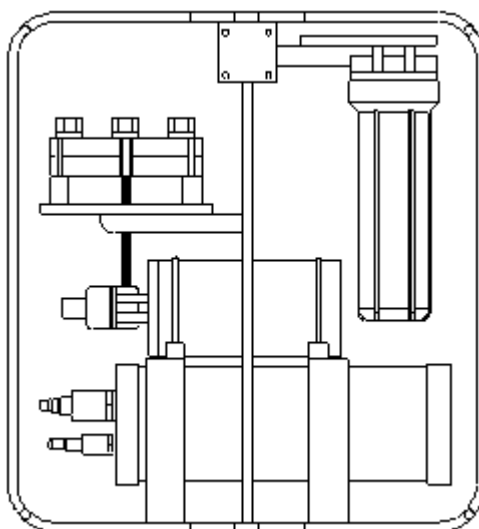


## WTS 6-1-142LV Water Transfer System

The WTS 6-1-142 is a single event filtration system. The particulate sample is collected onto a 142 mm membrane filter (not included) by drawing ambient water through the filter holder with a rotary pulse pump that is placed downstream of the sample. Sampling is triggered by either a start date/time or by a count-down timer, and the system is capable of delivering up to 25,000 liters per deployment.

The menu-driven software allows the user to enter the initial flow rate, total volume, maximum pumping time, and minimum flow rate. To prevent the particulate sample from being crushed onto the filter, the software is designed to decrease the flow rate when back pressure on the filter is increasing. The WTS has the ability to be connected to optional sensors, such as; fluorometers, transmissometers, or pressure transducers. These sensors can automatically activate the filtration process.



*Three years parts and labor warranty*

### Specifications

< TD>Frame material

<b>Physical</b>	Length	125 cm
	Width	45 cm
	Height	30 cm
	Weight in air	61 kg
	Weight in water	45 kg
	Maximum depth	5,000 m
		316 S.S. weldment

<b>Filter (1)</b>	Holder material	Polycarbonate
	Filter size	142 mm diameter
	Filter type	GFF or membrane filter

<b>Pump (2)</b>	Flow rate	4 to 8 L/min, optional up to 50 L/min
	Maximum volume	25,000 liters
	Volume error	Average $\pm$ 5 % total volume

<b>Controller (3)</b>	Material	Aluminium, 6061-T6 hardcoat anodized
	Main battery	36 VDC alkaline battery pack
	Communications	Serial (RS-232); external computer