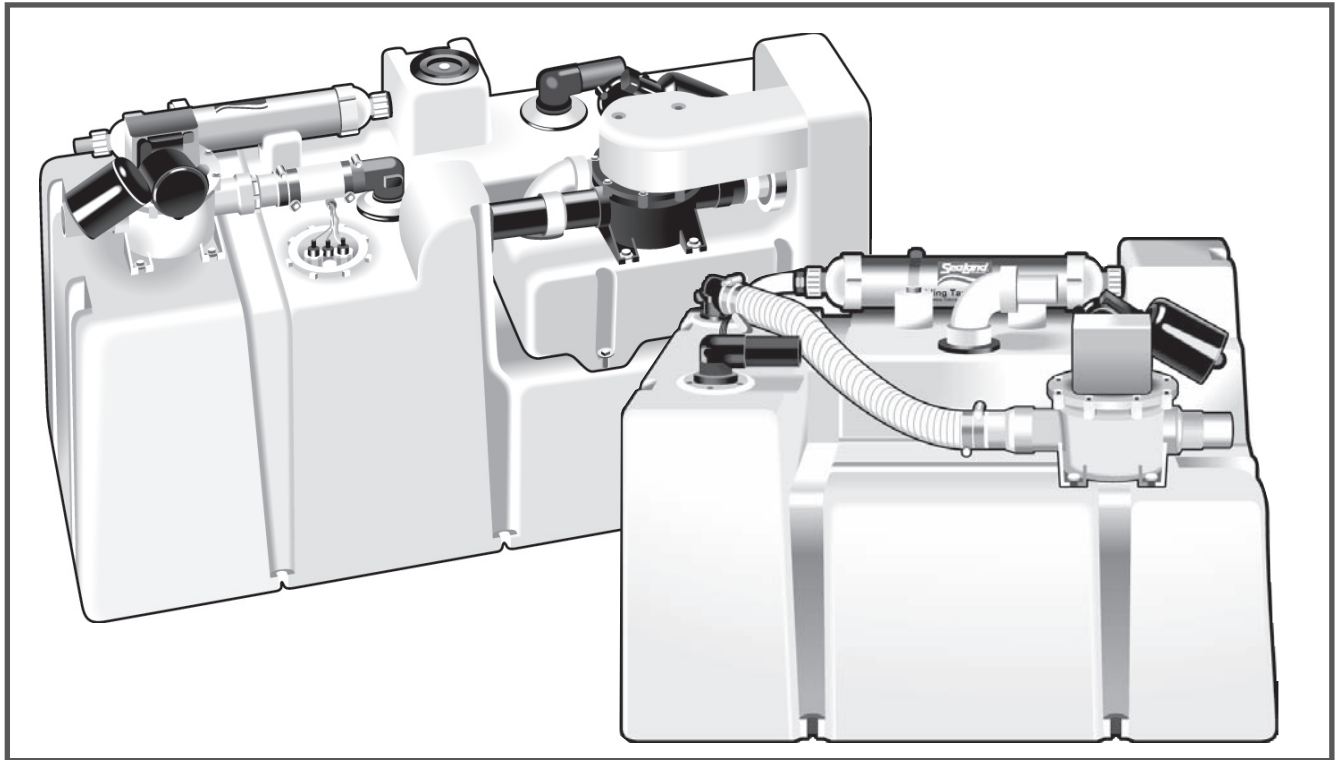

HOLDING TANK SYSTEMS

SELECTION GUIDE

For VacuFlush® and other marine toilet systems



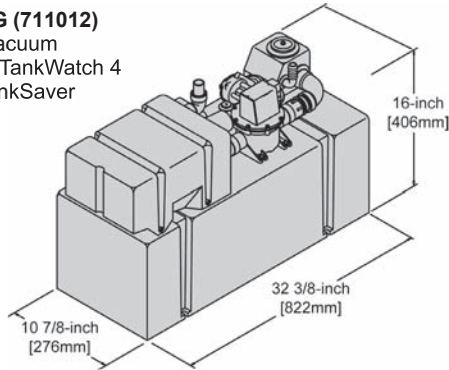
Dometic Corporation • Sanitation Systems
13128 State Rt 226, PO Box 38
Big Prairie, OH 44611
SeaLand Product Customer Service: 1-800-321-9886
(8:00 a.m. - 5:00 p.m. ET)

HTS MODELS with VACUUM GENERATOR

VACUUM GENERATOR MODELS

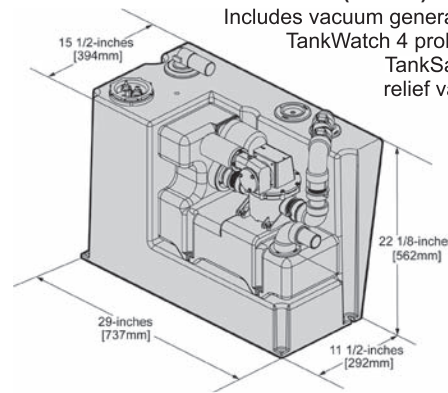
10 HTS-VG (711012)

Includes vacuum generator, TankWatch 4 probes, TankSaver relief valve



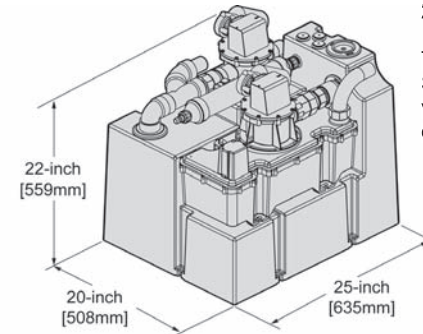
18 HTS-VG (711812)

Includes vacuum generator, TankWatch 4 probes, TankSaver relief valve



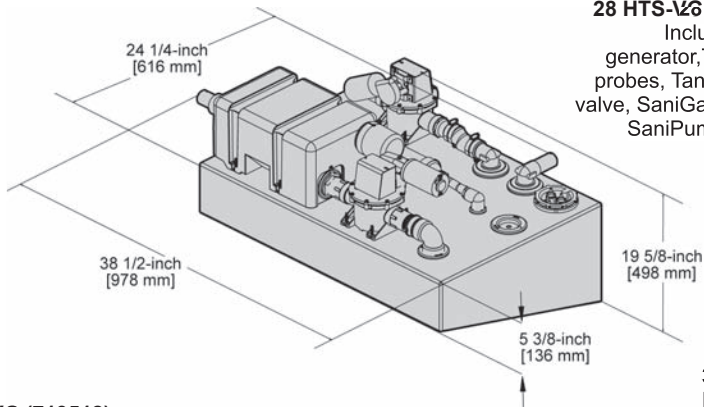
21 HTS-VG (702112)

Includes vacuum generator, TankWatch 4 probes, TankSaver relief valve, SaniGard vent filter, SaniPump discharge pump



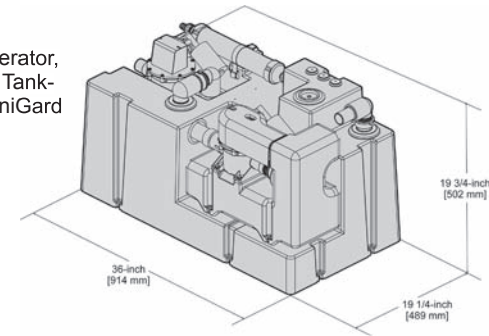
28 HTS-VG-HL (722812)

Includes vacuum generator, TankWatch 4 probes, TankSaver relief valve, SaniGard vent filter, SaniPump discharge pump



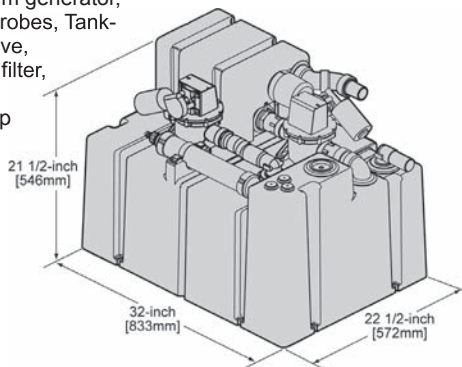
28 HTS-VG (712812)

Includes vacuum generator, TankWatch 4 probes, TankSaver relief valve, SaniGard vent filter, SaniPump discharge pump



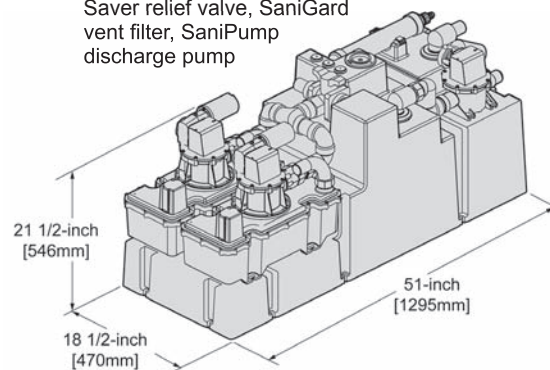
35 HTS-VG (713512)

Includes vacuum generator, TankWatch 4 probes, TankSaver relief valve, SaniGard vent filter, SaniPump discharge pump



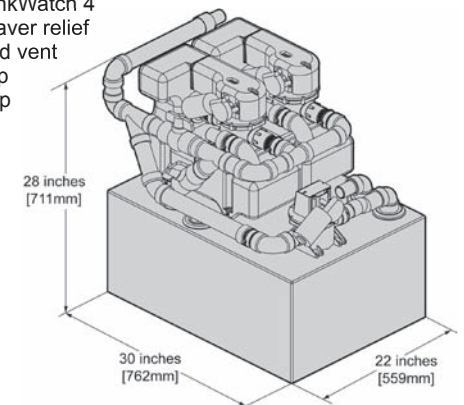
39 HTS-VG (703912)

Includes two vacuum generators, TankWatch 4 probes, TankSaver relief valve, SaniGard vent filter, SaniPump discharge pump



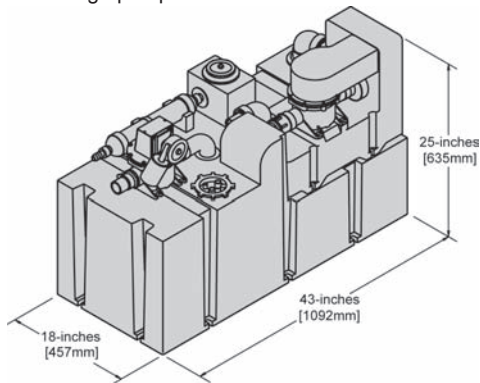
40 HTS-VG (714012)

Includes two vacuum generators, TankWatch 4 probes, TankSaver relief valve, SaniGard vent filter, SaniPump discharge pump



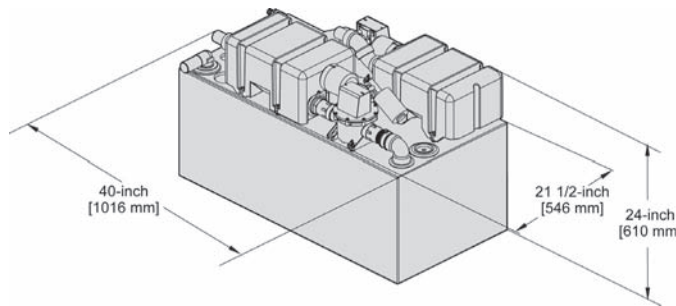
42 HTS-VG (714212)

Includes vacuum generator,
TankWatch 4 probes, Tank-
Saver relief valve, Sani-
Gard vent filter, SaniPump
discharge pump



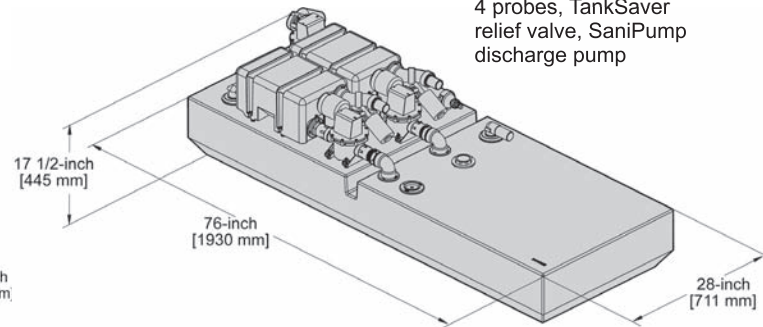
55 HTS-VG (715512)

Includes two vacuum generators,
TankWatch 4 probes, TankSaver
relief valve, SaniPump discharge
pump



80 HTS-VG (718012)

Includes two vacuum
generators, TankWatch
4 probes, TankSaver
relief valve, SaniPump
discharge pump



HTS SERIES SELECTION CHARTS

HTS-VG MODELS

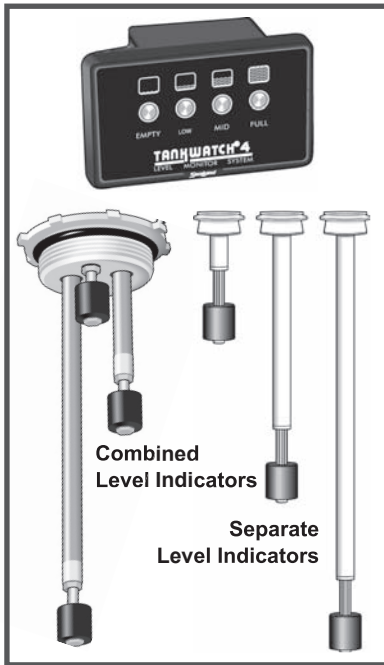
Model	Capacity (gal./liters)	Empty Weight (lbs./Kg)	Maximum Weight (lbs./Kg)	Vacuum Generator (qty)*	TankWatch 4 System	TankSaver Relief Valve	Outlets (qty.)	SaniPump Discharge Pump	SaniGard Vent Filter	Voltage	Item Number - Description
<i>Models including Vacuum Generator</i>											
10 HTS-VG	10 / 38	36 / 16.3	116 / 52.6	1	included	included	1	–	–	12 volts 24 volts	322711012 - HTS 10 LPVGQ12/TW4 322101024 - HTS 10 LPVGQ24/TW4
18 HTS-VG	18 / 68	39 / 17.7	183 / 83	1	included	included	1	–	–	12 volts 24 volts	322711812 - HTS 18 VGQ12/TW4 322011824 - HTS 18 VGQ24/TW4
21 HTS-VG	21 / 80	52 / 24	220 / 100	1	included	included	2	included	included	12 volts 24 volts	322702112 - HTS 21 VG4JQ12/T12/TW4 322702124 - HTS 21 VG4JQ24/T24/TW4
28 HTS-VG	27.5 / 104	56.5 / 25.6	277 / 126	1	included	included	2	included	included	12 volts 24 volts	322712812 - HTS 28 VGQ12/T12/TW4 322712824 - HTS 28 VGQ24/T24/TW4
28 HTS-VG-HL	28 / 106	56.5 / 25.6	281 / 128	1	included	included	2	included	included	12 volts 24 volts	322722812 - HTS 28 HULL LPVGQ12/T12/TW4 322722824 - HTS 28 HULL LPVGQ24/T24/TW4
35 HTS-VG	35 / 132	58 / 26.3	338 / 153	1	included	included	2	included	included	12 volts 24 volts	322713512 - HTS 35 LPVGQ12/T12/TW4 322013524 - HTS 35 LPVGQ24/T24/TW4
39 HTS-VG	39 / 148	84 / 38	396 / 180	2	included	included	2	included	included	12 volts 24 volts	322703912 - HTS 39 VG4JQ12/T12/TW4 322703924 - HTS 39 VG4JQ24/T24/TW4
40 HTS-VG	40 / 151	80 / 36.4	440 / 200	2	included	included	2	included	–	12 volts 24 volts	322714012 - HTS 40 VGQ12/T12/TW4 322714024 - HTS 40 VGQ24/T24/TW4
42 HTS-VG	42 / 159	70 / 31.8	406 / 184	1	included	included	2	included	included	12 volts 24 volts	322714212 - HTS 42 VGQ12/T12/TW4 322014224 - HTS 42 VGQ24/T24/TW4
55 HTS-VG	55 / 208	90 / 40.8	530 / 240	2	included	included	2	included	–	12 volts 24 volts	322715512 - HTS 55 LPVGQ12/T12/TW4 322715524 - HTS 55 LPVGQ24/T24/TW4
80 HTS-VG	80 / 302	90 / 40.8	730 / 331	2	included	included	2	included	–	12 volts 24 volts	322718012 - HTS 80 LPVGQ12/T12/TW4 322718024 - HTS 80 LPVGQ24/T24/TW4

* All vacuum generators include Q-series pump motor and VacuFlush shutdown relay. Specifications subject to change without notice.

HTS COMPONENTS

TankWatch® 4 Level Monitor and Micro-Float Switches

Includes four tank level lights – Empty, Low, Mid and Full, and international symbology. Reliable micro-float switches are installed in holding tank. No electrical components come in contact with waste or water. Operates on 12 or 24-volt DC. Uses only .017 amps at 13-volts. Micro-float switches are installed in HTS tanks either as a unit (with a TankWatch cap) or as separate indicators.

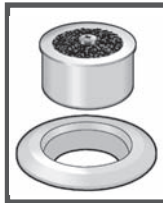


VacuFlush Shutdown Relay

To prevent overfilling a holding tank, a shutdown relay is supplied as standard with HTS-VG models. The relay shuts off power to the vacuum generator when the holding tank reaches "Full", preventing further flushing of the toilet.

TankSaver™ Vacuum Relief Valve

Prevents damage due to holding tank implosion from dockside pumps that operate at very high levels of vacuum. The TankSaver valve opens automatically under vacuum, but remains sealed regardless of shock-loading or vibrations.



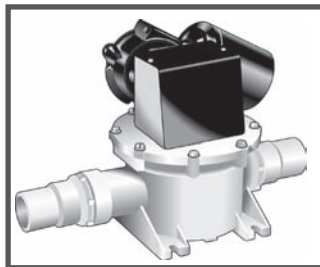
SaniGard™ Holding Tank Vent Filter*

The vent filter stops odors that escape from the holding tank vent. It contains odor-removing filter media to keep your boat smelling clean and pleasant. Each cartridge is good for an entire season and is easily replaced for a fresh start.



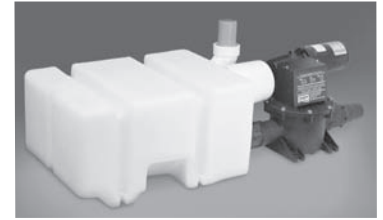
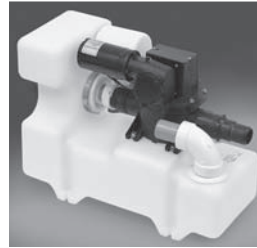
SaniPump™ Overboard Discharge Pump*

Runs dry without harm and draws just 6 amps at 12 VDC. Delivers flow rate of just over 3.9 gallons per minute (14.7 liters per minute). Emptying a 10-gallon tank takes about three minutes. Connects to a through-hull fitting. Check Marine Sanitation Regulations for information on areas where discharge is allowed.



* Not available on all HTS models.

Standard Vacuum Generator



Low-Profile Vacuum Generator

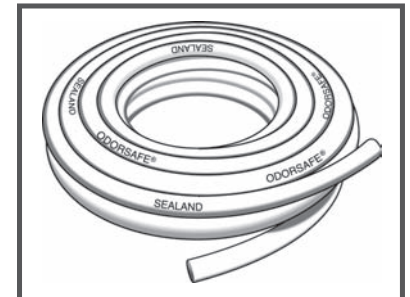
VacuFlush® Vacuum Generators

VacuFlush vacuum generators combine the vacuum tank and vacuum pump in one unit. Our standard and low-profile configurations eliminate hose runs between the vacuum tank and pump that are found in previous VacuFlush sanitation system installations. HTS vacuum generators features Q-series vacuum pumps, offering quieter performance and faster vacuum generation than previous models.

OTHER HTS FEATURES

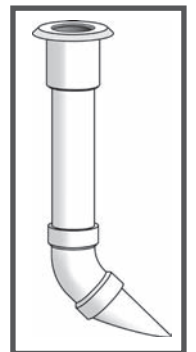
OdorSafe® Plus Sanitation Hose

Our exclusive OdorSafe Plus hose provides the best odor barrier of any marine hose available. It delivers up to 19 times greater resistance to sulfurous malodors than other so-called "no-odor" marine hoses. On HTS models, this hose is used for all 1 1/2-inch (38mm) hose connections. It's also best for connecting the discharge pump to the through-hull and deck waste fittings.



Diptube Discharge

Our diptube discharge design allows for removal of waste from the top of the holding tank rather than near the bottom of the tank. This feature greatly reduces the opportunities for stagnant sewage to sit in tank discharge lines – a main cause of odor permeation and hose failure.



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SaniGard, SaniPump and TankSaver are trademarks of Dometic Corporation.

PLUMBING, ELECTRICAL SPECIFICATIONS

Plumbing Connection Dimensions

Inlet Fitting Size:	1-1/2 inch	38.1 mm
Outlet Fitting Size:	1-1/2 inch	38.1 mm
Vent Inlet/Outlet Size:	5/8 inch	15.9 mm

Electrical Requirements

	12 VDC	24 VDC
† Vacuum Generator:	10 amp	5 amp
Level Indicator:	3 amp	3 amp
† Discharge Pump:	10 amp	5 amp

† Requires separate circuit breaker.