



Process Description

The Clereflo ASP treatment plants have an inner central chamber and an outer settlement tank. The plant treats sewage using the extended aeration principle in the central bio-zone chamber. A simple coarse bubble diffuser, housed in a draft tube, introduces the air that provides the oxygen to the bacteria that then treats the sewage. The bio-zone retains the mixture of water, sewage and air until a level of treatment has been achieved. The treated effluent then enters the conical clarifier tank where settlement takes place and the settled solids are drawn back towards the draft tube with the diffuser in it and returned to the bio-zone. The effluent finally leaves the plant over a weir that extends around the circumference of the tank at the outlet level. The movement of fluid through the whole system is by gravity displacement. There are no moving parts in the treatment plant.

- A) Inlet, flow from the house (s)**
- B) Bio-zone chamber**
- C) Flow around the draft tube**
- D) Treated effluent being settled**
- E) Settled Bio-solids returning to the draft tube**
- F) Final effluent going over the weir**
- G) Effluent exiting the plant**

Items Description

- 1) FACTA ClassAA equivalent cover and frame**
- 2) Desludge cut outs**
- 3) 100NB inlet OSMA socket**
- 4) Effluent gutter**
- 5) Effluent weir baffle**
- 6) Scum baffle**
- 7) Air Hose fitting**
- 8) Air downpipe**
- 9) Draft tube**
- 10) Draft tube holding bracket**
- 11) Coarse bubble diffuser**
- 12) Plant skirt**

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We reserve the right to alter specification without prior notice