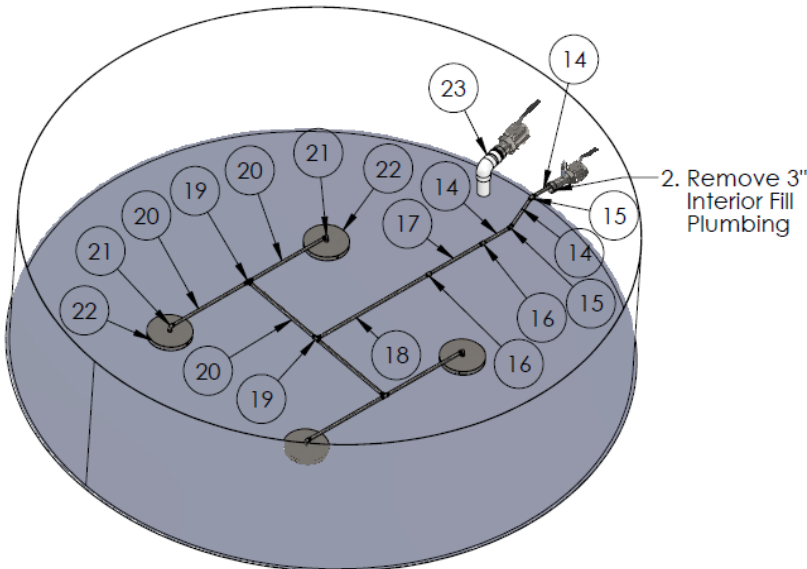
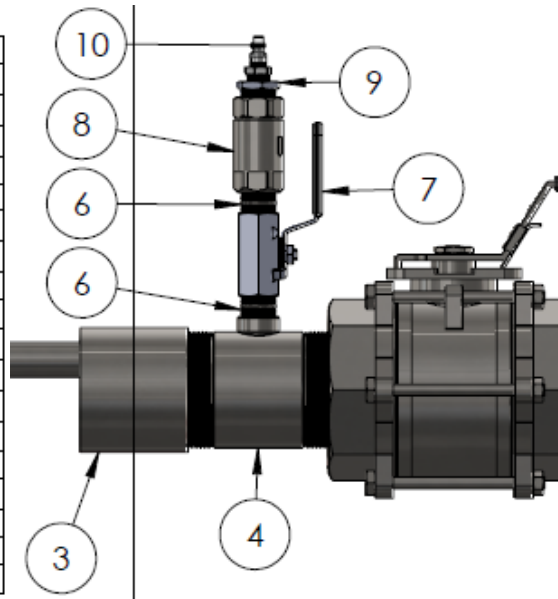


Installation - Retrofit

1. Ensure tank is empty.
2. Remove the manway lid and any necessary fittings/plumbing.
3. Thread on exterior parts (see drawing) starting with parts closest to the tank. Ensure that the arrow on the check valve is pointing towards the ball valve.
4. Next install the interior parts starting at the tank wall (see drawing). Tighten parts with a pipe wrench. Part # order of installation...
 - a. 18' Tank – 14,15,14,15,14,16,17,16,18,19,20,19,20,21,22
 - b. 16' Tank – 14,15,14,15,17,16,18,19,20,19,20,21,22
 - c. 14' Tank – 14,15,14,15,14,16,18,19,20,19,20,21,22
 - d. 12' Tank – 14,15,14,15,18,19,20,19,20,21,22

Note: Always use stainless thread tape and anti-seize on all threads.

ITEM NO.	DESCRIPTION	QTY.
3	3" Fill Coupler (INSTALLED)	1
4	3" Adaptor Nipple w/elbow	1
6	.75 Close Nipple	2
7	.75 Ball Valve	1
8	.75 Air Check Valve	1
9	.75 - .375 Reducer Bushing	1
10	Plug M Style .375 NPT Male	1
11	3" Ball Valve	1
14	.75 x 12 Threaded Pipe	3
15	.75 45 Degree Elbow	2
16	.75 Full Coupler	2
17	.75 x 24 Threaded Pipe	1
18	.75 x 50 Threaded Pipe	1
19	.75 Threaded Tee	3
20	.75 x 34 Threaded Pipe	6
21	.75 Street Elbow	4
22	Diffuser Plate	4
23	4" Interior Suction Plumbing	1

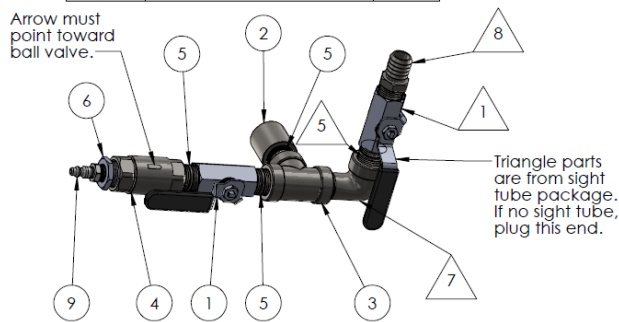


Installation – Factory Install

1. Ensure the tank is empty.
2. Thread on exterior parts (see drawing) starting with parts closest to the tank. Ensure that the arrow on the check valve is pointing towards the ball valve.

Note: Always use stainless thread tape and anti-seize on all threads.

ITEM NO.	DESCRIPTION	QTY.
1	.75 Ball Valve	2
2	.75 Full Coupler (INSTALLED)	1
3	.75 Threaded Tee	1
4	.75 Air Check Valve	1
5	.75 Close Nipple	4
6	.75 - .375 Reducer Bushing	1
7	.75 Street Elbow	1
8	.75 Hose Barb	1
9	Plug M Style .375 NPT Male	1



Installation – Control Box

1. Bolt hanging bracket to the control box and attach the supplied 6’ airline to the control box.
2. Hang the box on the manway of the tank you want to mix.
3. Connect the 6’ airline to the air fitting on the tank and plug in the box (make sure the box is turned off).
4. Connect air compressor to the control box. Turn on the air compressor. The air compressor should be able to run 4-8 at 100-120 psi (Do not run outside these ranges).
5. Open the 3/4” ball valve that is attached to the check valve (make sure all other valves are closed). Turn on the control box. It will pulse 1.5 seconds on 1.5 seconds off.
6. Adjust the CFM gauge on the control box so that it reads between 4-8 CFM.
7. Turn of control box and air compressor, close valves and unplug air lines and power cords.
8. Store control box indoors when not in use.

Running the System

1. Turn on the pulse box and open the ball valve attached to the check valve. All other valves should be closed.
2. Let the system run for 16-24 hours. Do not leave system running unattended.
3. Turn the system off and close the ball valve.

4. Take a sample of the product and have it tested to ensure it is properly mixed.

Yearly Maintenance before Use

1. Close all valves.
2. Connect airline directly from air compressor to air fitting on tank.
3. Allow the air compressor to build up pressure (120-200psi).
4. Open the ¾" ball valve that is connected to the check valve to allow air into the tank.
5. Let air flow for 10 second and then close the valve.
6. Repeat this process several times to insure the air ports are clear.
7. Disconnect the air line.
8. Open the ¾" ball valve that is connected to the check valve. If liquid leaks out of the air fitting then the check valve may need replacing before use.
9. If all is good. Close the ball valve and your system is ready to use.

Caution: Always follow proper confined space procedures when entering a tank.

Caution: Do not exceed 120 psi through the control box.

Caution: Always insure that all ball valves are closed before starting system.

Caution: The tank should not be filled into the roof. If product comes out of the roof vent, stop the system and lower the fluid level.

Caution: Ensure the roof vent is open and free of debris.