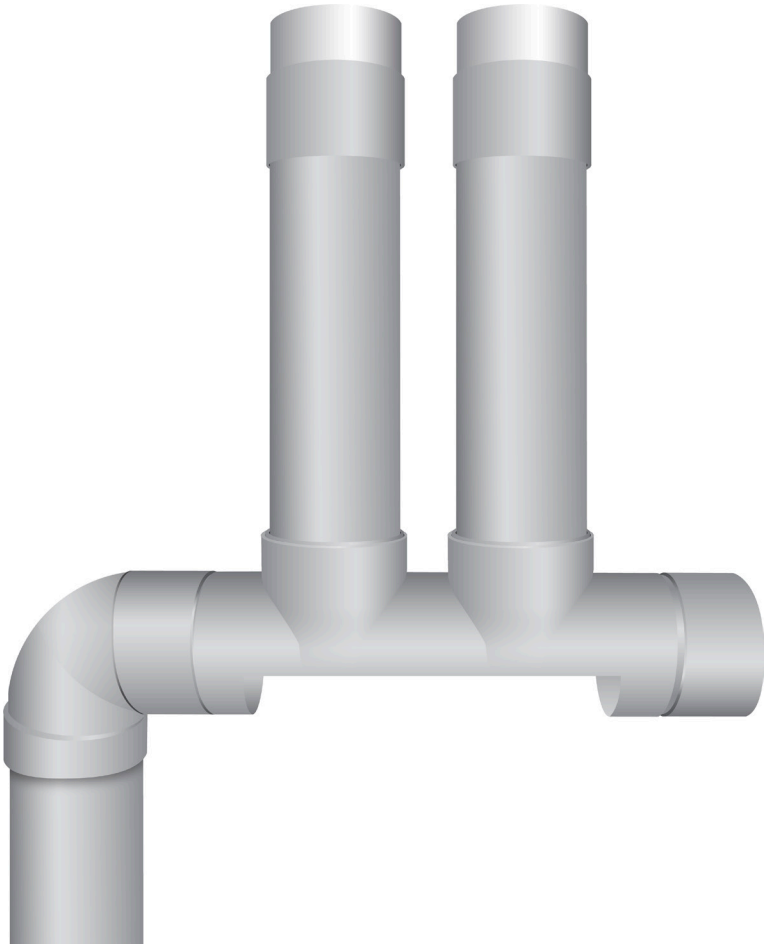
CHLORINATOR



The **ConForce Chlorinator** provides disinfection for Aerated Wastewater Treatment Systems (AWTS). These are also known as household package sewage systems. It replaces the old method of fabricating a chlorinator from 90mm PVC stormwater fittings. It is a simple and economical component that is quicker and easier to install. Since its inception in 2012 there are thousands in service fitted to different AWTS brands.

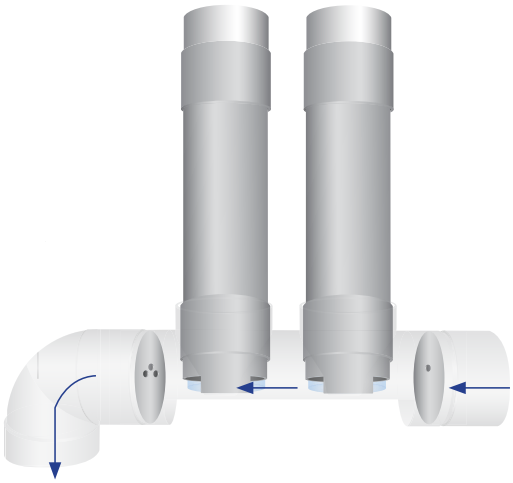
Why use the ConForce chlorinator?

- **Simple to assemble**
- **No need for a chlorine tube support plate as it is incorporated in the design**
- **Easy to retrofit**
- **Can be extended to have two chlorinator in parallel or series**
- **Economical**

It is fitted to all BioSeptic AWTS and was tested to AS 1546.3:2017 in three different BioSeptic AWTS models at the Jimboomba, Queensland AWTS test site. On each test it reduced the pathogen E. coli to the Advanced Secondary Treatment level of <10 cfu/100mL. The average results across 42 samples in each test were:

Year	BioSeptic model	Capacity	E. coli - average	No of chlorinators
2020	Performa – 2 tank	1500L/day	<1 cfu*/100mL	1
2021	S-TEN – 1 tank	1500L/day	1.75 cfu*/100mL	1
2022	S5000 – 2 tank	5000L/day	0.37 cfu*/100mL	2 in parallel

*Colony forming units in 100ml of water.



The new 'Force' on the market

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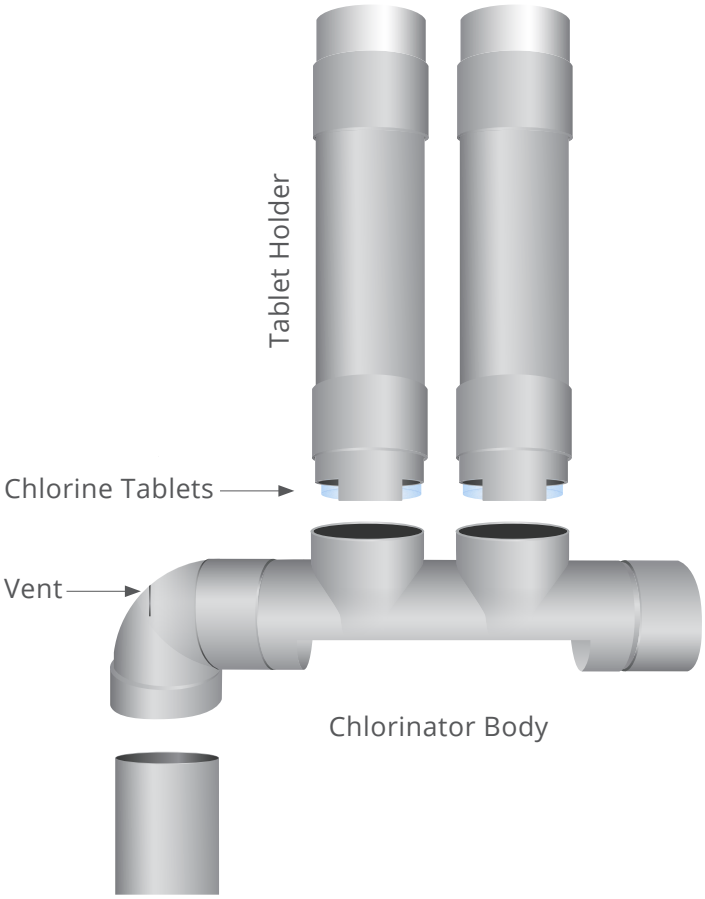


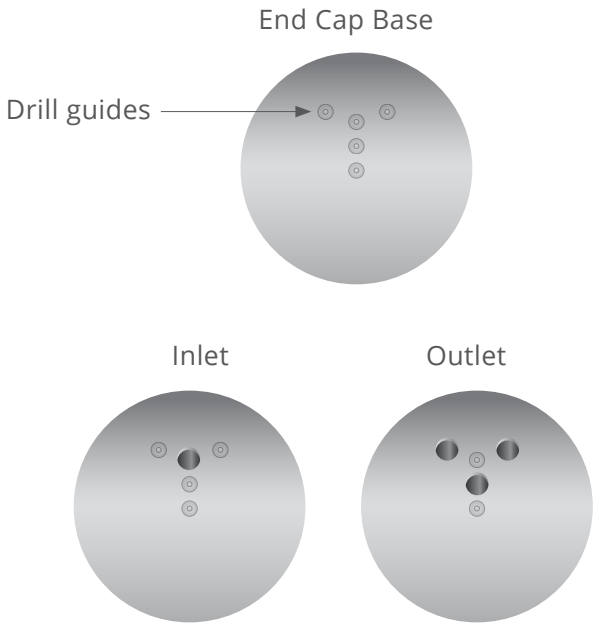
Chlorinator Components

The chlorinator has two components; the chlorinator body and the multipurpose cap.

Chlorinator Body

The flat base supports the chlorine tubes and provides a barrier to the wastewater flow, it prevents short circuiting and the buildup of chlorine residue.

The purchaser/fabricator supplies the standard 90mm pipe and elbows to form the tablet holders and the discharge dropper pipe. The fabricator can copy the BioSeptic design in this brochure or adapt the components to their own design.



Chlorinator Caps

The cap is designed to fit to each end of the chlorinator body to provide the inlet and outlet holes that control and slow the wastewater flow through the chlorinator to ensure good pathogen kill. The inlet hole slows the flow through the whole AWTS to create better aeration and clarification.

Assembly staff do not have to measure and mark the inlet and outlet holes as the caps are indented with the inlet and outlet hole positions. The choice of hole size is determined by the purchaser. A common diameter is 10mm.

The cap also forms the base of the tablet holder and is cut to expose the required tablet area. The cap also fits as a cap on the tablet holder.

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