



Triton[™]
Water Management Solutions

Operating Manual

for:
Universal Check
Valve Assembly
TR215CV

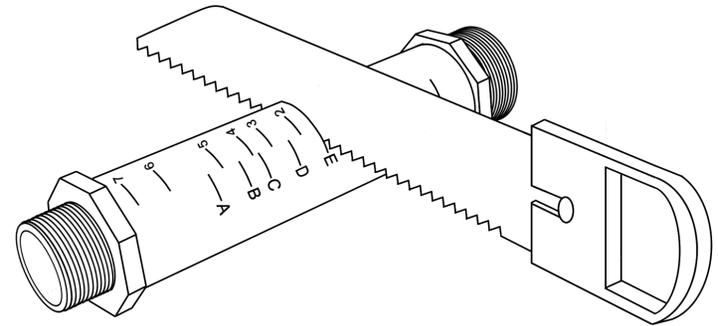
Installation of Triton Check Valve with TidalWave Pump and Atlantic Skimmer and Pump Vaults

Locate the model number of the Atlantic Skimmer/ Pump Vault and TidalWave pump used for this installation on the chart below. Follow the corresponding column down and row across until they intersect. The number or letter at the intersection point is the 'perfect cut' reference mark for this installation. If the corresponding reference mark is a letter, then the 1-1/2" threaded end of the discharge pipe will be used. If the corresponding reference mark is a number, then the 2" threaded end of the discharge pipe will be used.

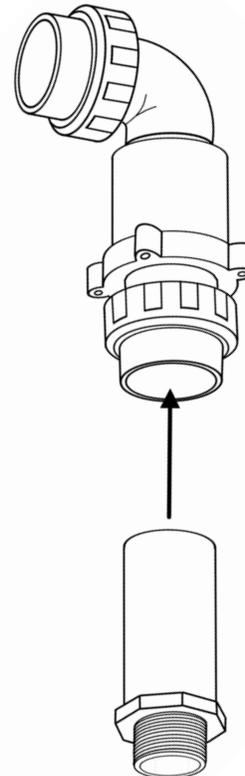
Discharge Pipe "Perfect-Cut" Reference Chart

	PS4000 PS4500	PS4600 PS4900	PS7000 PS9500	PV1800
TW1900	D	D	G	B
TW2400	D	D	G	B
TW3700	C	C	F	A
TW4800	C	C	F	A
TW6000	2	2	5	1
SH1450	G	G	H	E
SH2050	G	G	H	E
SH3600	G	G	H	E
SH5000	D	D	G	B
SH6500	D	D	G	B
PAF20	5	5	7	3
PAF25	5	5	7	3
PAF40	5	5	7	3
PAF75	5	5	7	3
A05	5	5	7	3
A21	4	4	6	2

Locate the correct reference mark for this installation on the discharge pipe. Using a hacksaw or PVC saw, cut the pipe at this mark being careful to make a clean, square cut. Discard the end of the discharge pipe that will not be used.



Use a small piece of sandpaper to smooth out the cut end of the discharge pipe. Clean the 2" socket fitting on the bottom of the check valve and the cut end of the discharge pipe with PVC cleaner/ primer. Apply PVC glue and insert the discharge pipe into the 2" socket fitting. Hold the discharge pipe firmly in place for a few seconds, giving the glue time to set up.



NOTE: If you have removed the 2" socket fitting from the bottom of the check valve prior to gluing the connection, make sure to slide the union nut onto the discharge pipe before gluing the socket fitting in place.

Attach the Triton Check Valve to the TidalWave pump, by threading the discharge pipe into the pump discharge.

NOTE: If you are installing a TW2 series pump, you will need to use the threaded transition coupling that is supplied with the pump to make this connection. If you are installing a SH series pump, you will need to use the threaded transition elbow that is supplied with the pump to make this connection.

Place the TidalWave pump with installed Triton Check Valve into your Atlantic Skimmer/ Pump Vault. Connect the outlet fitting of the Triton Check Valve to the PVC supply line that feeds

the waterfall using PVC glue and Cleaner. For your convenience; 2" and 1-1/2" outlet fittings are supplied with the Triton Check Valve.

NOTE: If you have removed the outlet fitting from the check valve prior to gluing the connection, make sure to slide the union nut onto the supply pipe before gluing the socket fitting in place.

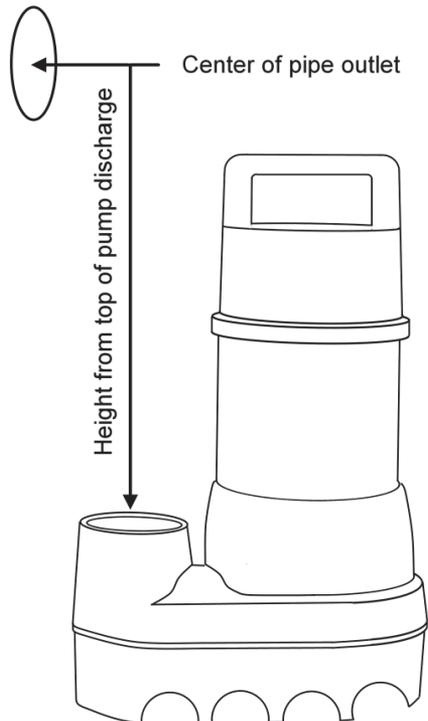
Complete installation by tightening the union nuts on the Triton check valve. **HAND TIGHTEN ONLY. DO NOT USE CHANNEL LOCKS TO TIGHTEN THE UNION NUTS.**

Installation of Triton Check Valve if Using Any Equipment Combination Not Listed Above

If you are using an equipment combination not listed above, you will need to use the 1" cut-to-fit' reference marks on the back side of the discharge pipe.

Place the pump inside the skimmer or pump vault being used. Measure the distance between the center of the outlet pipe and the top of the pump discharge. Subtract 7" from this number. This is your 'cut-to-fit' reference mark. 1" cut-to-fit reference marks are molded in both directions on the discharge pipe. Locate the thread size needed for your pump and count up from there until you find the correct mark. Cut the discharge pipe and follow the instructions above to complete installation.

NOTE: If your cut-to-fit reference number is larger than 9 1/2", you will need to extend the discharge pipe. This can easily be done using standard 2" PVC pipe and fittings.



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