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MODEL NO. 814

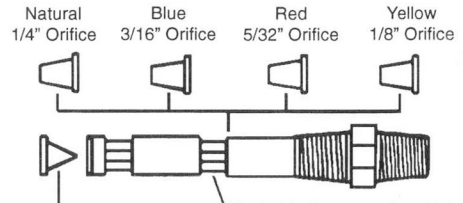
Dual Agitator Assembly

ASSEMBLY / OPERATION INSTRUCTIONS / PARTS

ASSEMBLY

1. Assemble the jet agitator to the tank fitting. If the tank fitting is located in the end of the tank, then it is necessary to remove the "snap out" from the end of the agitator before installing. If the agitator is installed in the bottom of the tank, the end "snap out" is to remain in place. Also select the desired nozzle insert and insert it in place before threading the ell barb (Ref. 2) onto the agitator. Refer to the performance chart in order to make the insert selection.
2. Assemble the valve, tee, and fittings to the pump or tee valve (depending on pump system) as shown. Use a good grade of thread sealent to prevent leaking.
3. Measure the distance from the valve fittings to the ell barb. Cut a length of hose to fit, connect the fittings with the hose, and secure with hose clamps (Ref. 3). Be sure the hoses are not stretched too tight.

Color Coded Nozzle Inserts



Agitator has a snap out end for use in either a vertical or horizontal position. Agitator top is cone shaped for smoother, more uniform liquid dispersion.

Venturi Action more than triples the effective flow of liquid for thorough agitation.

PERFORMANCE CHART

ORIFICE COLOR	ORIFICE	P.S.I	INLET FLOW (GPM)	OUTLET FLOW (GPM)
YELLOW	1/8	30	2.9	9.5
RED	5/32	30	4.1	13.2
BLUE	3/16	30	5.3	15.4
NATURAL	1/4	30	6.5	19.5

OPERATION

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

The valve 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.



by



Repair Parts List No. 814 Dual Agitator Kit

Ref.	Part No.	Qty.	Description
1	5014011	1	Agitator
2	5010114	1	Ell Barb, 3/4" FNPT x 1/2"
3	5051022	2	Hose Clamp (5208)
4	5020097	1	1/2" - 1 Brd. Hose x 7 Ft.
6	5067012	1	Hose Barb, 3/4" MNPT x 1/2"
7	5143123	1	Celon Globe Valve, 3/4"
8	5011005	2	Nylon Close Nipple, 3/4"
9	5010089	1	Tee, 3/4"
10	5041034	1	Nylon Reducing Bushing, 1" x 3/4"

