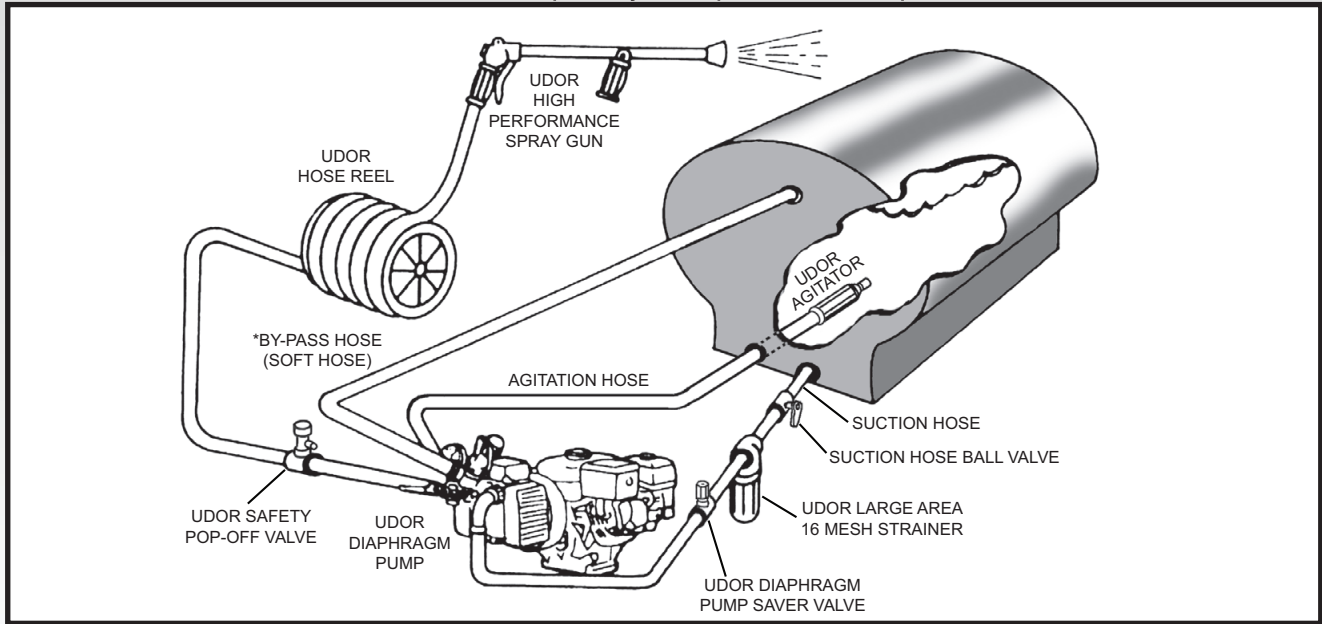


These are basic tank feed plumbing diagrams and are not recommended for all systems. Consult UDOR USA for specific system requirements and components.



NOTE: All plumbing accessories should be the same or greater diameter as the feed line. All ball valves should be full port valves only.

On any tank feed system each pump must be fed by its own separate feed line only. Never feed multiple pumps with one common feed line.

FEED TANK SIZE: A recommended minimum feed tank size is 6-10 times the maximum GPM output rating of the pump or pumps being used.

SAMPLE: 10 GPM PUMP x 6 = 60 GALLON MINIMUM FEED TANK SIZE.

USE BLUE THREADLOCKER OR EQUIVALENT ON ALL PLUMBING COMPONENTS, FITTINGS AND ACCESSORIES.

WARNING! UDOR Diaphragm Pumps are positive displacement pumps, therefore a properly designed pressure relief valve or pressure regulating valve must be installed on the pump or in the discharge plumbing. A secondary safety relief valve is also recommended. Failure to install a pressure relief valve or pressure regulating valve could result in personal injury, property damage or damage to the pump or system and void any warranty. In no way does UDOR USA assume any liability or responsibility for the construction or operation of a customer's or potential customer's high pressure system.

*** IMPORTANT**

INSTRUCTIONS:

FAILURE TO FOLLOW THESE IMPORTANT INSTRUCTIONS WILL VOID ANY AND ALL WARRANTY.

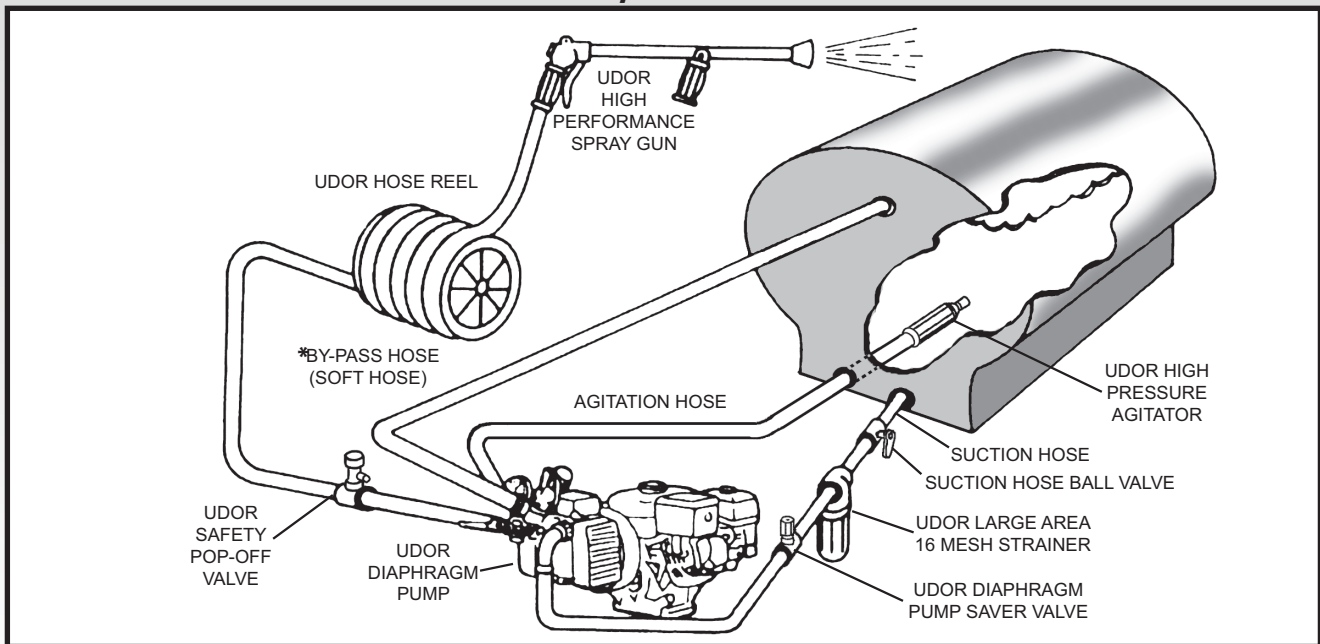
- KEEP SUCTION HOSE BALL VALVE OPEN WHENEVER SYSTEM IS BEING OPERATED.
- BY-PASS HOSE MUST BE OPEN AND UNRESTRICTED AT ALL TIMES.
- MAKE SURE ALL FEED TANKS HAVE PROPER Baffles AND VENTING.
- NEVER INSTALL AN AGITATOR OR BALL VALVE ON THE BY-PASS HOSE; USE SOFT HOSE ONLY.
- NEVER RUN ANY PUMP WITHOUT A PRESSURE RELIEF VALVE OR PRESSURE REGULATING VALVE INSTALLED.
- ALWAYS KEEP THE BY-PASS LINE AS FAR AWAY AS POSSIBLE FROM THE SUCTION HOSE LINE TO PREVENT AIREATION OR CAVITATION OF THE FLUID BEING PUMPED.
- ONLY USE FILTER SCREENS THAT ARE BETWEEN 10 & 20 MESH ON THE INLET SIDE OF THE PUMP. NEVER USE A FINE FILTER SCREEN ON THE INLET SIDE OF A DIAPHRAGM PUMP.

NOTE: Protect the pump and system from freezing. If freezing conditions exist, flush the pump, all hoses and complete system with a 50/50 mixture of anti-freeze and water. **** DO NOT RUN PUMP WITH FROZEN FLUID ****

WARNING! DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS. DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.

****SEE NEXT PAGE FOR MORE PLUMBING DIAGRAMS****

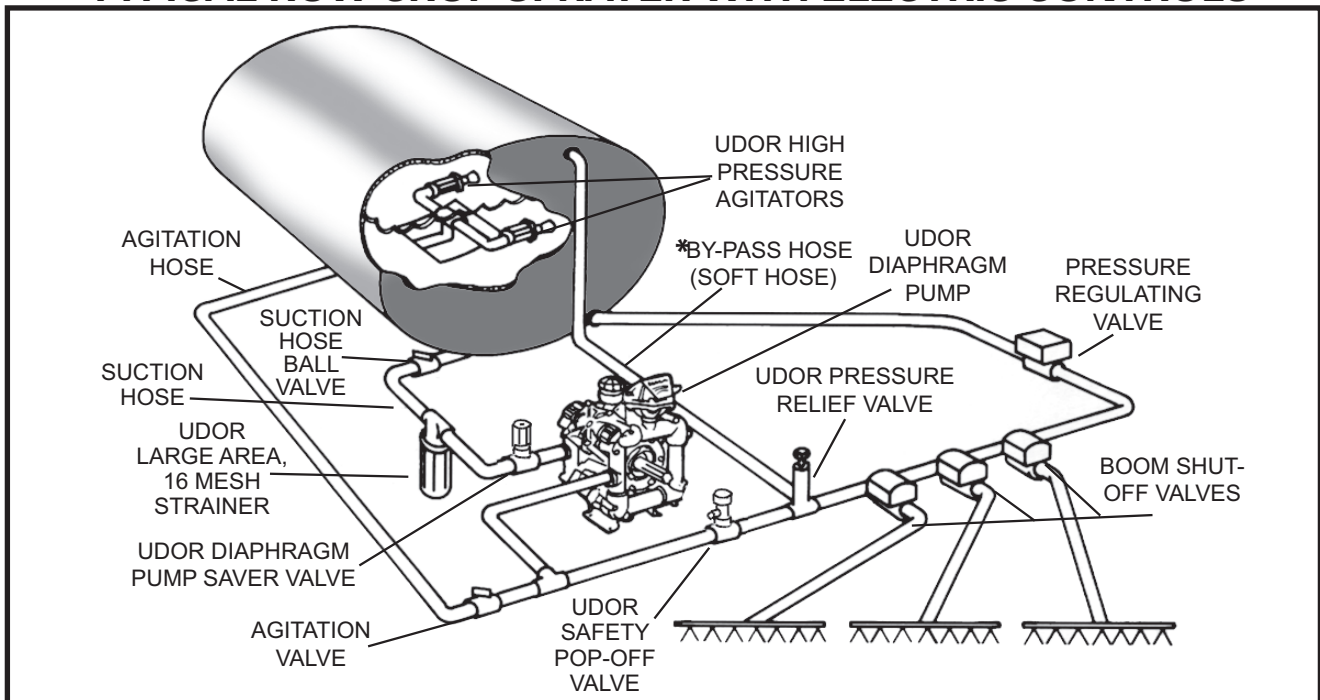
BASIC DIAPHRAGM PUMP PLUMBING DIAGRAM FOR A TYPICAL LAWN CARE/PEST CONTROL SPRAYER



By-pass hoses must be open and unrestricted at all times. Never install an agitator on the by-pass line.

These are basic tank feed plumbing diagrams and are not recommended for all systems. Consult UDOR USA for specific system requirements and components.

BASIC DIAPHRAGM PUMP PLUMBING DIAGRAM FOR A TYPICAL ROW CROP SPRAYER WITH ELECTRIC CONTROLS



By-pass hoses must be open and unrestricted at all times. Never install an agitator on the by-pass line.