

Leduc pumps are designed to ensure long service life, even when working in arduous conditions. The following assembly precautions should simply be respected.

FILTRATION

The operation of a pump is closely linked to the cleanliness and quality of the fluid it conveys. A filter on the inlet should not produce too much pressure drop. Our technical department would be pleased to help you to select the most suitable type of filtration.

SUPPLY LINE

The cross section of the supply line must be less than that indicated for the type of pump in question. The pipework between the tank and the pump must take as direct a path as possible. There should be no “high” points in the circuit.

The tube, with or without a breather, should be put into the tank in such a way so that nothing disturbs the “suction cone”. This “cone”, in both diameter and height, should be around 3 times the internal diameter of the suction line.

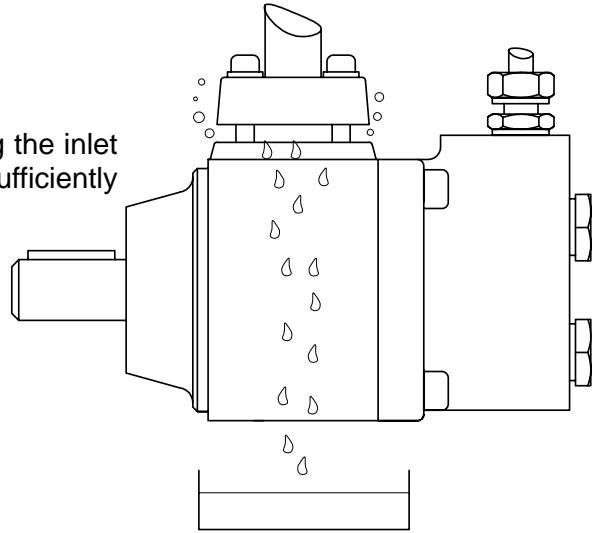
There should be no other line, to supply another pump for example, taken off this suction line.

INSTALLATION RECOMMENDATIONS

- Remove the protective covers off the inlet and output ports when connecting tubes or hosing.
- Rinse the tank and the tubes or hoses well to remove any possible contaminants.
- Before connecting up the pump inlet port, fill the tank and allow the oil to flow into a receptacle. This oil can be re-used after proper filtration.

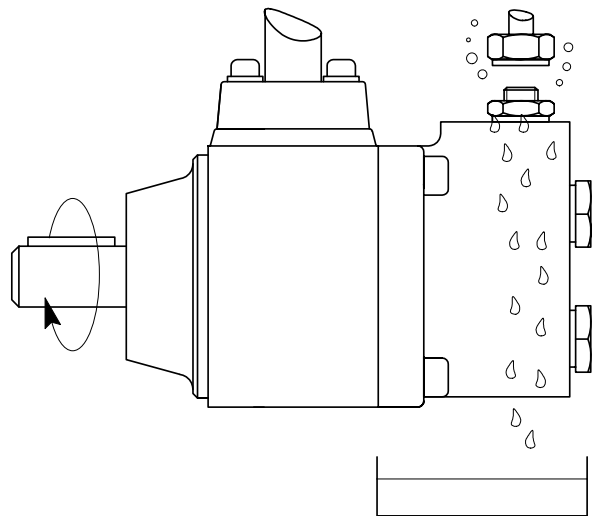
PUMP INSTALLED HORIZONTALLY

- Check the tank is clean.
- When possible, let the pump fill up by gravity by unscrewing the inlet connector (fig. 1), but make sure all other connectors are sufficiently tightened.
- Unscrew the output connector as far as possible to make it easier for air to get out (fig. 2).
- Start the pump up by switching it on – off several times.
- Close the pressure line as soon as no more air bubbles can be seen.



PUMP INSTALLED VERTICALLY

- Check the tank is clean.
- Open P₂ air bleed screw.
- Fill the tank so that the oil level is above the P₂ port.
- Make a leak on the pressure line as close as possible to the pump to enable air to get out.
- Close P₂ air bleed screw.
- Start the pump up by switching it on – off several times.
- Close the pressure line as soon as no more air bubbles can be seen.



CHECKING START-UP IS CORRECT

- Let the pump run for 3 or 4 minutes and check the flow is well established by actuating the distributor.
- Check that pump is operating with no vibration or abnormal noises.