

GXAGITATION KIT

PN# 19986

(READ INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION)



116 E 6TH ST
KEARNEY NE 68847

877.218.1981

AGITATION KIT PN# 19986		
PN#	ITEM	QTY
17934	MANX	1
18113	15FT EXTENSION	1
17944	BATTERY CABLE	1
20002	5.3 GPA PUMP	1

20381	PUMP BOLT KIT	1
19646	#12 CLAMPS	6
31229	3/4" AGITATOR	1

15	3/4" HB PP TEE	1
20343	PUMP BRACKET	1
17920	PUMP O-RING BARB	2
32276	3/4" FNPT 3/4" HB	1

** GX2C AGITATION ADAPTER(S) (NOT SHOWN)		
17649	#6 HD CLAMPS	2
56138	3/8" PUMP O'RING BARB	1
20808	3/8" BARB STEM	1
USE 3/8" STEM AND 3/8" BARB QUICK ATTACH TO INLET ON PUMP - HOSE NOT INCLUDED ONLY FOR GX2C STYLE ADAPTION		

Images showing various components: a coiled grey cable, a black control box with 'agXcel' logo, a black pump unit, a clear plastic bag of hardware, a black pump bracket, a black T-tee fitting, a black barbed fitting, a black barbed stem, a black barbed fitting, and a clear plastic bag of hardware.



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AGITATION KIT INSTRUCTIONS SYSTEM MAP

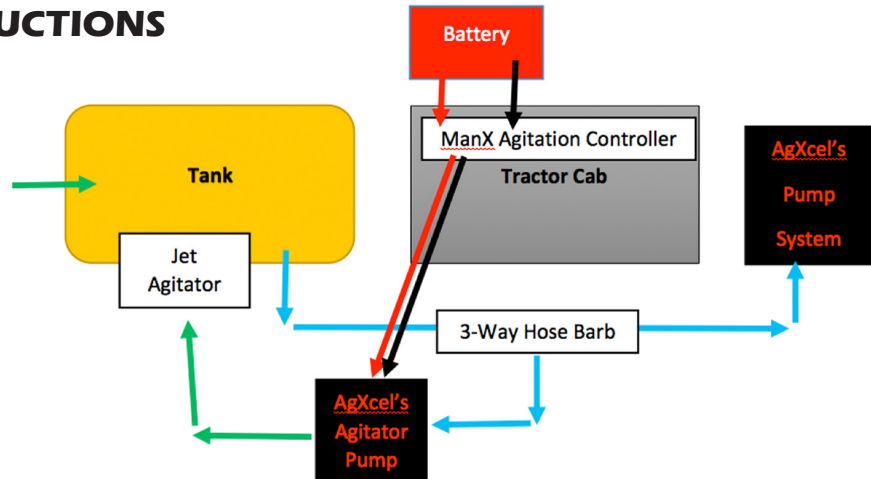
KEY :

Line to Tank- →

Line to Pumps- →

Battery Power- →

Battery Ground- →



INSTALLATION STEPS:

BEFORE YOUR BEGIN, VERIFY THE "PACKAGE CONTENTS" TO ENSURE ALL ITEMS ARE INCLUDED

- You will need thread sealant, a crescent wrench, a drill with 1/2" drill bit, two 7/16" wrenches, a 5/16" socket, and two 1/2" diameter bolts with the length of your pump mounting location.
- Begin by installing the Jet Agitator to the bottom of the tank to ensure it will fit.
- To mount the Jet Agitator the tank you will need a tank fitting that will accept a 3/4" male thread.

Step #1: Installing the Jet Agitator - refer to the Hypro Instruction Manual on how to assemble the jet agitator with the proper nozzle for your application.



Apply thread sealant to the threads of the jet agitator. Screw the jet agitator into the 3/4" female thread tank fitting until it is tight.



Tighten the black hose barb fitting on the bottom of the jet agitator. Push on the 3/4" hose onto the hose barb. You may use silicone spray to lubricate the hose barbs to ease installation of the hose over the barbs. Tighten down the hose clamp to ensure the hose will not spin on the hose barb.



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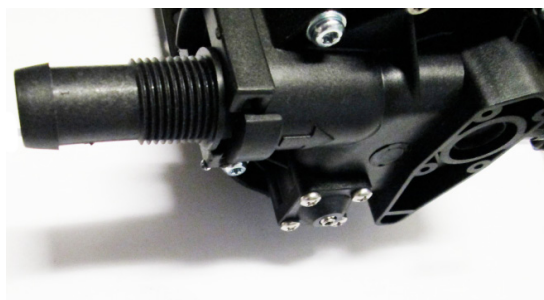
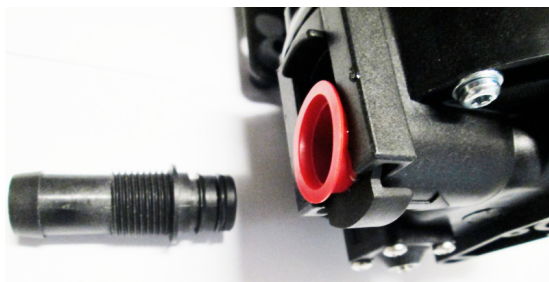


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INSTALLATION CONTINUED:

Step #2: Mounting the AgXcel Agitation Pump - You will need to find a mounting location for the pump. The pump must have the rubber insulators where it is mounted to keep the electrical current from grounding out. Once you find a mounting location you can use the flat pump mounting bracket as a drill guide to drill 2 holes that are $\frac{1}{2}$ " in diameter. You will need to determine the length of the bolt for the thickness it will be going through. Once you have the holes drilled you can mount the flat pump mounting bracket onto your mounting location. With the mounting bracket secured you may then mount the pump using the supplied $\frac{1}{4}$ " bolts. Use a lubricant to press the $\frac{1}{4}$ " bolts through the rubber insulators and tighten the bolts down to where they just begin to compress the rubber insulator. You don't want to over tighten the insulator or it will create a ground for electrical current. Insert the hose barb fittings into the motor. Remove the red cap by sliding the lock into the unlock position and then lock in the hose barb fitting by sliding the lock into the lock position. Look for the arrow on the bottom of the pump that indicates the direction of pump flow.



The output side of the pump will connect to the Jet Agitator through the $\frac{3}{4}$ " hose. You will need to insert a 3-way hose barb between the tank and the AgXcel Fertilizer System. The 3-way will then supply liquid to the Agitation pump. Slide the hoses onto the hose barbs and tighten the hose clamps down.



Step #3: Mounting the AgXcel ManX Controller - Find a mounting location in the tractor cab so that you will have easy access to the controller. In most case the battery cable and the pump cable will be pulled under the cab of the tractor and ran through the back window for a clean install. Connect the battery cables to the battery and ensure you only use a 30 amp fuse.

Step #4: Testing the System - It is best to test the system with only water until you are sure there is no leaks. With only water in the tank turn the ManX controller all the way on so that you achieve maximum pressure on the Jet Agitator. With the system running check all the threaded fittings, O-rings, and hose barbs for any sign of a possible leak. Now that the system is working properly it is ready to be used.



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