

SAVE WATER: Treat and re-use all your BLACK and GREY water on-site

Fusion Series Waste Water Treatment



- Odourless
- Installed underground
- Lowest cost of ownership
- Quiet
- Small Footprint
- Effluent meets South African DWS General Standard
- Nitrification & De-nitrification cycles
- Developed for urban and rural use

Save money – treating your waste water on-site for re-use is cheaper than buying municipal water



Applications:

- Households and grouped housing
- Schools
- Hotels
- Office blocks
- Lodges & guest houses
- Farms
- Factories
- Informal settlements
- Commercial wastewater secondary treatment
 - Waste strength reduction:
 - <75 mg/l COD
 - <25 mg/l TSS
- Commercial wastewater pre-treatment before discharging to municipal sewer network (COD reduction)

Easy to install or retrofit:

- Save water - Treat your waste water on-site and re-use for:
- Toilet flushing
 - Irrigation
 - Cleaning of hard landscaping
 - Water features
 - Other non-potable uses (potable use is possible through further treatment)

Maintenance:

- System will be provided with maintenance contract.
- Maintenance provider is dependent upon geographical location.
- 6 Monthly service required.
- No check-ups needed between service intervals.

Disinfection:

- Chlorine / UV / Ozone

Material:

- All materials are noncorrosive in the septic environment.



Electrical Panel

- Monitors the system 24/7
- Warning light and siren will notify user if a problem occurs
- IP65 enclosure
- Power supply to Blower and UV (disinfection)
- Indicator lights on front of panel for each alarm condition
- Optional: GSM module



Air Pump

- Feeds oxygen to aeration chamber and powers recirculation/sludge return



ZF800
(3 kl/d)

Available models

Clarus Model	Daily Treatment Capacity * (kilolitres per day)	Length (mm)	Width (mm)	Height (mm)	Power consumption (Watts) <small>Excluding disinfection</small>
ZF 450	1	2000	1100	1600	60
ZF 800	3	2500	1450	1850	60
ZF 1440	5	3370	1840	2140	124
ZF 2000	7	4150	1950	2200	160
ZF 2400	9	4200	2150	2120	261
ZF 3200	12	4600	2250	2400	336
ZF 4000	15	4750	2450	2550	336

* Daily treatment capacity is based on influent values equal to or less than domestic sewage (grey and black water combined). The influent values below is the maximum organic loading for the above treatment capacities. For influent with heavier loadings, please contact our office to assist with sizing the correct plant for your application.

COD	400	BOD	250	Ammonia	20
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ZF4000
15 kl/d

Financing available

The saving in your water bill can cover the instalment

FUSION[®]

Wastewater Treatment Plant