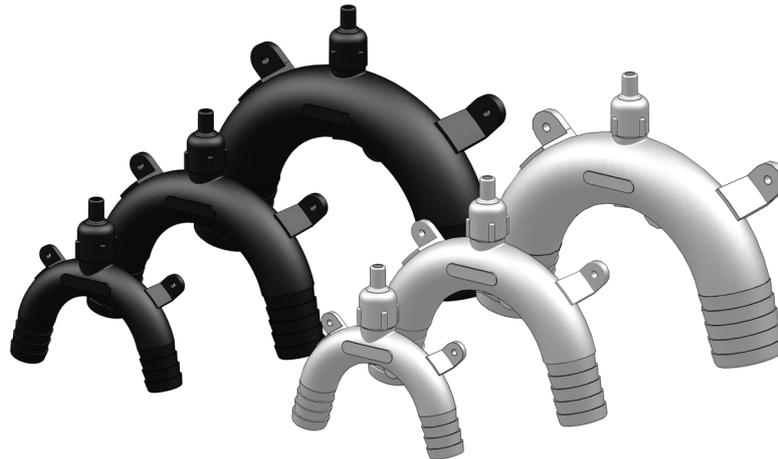


VENTED LOOPS

Designed and made in New Zealand, Tru-Design Vented Loops are the superior composite siphon break solutions for marine applications. Vented Loops prevent water siphoning from underwater skin fittings back into a vessel and thereby guard against accidental flooding and sinking.



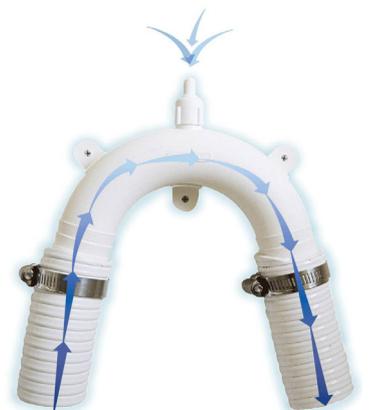
Vented loops are used predominantly in toilet to overboard applications, toilet inlet applications and holding tank to overboard applications. They can also be used in genset or small engine inlet cooling water systems.

The simple one way breather valve at the top of the vented loop allows air to enter the line when not in use, thereby preventing siphoning - and yet seals when water or waste passes through the loop. The duckbill one way valve is designed to seal even when particles are present in the fluid.

Vented Loops are moulded from a glass reinforced nylon composite. High strength, high-modulus glass fibres impregnated into the nylon provides dramatic strength, stiffness, toughness, and dimensional stability to our loops.

MODELS

Part #	Description
90319	Vented Loop 19mm White
90321	Vented Loop 25mm White
90323	Vented Loop 38mm White
90318	Vented Loop 19mm Black
90320	Vented Loop 25mm Black
90322	Vented Loop 38mm Black



KEY FEATURES

Feature :	
Manufactured from a glass reinforced nylon composite	High strength and light weight.
Silicone duck bill valve	Long life with no perishing or hardening.
Constant internal diameter	No reduction in flow
Self-contained mounting	3 screw mounting posts give secure and easy installation.
Chemical resistant	Impervious to diesel, petrol and antifouling paints.
UV resistant	These fittings will not break down with ultraviolet light or discolour from the sun.
High quality surface finish	Will not discolour with green film as similar bronze fittings do.
Large operating temperature range	Suitable for all marine environments, from -40°C to +110°C.

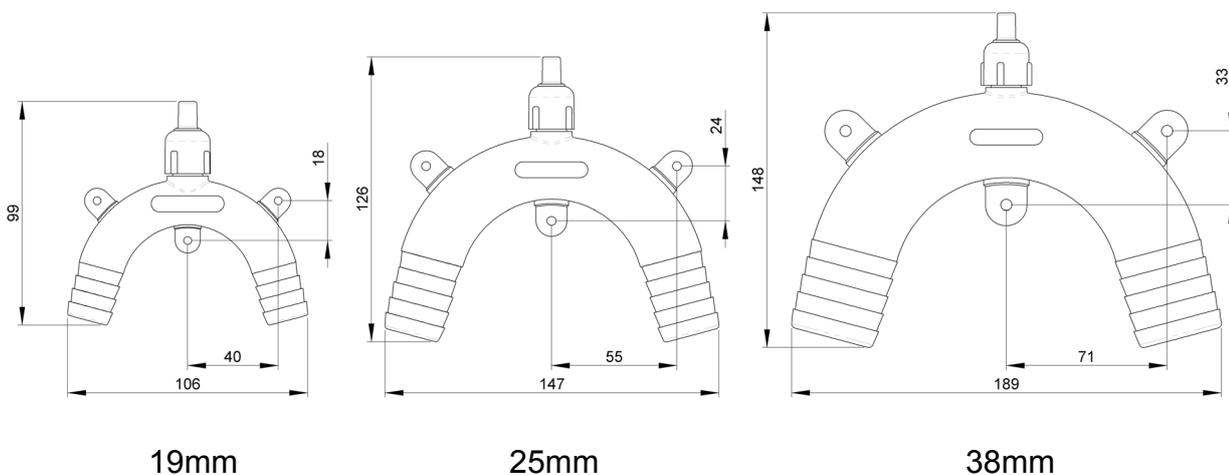
SPECIFICATIONS

When a Vented Loop is used on the suction side of a pump, the water flow can be reduced by 25% due to air admission. It is recommended that this type of installation be only used for electric pump type toilets as the higher flow from the electric pump is less affected by this reduction.

On the outlet of a pump, there is no reduction in flow as the valve closes fully.

DIMENSIONS

All dimensions in mm.
All dimensions nominal.



INSTALLATION

Full installation instructions are supplied with the Vented Loop.

It is recommended that all Vented Loops are placed in a protected location to minimize the chance of inadvertent damage.

The Vented Loop should be mounted a minimum of 250mm (1') above the heeled water line. If mounted below the waterline, the vented loop will not leak, but will not provide any protection.

The vented loop should be screwed to a bulkhead or other robust structure using the integral feet.

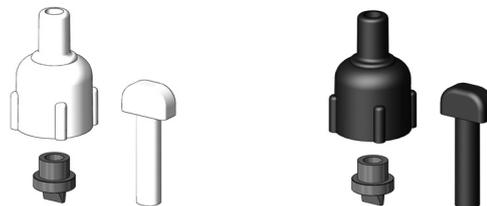
Dual hose clamps should be fitted to ensure the hose does not become disengaged from the Vented Loop.

SERVICING

Hose clamps should be checked for secure connection of the hoses to the Vented Loop.

Regular checks of the functioning of the duck bill valve should be conducted. Unscrew the cap and remove the valve. Inspect the valve for damage. Check the port in the top of the vented loop for blockages and clear if required. Gently squeezing the sides of the valve should open a hole in the valve.

If the valve is damaged, a service kit is available. The service kit contains a spare valve, cap and a pin for clearing the port in the top of the vented loop.



Part #	Description
90325	Spare Parts Vented Loop White
90324	Spare Parts Vented Loop Black

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