



SurgeFlow Dosing Siphon & Sump Maintenance Checklist

At least 50 mm drop-down prior to tank inlet is required unless adequate fall is achieved over the short distance between the sump and prior component (e.g. wetland cells or septic tank). This will prevent water backing up through the system. Please refer to the SurgeFlow Installation Guide for detailed instructions.

It is important that the sump and siphon are installed correctly. This will avoid failures of the sump and siphon system. The dosing siphon and sump has no moving pumps and operates by gravity.

The Surgeflow dosing siphon should be checked annually, or if the system has not been in use for an extended period of time.

To check whether the siphon is dosing correctly:

- Open the inspection opening of the sump.
- Discharge water into the sump.
- Examine whether the siphon starts correctly. When the water level is approximately 15cm below the top of the siphon, the siphon will automatically start, making a distinct “gurgle” sound, and the water level will start to fall.
- Examine whether the siphon stops correctly. The siphon should stop when the water level reaches the terminating end of the air release valve (bottom of the bell). At this point, the water level will stop falling, and it may make a short, soft “slurp” sound.