

Sentry® DAF

> DISSOLVED AIR FLOTATION (DAF)

Dissolved Air Flotation (DAF) is a process used for the separation of suspended solids by addition of saturated air-water mixture which releases micro bubbles. The micro air bubbles adhere to or enmesh in the suspended composite particles, which then rise to the surface due to their reduced density. Skimming operation removes the particles floated to the surface.

DAF systems remove total suspended solids (TSS); algae; fats, oils and greases (FOG); and associated biological oxygen demand (BOD) and chemical oxygen demand (COD) from a variety of water and wastewater.



SENTRY® DAF

Highly chemical and UV resistant, gel-coated, fibreglass construction.

MODEL	STD-2	STD-5	STD-10	STD-20	STD-30	STD-60	STD-90
Flow rate (m ³ /hr)	2	5	10	20	30	60	90
Width (mm)	1,513	2,024	2,360	3,050	3,642	4,413	4,413
Height (mm)	1,903	1,903	2,270	2,208	2,560	2,560	2,560
Length (mm)	2,602	2,960	4,156	5,735	5,877	9,400	12,805
Installed power (kW)	3.3	3.9	4.5	5.5	6.7	14.1	15.4
Inlet	DN50	DN80	DN100	DN100	DN150	DN200	DN200
Outlet	DN65	DN100	DN125	DN150	DN200	DN200	DN250
Sludge outlet	DN100	DN125	DN125	DN150	DN150	DN150	DN250
Drain	DN50	DN65	DN65	DN80	DN80	2 x DN80	3 x DN80
Compressed air consumption (L/min)	18	28	52	64	95	217	309

* The flow rates nominated is based on a feed water TSS of < 3,000 mg/L for the STD-2 and STD-5. All other model flow rates are based on < 5,000 mg/L.
 ** Models available, capable of handling flow rates from 100 - 600m³/hr.



STD-400 DAF ready for delivery