WCS Environmental Engineering
MARLOWE Environmental Services

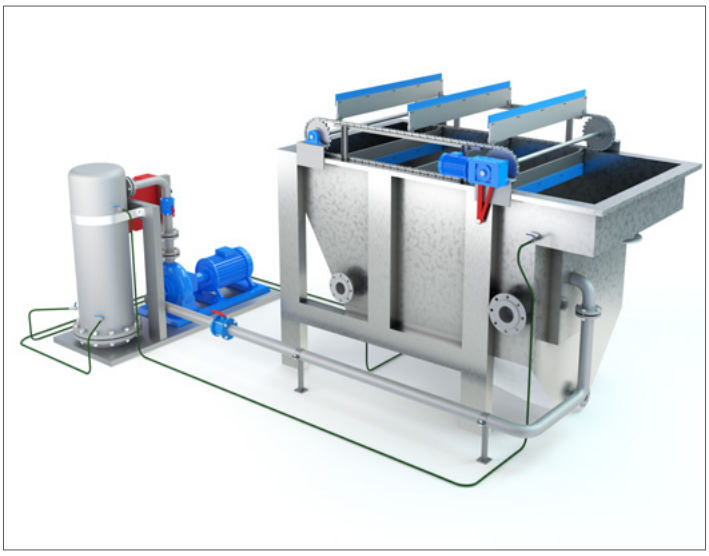
DISSOLVED AIR FLOATION (DAF)

TECHNICAL DATASHEET

The Dissolved Air Flotation (DAF) water treatment process is a physical and chemical technology for the effective removal of biological solids from a wide range of wastewaters to maintain environmental compliance and reduce trade effluent charges.

DAF systems are designed to reduce total suspended solids (TSS), biochemical oxygen demand (BOD), and fats, oils and greases (FOG) from a wastewater stream.

Containerised or skid mounted options available for DAF.



KEY FEATURES:

- Stainless (304 or 316) plus reinforced plastic components reduce wear and corrosion
- Purpose build, adaptable flocculation system to allow ideal sampling, pH correction and dosing
- Can be linked with Screening and Sludge Dewatering for even higher efficiency
- Can be integrated with site SCADAR and BMS (building management systems)
- Multiple systems can be installed in parallel for higher or variable flows
- Multiple chemical injection and sampling points to site requirement

Please see reverse of sheet for technical information tables.

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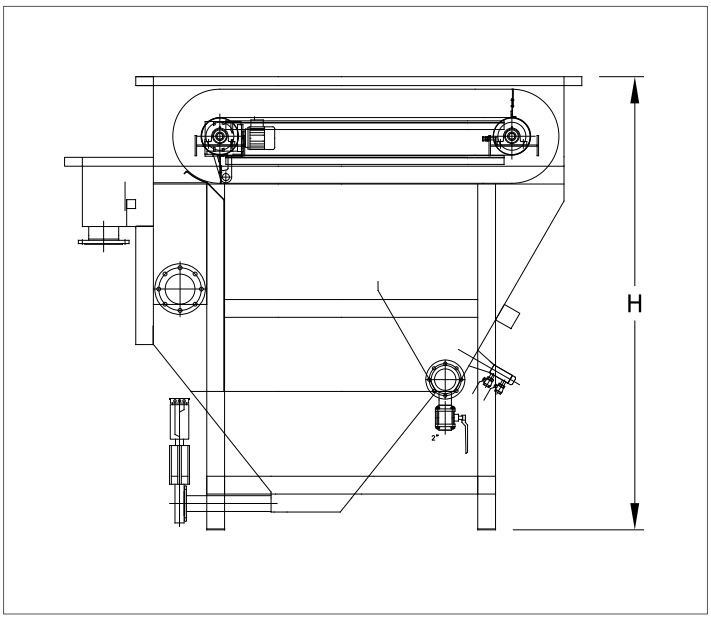
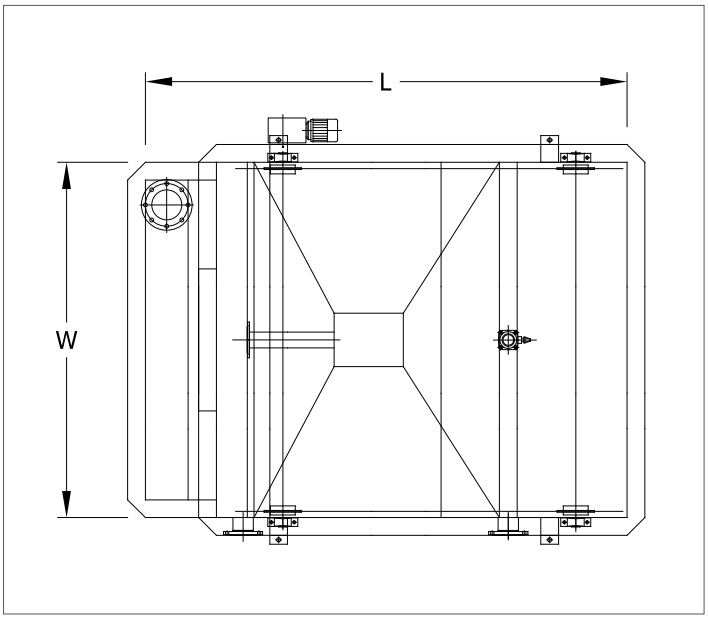
TECHNICAL TABLE:

Filter Type	Dimensions (mm)			Max Flow (if TSS <2g/l) m3/h	Volume m3	Scrapped Surface m2	Weight (Kg)		Hire & trial options
	L	W	H				Empty	Operational	
UF3.6N	2,000	1,400	1,900	3.6	1.5	10	400	1,900	n.a.
UF5N	2,700	1,500	1,800	5	2.3	1.8	500	2,500	skid mounted container
UF10N	2,700	2,000	1,800	10	3.0	2.7	800	3,300	skid mounted
UF25N	4,400	1,500	3,200	25	4.6	4.0	2,100	6,575	skid mounted
UF30N	2,900	2,200	2,550	30	7.6	6.0	1,400	7,400	n.a.
UF40	4,400	2,200	2,600	40	10.0	6.8	1,600	12,600	n.a.
UF50	5,500	2,200	2,700	50	12.0	9.0	1,800	13,800	n.a.
UF60	6,000	2,200	2,700	60	13.0	10.0	2,000	15,000	n.a.
UF80	6,500	2,200	2,700	80	15.0	11.0	2,600	17,600	n.a.
UF100	800	2,200	2,700	100	18.0	14.0	3,000	21,000	n.a.
UF125	9,000	2,200	2,700	125	22.0	16.0	3,300	25,300	n.a.
UF150	7,800	3,700	3,500	150	39.0	22.0	4,500	43,500	n.a.
UF200	7,800	3,700	3,800	200	46.0	22.0	7,000	53,000	n.a.
UF250	11,200	3,700	2,800	250	46.0	36	7,500	53,500	n.a.





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