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FLOWKING™ SIPHON INSTALLATION INSTRUCTIONS

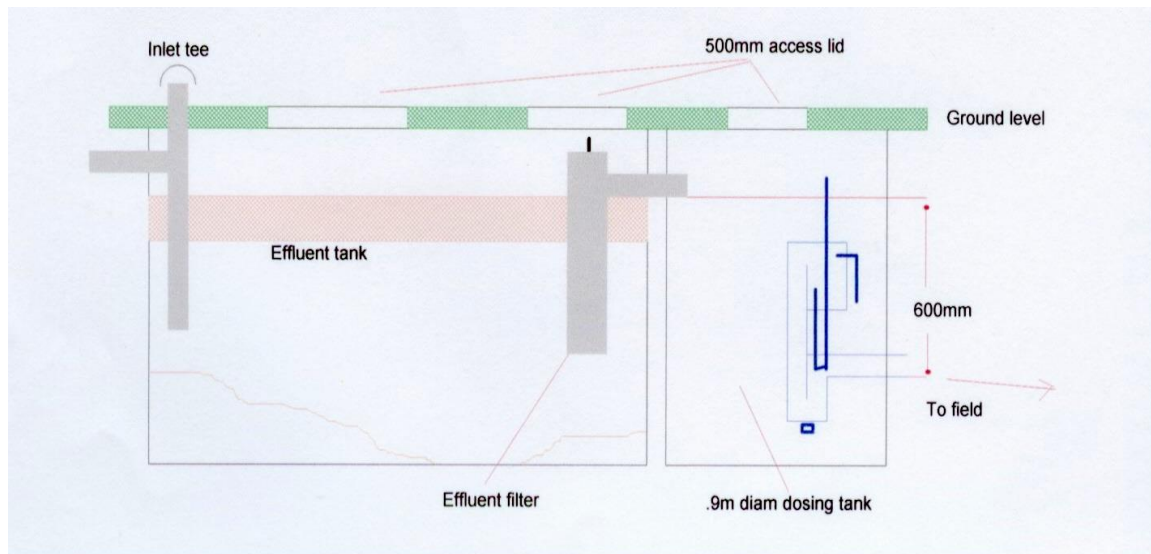
FlowKing™ siphon installation instructions for new or retro-fit installations.

- Fit *FlowKing™* outlet invert 0.6 metres below filter outlet invert as shown (Page 2).
NB: *FlowKing™* siphon dosing chamber must be a minimum diameter of 900 mm to ensure drawdown velocity.
- Penetrations from effluent tank, into and out of *FlowKing™* chamber, must be 100% water tight to prevent storm water ingress or leakage.
- Install *FlowKing™* level and plumb. System will not function correctly if this is not done.
- **When fitting *FlowKing™* to rota-mould poly tank, a rubber adapter is required - EMS can supply this fitting. To make siphon installation more rigid in these tanks fit 40 mm weighted PVC pipe to base of siphon then secure to bottom of dosing tank.** There is no need to use a 40mm counterweight when installing *FlowKing* into a concrete tank, the mechanical strength in the concrete wall of the tank is sufficient to keep the siphon in place.
- When installation is complete prime system by pouring 3 litres or more water down vent pipe. **NB: Do not use vent tube as a handle.**
- Siphon is now ready for automatic operation.
- There must be 1 metre of fall from the invert of the siphon outlet. **NB: First six metres of transport pipe must be 100 mm in diameter, then reduce to design requirement until lateral network.** This will ensure siphon draw down momentum is maintained.



- If *FlowKing™* is retro-fitted to upgrade an existing system, relative invert levels and installation instructions must still apply.
- At all times, when installed these units, care must be taken to prevent damage to *FlowKing™*.
- If it is considered that at any time there is a need for system or design alteration Effluent Management Systems Limited (EMS Ltd) must be contacted to ensure integrity of system is not compromised.

DO NOT cut or alter *FlowKing™* in anyway. Although it is a simple device its correct operation is reliant on very precise relative dimensions.



MAINTENANCE

There is no regular maintenance required as the *FlowKing™* will siphon automatically. However, whenever the effluent filter is cleaned *FlowKing™* can be flushed with fresh water and then re-primed as above.

GUARANTEE

FlowKing™ EMS kits are individually inspected & tested prior to shipment and are guaranteed against manufacture fault or defect.

We can offer a 5 year product guarantee and 5 year operation guarantee. If *FlowKing™* product is found to be defective in anyway other than shipping damage, installation fault or incorrect use of product it will be replaced immediately at no cost. However, this does not include labour cost to remove and reinstate product. EMS Ltd reserve the right to alter *FlowKing™* siphon.

NB: When designing distribution fields using *FlowKing™* siphon please ensure discharge rate of 150-240 l/minute.

