, tested and delivered ready-to-work. There is no need for special transportation arrangements and we can ship inside a standard container for quick delivery.



## SPECIFICATIONS

## MODELS

Design-Counter Current Air Flotation	GF 1	GF 1.2	GF 1.6	GF 2	HGD 50	HGD 100	HGD 200
Sizes, Ø m x H m HGD - square shape, Shipped ready to work, inside	0.95X2	1.2X2	1.6X2	2.2X2	5LX2.2WX 2H	10LX2.2WX 2H	11.5LX2.2WX 2H
Material	PP/SS	PP/SS	PP/SS	PP/SS	SS/CS	SS/CS	SS/CS
Treatment Flow, m <sup>3</sup> /hr, at 1000 ppm SS	1-5	5-8	8-18	18-35	50	100	200
Float area, m <sup>2</sup>	0.73	1.15	2	3.87	6	10	20
volume, m <sup>3</sup>	1.4	2.3	4	7.7	26.4	44	88
Hydraulic surface load, m/hr (nominal)	7	7	9	9	8.33	10	10
Solids surface load at 1000 SS inlet	7	7	9	9	8.33	10	10
Recycling rate range, %* by DAF pump	30-50	30-50	30-50	30-50	30-50	3-50	30-50
Recycling pressure, BAR	5-7	5-7	5-7	5-7	5-8	5-8	5-8
Separation rate, > %	95	95	95	95	95	95	95
Sludge dryness, > % DS	10	10	10	10	12	12	12
Total power installed, approx. kW (50% recycling rate)	2	3.2	7	8.5	12	24	45
<b>Standard equipment on board</b>							
Pipe coagulator, min	1-2	1-2	1-2	1-2	Coagulation tank with mixer	Coagulation tank with mixer	Coagulation tank with mixer
Vertical Mechanical Flocculator with speed control mixer, min	1-5	1-5	1-5	1-5	Various	Various	Various
Mechanical scraper, kW	0.09	0.09	0.25	0.25	0.5	0.75	0.75
DAF pump	✓	✓	✓	✓	✓	✓	✓
1 coagulant dosing pump**, L/hr	15	30	40	55	80	150	300
1 Flocculent dosing pump**	30	30	50	70	120	230	500
All valves, fittings, accessories and instrumentation	✓	✓	✓	✓	✓	✓	✓
Power & control system with PLC and MMI	✓	✓	✓	✓	✓	✓	✓
<b>Options</b>							
SAPPU (Semi Auto Polymer preparation unit) with heating provision, liters	200	1000	1000	2000			
APPU (Automatic PPU)	200	200	500	500	1000	1000	1500
Inlet pump with AUTO flow control, Consult CW	✓	✓	✓	✓	✓	✓	✓
Sludge storage tank, consult CW	✓	✓	✓	✓	✓	✓	✓
PH control set	✓	✓	✓	✓	✓	✓	✓
2 Dosing pumps for acid/base	✓	✓	✓	✓	✓	✓	✓
ASP sludge dewatering unit	✓	✓	✓	✓			

\*May be increased above 50% for higher solids loads \*\*May varies according the loads and applications, subject to change without prior notice



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