

FREQUENTLY ASKED QUESTIONS

Are all the components for full installation provided?

Yes, all components including fixings and sealants.

Your installer will need their own tools to perform the installation.

Why is the unit round and how does it fit into a square drain pit?

The round shape ensures there are no corners for sediment and other debris to get stuck in. The round shape is also more friendly to increasing flow through the unit.

The DrainSAFE™ device is smaller than the drain pit so there is space for the stormwater to exit the bottom through the isolation valve and continue to the outflow in the drain pit.

In order to fit the DrainSAFE™ unit into a drain pit, a square piece of HDPE (called a skirt) with a round hole for the DrainSAFE™ unit is provided. This sheet can be cut to the size of the drain pit and fitted to the walls of the pit. This HDPE skirt ensures the pit is sealed and water is directed into the DrainSAFE™ device.

How often does the unit need to be serviced?

It varies. Servicing schedules will differ depending on the location of the unit and can usually be judged visually by simply looking into the pit through the grate. Once the unit has been installed, a regular inspection routine is advised. A

servicing schedule can be set based on findings of the regular inspections.

The hydrophobic boom inside the diffuser can be replaced at the regular intervals appropriate to the site and expected level of hydrocarbon contamination in the stormwater.

Will the unit affect flow rates?

Yes. The DrainSAFE™ unit has a flow rate of 33 litres per second when empty. If the diffuser holes become partially blocked, the flow rate is minimally impacted. The Computational Fluid Dynamics analysis reports a 22% loss of flow rate when the holes of the diffuser weir are 50% blocked. The handle shaft in the unit is as an overflow that allows excess stormwater to escape during rain events.

Does the unit come in smaller sizes?

No. The unit comes in one standard size. Research is currently underway to determine what size to make a smaller DrainSAFE™ unit that would suit common small sized pits. A smaller option is likely to be offered in the future.

Will the unit cope with abrasive and corrosive materials?

Yes. The unit is constructed from HDPE and high grade 304 stainless steel which will not be affected by most chemicals. If there are any concerns of compatibility with a specific chemical, more information can be requested from the manufacturer of the HDPE in relation to the chemical in question.

