

5300024

MODEL NO. 812

Single Agitator Assembly

ASSEMBLY / OPERATION INSTRUCTIONS / PARTS

ASSEMBLY

1. The 812 agitator assembly is to be installed in the bottom of the tank as shown below. In most cases it will be necessary to remove the 3/4" tank fitting (Ref. A) from the tank. Once this has been accomplished the agitators may be assembled to the tank fitting and then the fitting can be put back into the tank.

Since most tanks have a 10" fill opening it is difficult to get the fitting out of the tank. One method is to use a threaded pipe about 4-5 ft. long as shown in the drawing (Ref. B) 1. Thread the pipe into the fitting as shown. 2. Remove the left hand threaded nut and washer. 3. Push the pipe and fitting up into the tank and out through the fill opening. 4. After assembling the agitators, reverse the steps to get the fitting back in place.

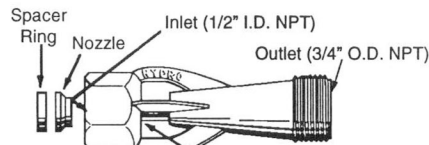
Another way is to use a piece of wire to fish the fitting out of the tank. Disassemble the left hand threaded nut and washer, and remove the fitting from the tank. After assembling the agitators use the wire to lower the fitting through the fill opening and the hole in the tank. Hold the fitting in place while threading the nut onto the fitting. Then remove the wire.

2. Assemble the valve, tee, and remaining fittings to the pump or tee valve (depending on pump system) as shown. Use a good grade of thread sealant to prevent leaking.
3. Measure the distance from the valve fittings to the ell barb which is in the tank bottom (Ref. 4). Cut a length of hose to fit, connect the fittings with the hose, and secure with hose clamps. Be sure the hoses are not stretched too tight.

OPERATION

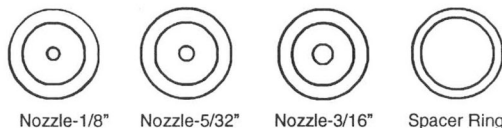
As solution is forced through the agitator, the venturi action nearly triples the flow through the agitator.

The valve (Ref. 8) in the line may shut off the agitation completely when not needed, or it can throttle the amount of solution going to the agitator if too much agitation occurs.

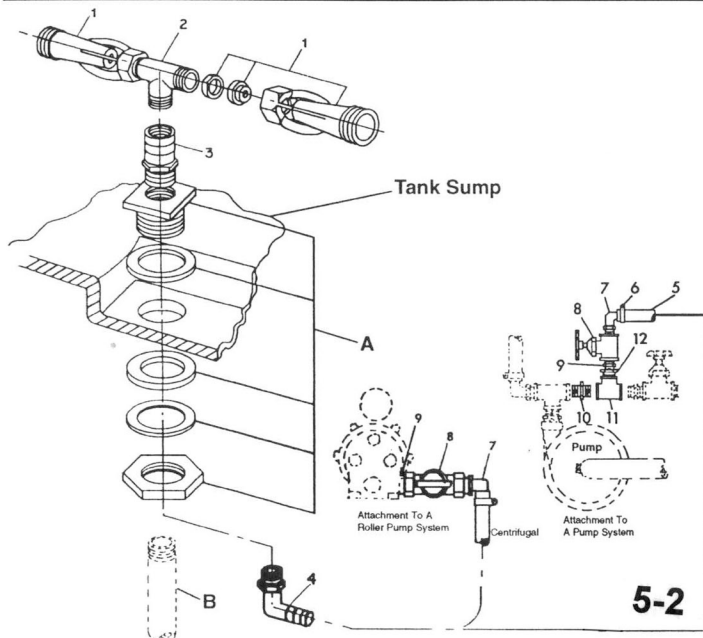


When Nozzle is correctly installed, size stamped on bottom can be read through here

The Hypro Jet Agitator is assembled as shown above—with nozzle positioned so that smallest diameter goes in first. For agitation use, agitator must be rigidly installed to pipe and weighted down sufficiently to prevent whipping about in tank.



PERFORMANCE CHART			
ORFICE	P.S.I	INLET FLOW (GPM)	OUTLET FLOW (GPM)
1/8	50	2.7	10
	100	3.8	15
5/32	50	4.2	12.2
	100	5.5	17.5
3/16	50	5.6	14.3
	100	7.9	18.7



Repair Parts List No. 812 Single Agitator Kit

Ref.	Part No.	Qty.	Description
1	5014005	2	Agitator
2	5010095	1	Tee 1/2", Male
3	5067071	1	Barb Tapped
4	5010039	1	Elbow Barb, 3/4" x 1/2"
5	5020123	1	Hose, 1/2" x 5'
6	5051015	2	Clamp
7	5010036	1	Elbow Barb, 1/2" x 1/2"
8	5143107	1	Valve
9	5011054	1	Nipple, 1/2" Nylon
10	5011055	1	Nipple 3/4" Nylon
11	5011089	1	Tee, 3/4" Nylon
12	5041020	1	Bushing, 3/4" x 1/2"



by

