
SAF

**Wastewater
Treatment
Hire Units**

Copa 
LIMITED

- ✓ **Rapid startup**
- ✓ **Full installation, commissioning and regular maintenance offered as standard**
- ✓ **High performance (up to 10/15/5 after settlement)**
- ✓ **Small footprint**
- ✓ **Complete treatment systems available**
- ✓ **Over seven years experience**
- ✓ **Installations in most Water plc's**

APPLICATIONS

Emergency Response

On treatment works failing their final effluent consents.

As a planned temporary system during filter or RBC refurbishment.

Pilot Studies

To enable large scale systems to be correctly sized.

To evaluate the treatability of industrial wastes.

SCOPE OF SUPPLY

Copa SAF biological treatment system.

Submersible inlet pump complete with stop/start floats.

All inlet and outlet hoses in bauered heliflex.

Installation and commissioning.

Complimentary service/ maintenance check every 8 weeks.

Optional extras include:

Duty/standby generators

Settlement tanks.

SYSTEMS AVAILABLE



CB200T SAF

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Trailer mounted SAF system for up to 200 population equivalent.

Ideal for sites with poor access.

SUBMERGED AERATED BIOLOGICAL FILTER

CB300 SAF

For population equivalents between 200 - 300

CB500 SAF

For population equivalents between 300 - 500

CB750 SAF

For population equivalents between 500 - 750



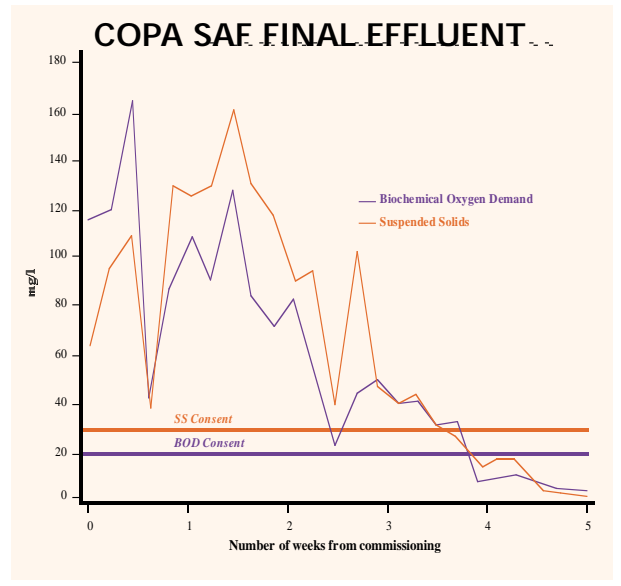
CB300 SAF



3 no. CB750 systems with inset showing duty/standby diesel generators.

PERFORMANCE

The graph below shows that Copa SAF has an immediate effect in reducing BOD and is likely to be 100% effective within 4 weeks of startup.



PRIMARY OR FINAL SETTLEMENT TANKS

Available as optional extras.

3m diameter crossflow conical bottomed tanks.

Complete with desludge valve, inlet and outlet hoses.



SYSTEMS AVAILABLE

System	Approx Population Equivalent	BOD Capacity Kg/day	Max Flow L/sec	Footprint (inc. kiosk) L x B x H (m)	Power Req. kW	Weight Tonnes	Transport Required
CB 200T	200	8.4	2	7.0 x 2.1 x 4.0	2 (three phase)	3.5	Land Rover
CB 300	300	12.6	3	6.6 x 2.1 x 3.0	3 (three phase)	4.5	Hiab
CB 500	500	21.0	5	8.1 x 2.1 x 3.6	4 (three phase)	6	Hiab
CB 750	750	31.5	7.5	9.5 x 2.4 x 3.6	5.5 (three phase)	8	Low loader

Notes: Population equivalent assumes BOD crude sewage at 60 gms/head/day with 30% removal through primary settlement tanks giving a total load to SAF system of 42 gms/head/day.



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