

# Installation Instructions T-Series Macerator and Discharge Pump



Dometic Corporation • Sanitation Systems

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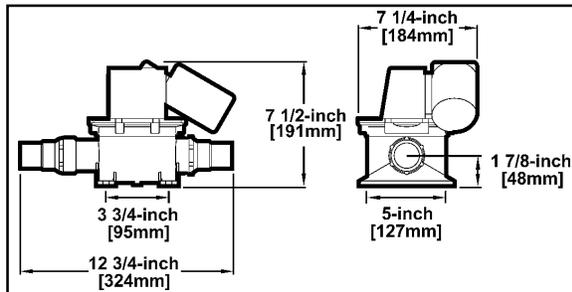
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## Dimensional Specifications



### Discharge/Suction Lifts (feet)

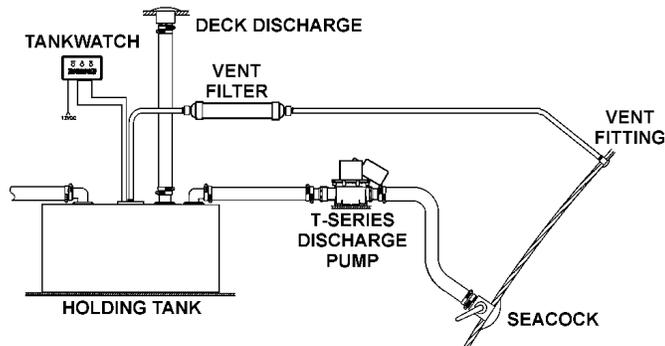
Discharge	0	2	4	6	8	10
Suction	10	8	6	4	2	0

## Electrical Specifications

Model	Volts (DC)	Avg. Amp Draw	GPH	Fuse/Breaker	Wire Size	Weight
T12	12	6	270	10 Amp	12-14 Ga.	7 Lbs.
T24	24	3	270	5 Amp	14-16 Ga.	7 Lbs.

Caution: This pump is not for use as a VacuFlush toilet vacuum pump. Damage to the pump and system would result. When pump is used to discharge SanX or TDX systems, follow electrical and plumbing instructions in your SanX or TDX owner's manual. When using this pump with a holding tank, see illustration below. Pumping against a closed seacock will result in damage to the duckbill valves.

## Typical Discharge Application



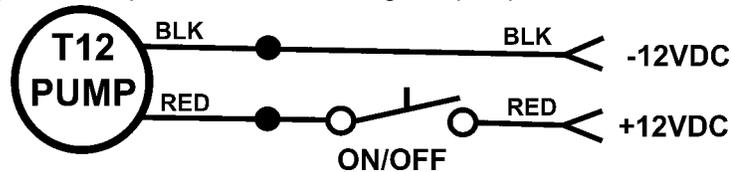
### Before mounting the pump, you must consider the following:

1. The pump must be mounted horizontally (motor on top) on floor, deck or shelf. The pump will not operate if mounted vertically or on its side.
2. The pump should be mounted above the holding tank to prevent waste overflow during maintenance or repair. (See diagram.)
3. It is recommended that a 1-1/2" valve be installed at tank outlet for maintenance or repair, if #2 is not possible.
4. You may want to provide a dip in the hose at the outlet of the holding tank to facilitate tank drainage during pumpout. This dip should extend below the tank outlet approximately 6".
5. When mounting space prohibits installing the pump above the the holding tank, you should provide a loop in the hose that extends to the top of the holding tank between the tank outlet and the pump inlet. This will reduce overflow during maintenance or repair.
6. Vessels with an underwater discharge seacock or thru-hull must have a vented or anti-siphon loop installed well above the water line between the pump outlet and the seacock or thru-hull. The vented loop should be plumbed with hose to a thru-hull fitting well above the water line.
7. When the T-Pump is replacing a macerator-type discharge pump, you will need the 1-1/2" x 1" hose coupling provided. This coupling utilizes the 1" seacock already installed. Mount the hose coupling in the discharge line **at least 5 feet away** from the pump outlet to prevent possible plugging due to the size reduction. You will need 5 feet (1.52m) of 1-1/2" hose to run from the T-Pump to the hose coupling.
8. The use of a Noise Isolation Kit, part #319053, will greatly reduce the low frequency noise that can originate from the T-Pump during operation. This is important when mounting the pump to fiberglass or wood surfaces.

**Important: The T-Pump inlet and outlet fittings have left-hand threads. Be certain that fittings have not loosened during hose installation. To tighten fittings, turn counterclockwise. To loosen, turn clockwise.**

**Electrical Wiring:**

Wire the T-Pump as shown in the wiring diagram. Use the multistranded copper wire. Protect the wiring by installing grommets or other protective device at holes and sharp edges. Proper fuse or circuit breaker size is extremely important for pump and wire protection. Overfusing this pump will result in warranty invalidation.



**Caution: U.S.C.G. Regulations allow overboard discharge of untreated sewage when the vessel is beyond the 3-mile limit. However, the overboard discharge seacock or shut-off valve must be secured in the closed position while operating within the 3-mile limit. Use of a padlock, heavy tape, non-releasable wire tie or removal of the valve handle would be considered adequate securing of the valve.**

T-Series Discharge Pump		Item	Part No.	Description	Qty.
	1	600340237	#4 x 3/8" Pan Head Screw	2	
	2	385640239	Pump Cover Kit	1	
	3	600341502	Pump Top Closure	1	
	4	600342332	#10-32 x 1/2" Hex Head Screw	4	
	5	385310151	O-Ring Replacement Kit	1	
	6	600340664	Bushing	1	
	7	600343006	Shoulder Screw, 1/2" x .687 x 3/8-16	1	
	8	600347807	Bellows Clamp	2	
	9	600340669	Valve Nipple	2	
	10	600347802	1 1/2" Duckbill Valve	2	
	11	600341489	Pump Body	1	
	12	385230980	Bellows Assembly (includes item 6)	1	
	13	600347788	Set Screw, 1/4-28 x 5/16"	1	
	14	600344470	Eccentric	1	
	15	385310245	12 VDC Motor	1	
	15A	385310246	24 VDC Motor	1	
	16	600341503	#10-12 x 7/8" Hex Washer Head Screw *	8	
17	600341113	1" x 1 1/2" Reducing Adapter	1		
		<b>Not Shown</b>			
		385310250	Pump Assembly Less Motor (includes items 3, 5, 6, 8, 9, 10, 11, 12, 19)	1	

**\*Note: When reassembling pump, tighten screws to 20±2lbs., or until snug. Over-tightening will cause holes to strip.**

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