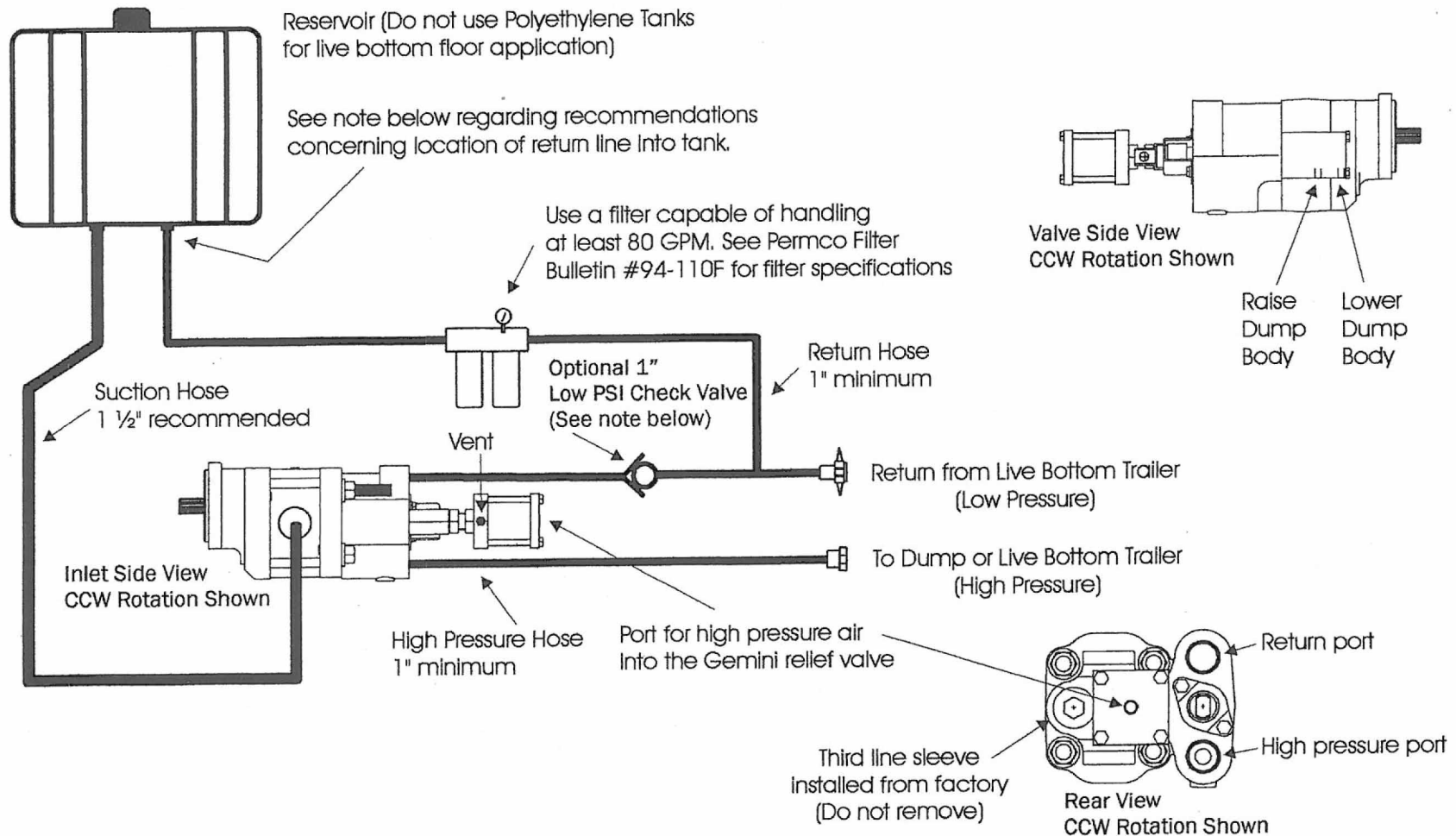


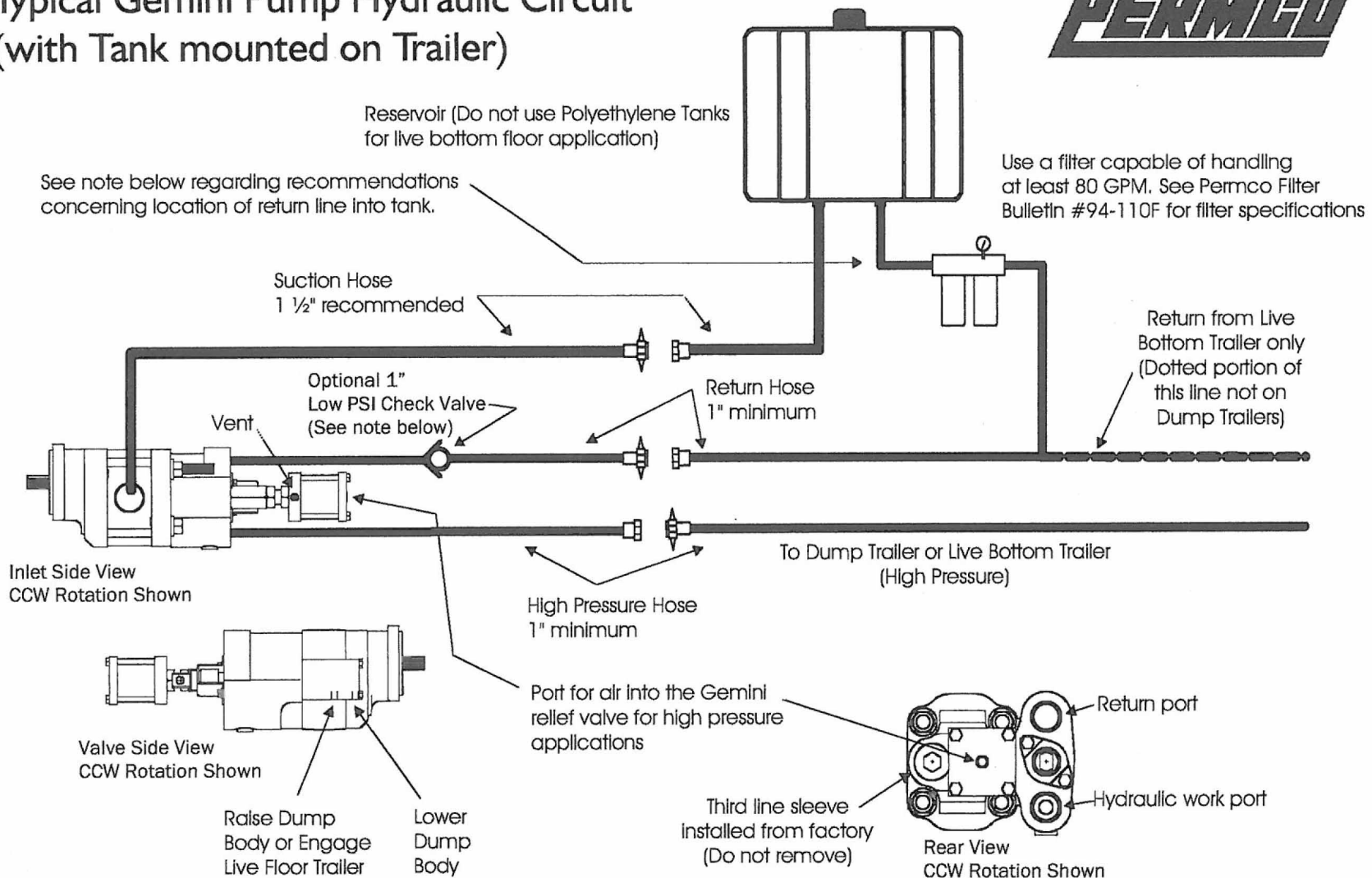
Typical Gemini Pump Hydraulic Circuit



Note:

1. To prevent aeration, the return line hose must enter the tank below the fluid level by means of entering the bottom of the tank or by means of using a drop tube (stand pipe), if not you must use the optional low PSI check valve as pictured above. (Raising the pressure in this line may cause the bed to raise in neutral)

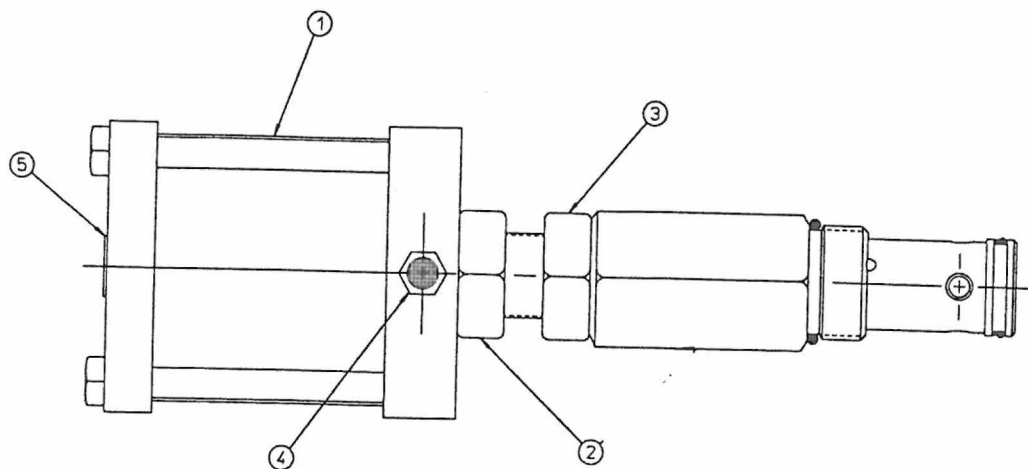
Typical Gemini Pump Hydraulic Circuit (with Tank mounted on Trailer)



Note:

1. To prevent aeration, the return line hose must enter the tank below the fluid level by means of entering the bottom of the tank or by means of using a drop tube (stand pipe), if not you must use the optional low PSI check valve as pictured above. (Raising the pressure in this line may cause the bed to raise in neutral)

ADJUSTING THE DPR*(DUAL PRESSURE RELIEF)



The relief valve comes preset at the factory for 2500 PSI and 3200 PSI. The lower setting is to be used for dump trailer applications and the high setting for live floor trailers. To change between the low and high setting, air pressure is induced via port (5). With a minimum of approximately 60 PSI air at this port, the relief valve setting will change to 3200PSI. Without pressure at (5) the unit reverts to the low-pressure setting.

Although it is not recommended, should you desire to adjust these pressures in the field, the following must be done. The setting should be made with a gage in the line. All rotations written below are made looking at the air inlet of the cylinder. Changing the low-pressure setting interacts with the high-pressure set point. In essence if you reduce the low pressure setting by 500 PSI, the high-pressure setting will be reduced by approximately the same amount. Increasing the setting will have the same effect: increasing the low-pressure setting will increase the high-pressure setting. Changing the high pressure setting WILL NOT affect the low-pressure set point.

TO ADJUST THE LOW PRESSURE SETTING

Loosen nut (3) To increase setting, turn the entire cylinder assembly clockwise. To reduce the setting, turn the cylinder assembly counter clockwise. When you have achieved your desired setting, seat nut (3) tightly against the relief valve body.

TO ADJUST THE HIGH PRESSURE SETTING

Loosen nut (2) To increase setting, turn the entire cylinder assembly clockwise. . To reduce the setting, turn the cylinder assembly counter clockwise. When you have achieved your desired setting, seat nut (2) tightly against the cylinder body.