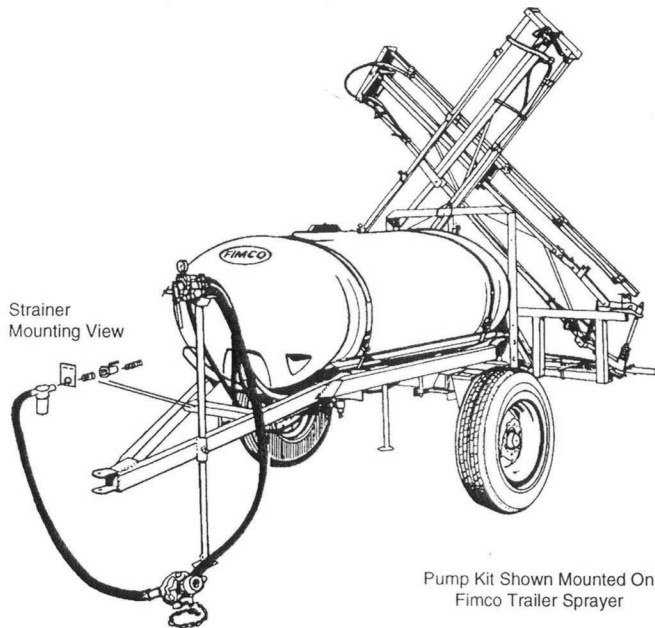


MODEL NOS. 715-D and 715F-D

Roller Pump Plumbing System

Assembly / Operation Instructions / Parts



1. Thread the reducing bushing and the poly fitting into the tank as shown on the exploded view drawing.
2. Mount the strainer to the trailer or carrier frame, and assemble the parts shown on the exploded view drawing.
3. Thread the nylon fittings into the ports of the pump. Be sure the larger fitting is threaded into the inlet port. Attach the torque chain and S-Hook to the pump.
4. Install the relief valve and parts to the tee valve as shown. The trailers and 3 point carriers provide a stand support for the TeeValve assembly. When using the assembly with a tractor front mount carrier, a mounting surface near the tractor seat is desired. The customer must provide the mounting bracket in this instance.
5. If a jet agitator is to be used, install the parts to the TeeValve and to the tank. (See note #8 for the bypass line instructions.)

GENERAL INFORMATION

Roller pumps are positive displacement pumps which means that the entire solution being pumped must go somewhere or the pump or plumbing system will be damaged. In this roller pumping system solution is drawn from the tank and forced to a planned source such as boom nozzles, handgun, or jet agitator. The pressure is controlled by a relief valve which is a spring loaded device that controls the amount of fluid bypassed to the tank. The tee handle is to be tightened to increase the pressure and loosened to decrease the pressure.

The tee valve is the "off-on" control which allows the operator to manually control each of the three separate sections of the boom in any of 8 combinations.

ASSEMBLY

Most of the tanks have (1) 1-1/4" threaded outlet and (1) 3/4" threaded outlet. Reducing bushings are furnished for the tanks having (1) 1-1/2" outlet.

The sprayers which do not need agitation will use the 3/4" tank outlet for the bypass line return. If agitators are used, then the bypass return may be plumbed into the inlet hose. The agitators may be located in the 3/4" tank outlet.

Assemble the pump system as per the following steps.

6. Measure the distances between the parts and cut the correct size hose to the lengths needed. Always cut the hoses an inch or so longer than necessary. The 1" hose is to be used between the tank and the pump. The 3/4" hose is used between the pump and the TeeValve. The 1/2" hose is used for the bypass line (relief valve to tank(and the boom feeder lines (tee valve to boom).
7. Slide the hose clamps onto to the hoses before attaching to the hose bars. Secure the hoses in place by tightening the hose clamps to the hose.
8. If it is necessary to drill a hole in the tank for the bypass line return, then drill a 7/8" diameter hole in a convenient location on top of the tank. (See the exploded view drawing). The nylon elbow hose fitting may then be threaded into the hole. The fitting will make its own threads into the tank wall.

REFER TO TO THE PARTS LIST TO SEE HOW MUCH HOSE OF EACH SIZE IS SUPPLIED. BE SURE THERE IS ENOUGH HOSE TO COVER THE LENGTHS YOU HAVE MEASURED.

