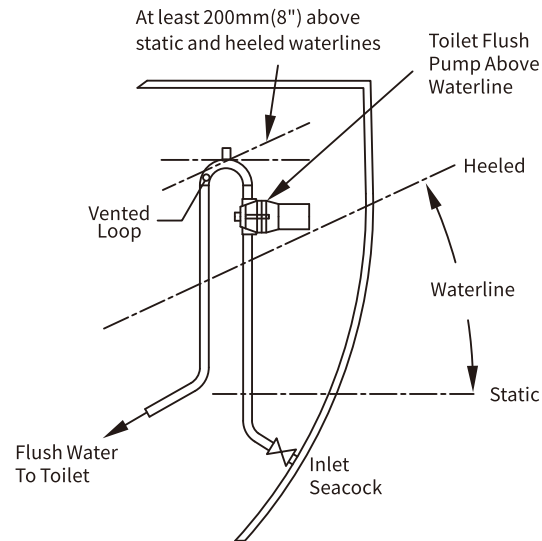
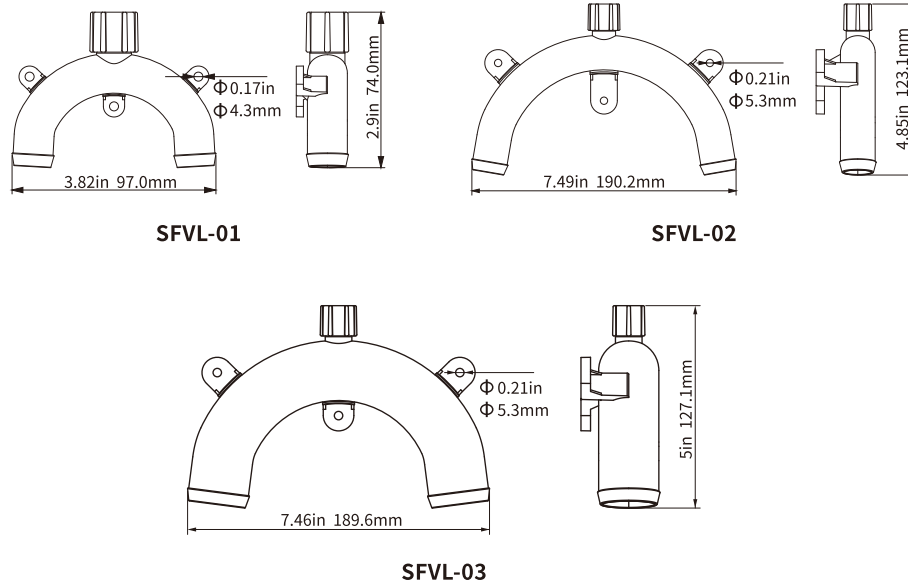


APPLICABLE TO SEAFLO ALL SERIES OF MARINE TOILETS



DIMENSIONAL DRAWING



SEAFLO[®]

Vented Loops Instruction Manual



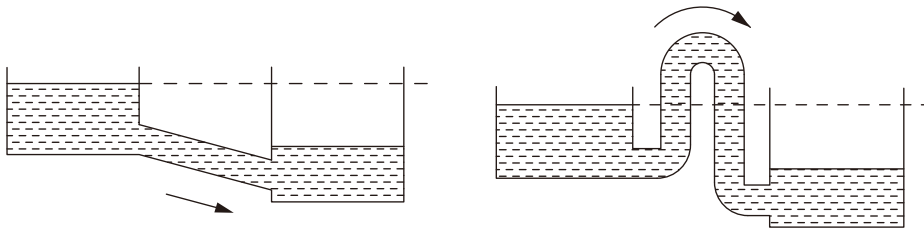
MODEL	FITTING
SFVL-01	19 mm (3/4")
SFVL-02	25 mm (1")
SFVL-03	38 mm (1 1/2")

Vented loops are anti-siphon safety devices for use with both manual and electric marine toilets installed below the waterline (static or heeled).

NOTE: This data is only applicable to SEAFLO Marine Toilets - For all other makes of marine toilet and for all other applications and all other types of product, please refer to the instructions supplied with the product concerned.

WHAT IS A SIPHON

Water flows downhill whenever it can. It will do so even if it has to rise at first, provided its final level is lower than its initial level and there is no air in the connecting pipework. A system in which water rises and then falls as it flows of its own accord under gravity is called a siphon.



HOW TO PREVENT A SIPHON

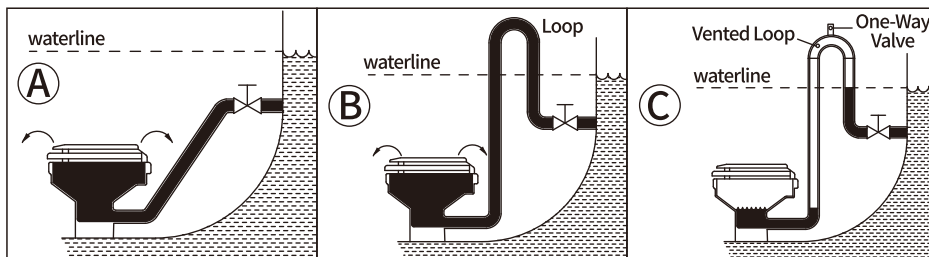
Manual and electric marine toilets flushed with sea or river water require connections through the hull below water level. If the toilet is installed below the boat's waterline, the possibility of flooding the hull through an open seacock must be prevented, not only for the discharge pipe, but also for the inlet pipe.

If no precautions are taken, a toilet below the waterline is at risk of flooding at all times when the discharge or inlet seacock is open (A).

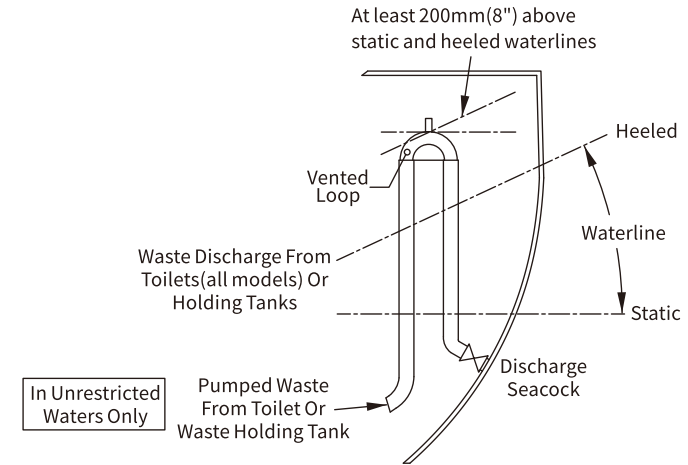
A loop of pipe above water level (B) may prevent flooding, but there remains a risk that a siphon will be created by pumping the toilet, or when the boat heels, or by wave action.

To break the siphon, air must be let into the top of the loop of pipe, allowing water to drop back on both sides of the loop, and stopping it from flowing into the hull.

A Vented Loop (C) is fitted with a one-way valve at the top, permitting water to be pumped through the loop and out of the hull, but preventing the formation of a siphon that would allow water to flow back into the hull.



HOW TO PREVENT SIPHON DURING DISCHARGE



HOW TO PREVENT A SIPHON IN THE INLET PIPE



This product is designed solely for use with Seaflo Vented Loop. Do not overtighten cap as this may damage the valve and cause a leak.

Do not fit a vented loop into the inlet pipework of a pump, where it will admit air (as it is designed to) and impede or prevent priming. Trouble-shooting tip: if the anti-siphon loop makes a hissing noise when the pump is running, and the clean water flush pump won't prime, the vented loop has been fitted in the pump's suction line instead of its discharge line.

Remedy: In a manual toilet system, remove the vented loop from the inlet line and fit it in the discharge line between pump and toilet bowl. In an electric system, where the inlet line requires a vented loop, a solenoid valve must also be fitted.

