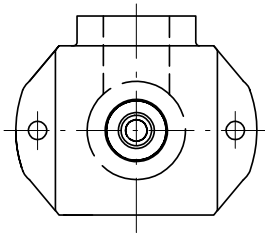


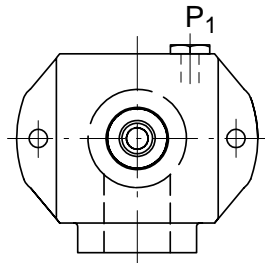
## PUMP ORIENTATION

The normal orientation for Leduc pumps is : drive shaft horizontal, inlet port towards the top. This orientation does not require an air bleed plug (schema 1). Leduc pumps can be installed with the orientation illustrated in schemas 2, 3 and 4 (pump viewed from its drive shaft) provided an air bleed plug is specified in the order.

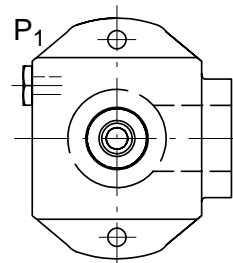


schema 1

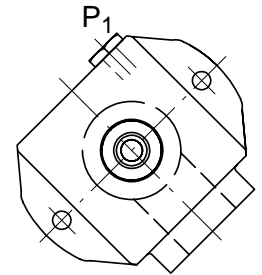
(without air bleed plug)



schema 2



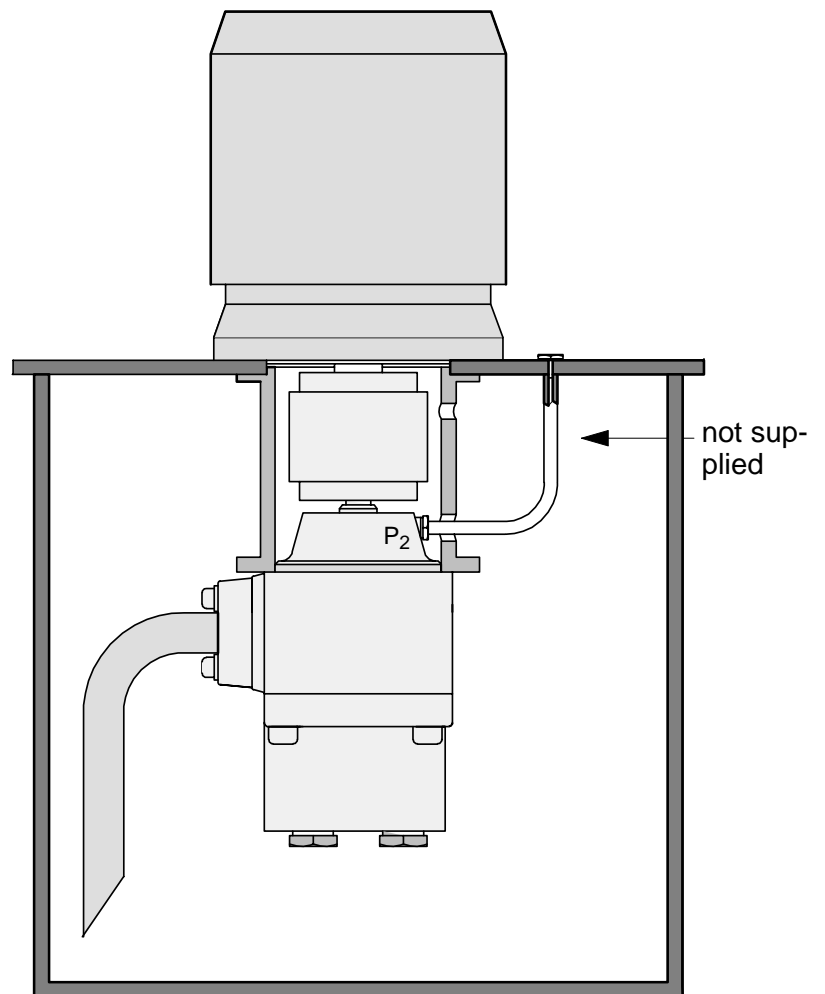
schema 3



schema 4

(specify air bleed plug P1 when ordering)

Pump installed vertically : a second air bleed plug is fitted at the top of the housing. For mounting, see schema 5 (below).



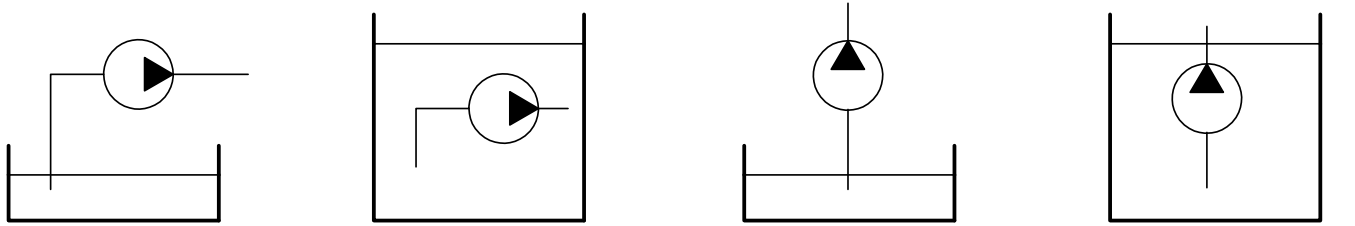
schema 5

**Note :** Installation with P<sub>2</sub> air bleed plug requires a particular start-up procedure. See start-up recommendations (sheet ref. A PI 42).

# INSTALLATION

## INDUSTRIAL PUMP

These pumps, now equipped in their standard version with self-priming valves, are able to run in the following different configurations.



### DRIVE

Ideally, the drive shaft should receive power through an elastic coupling. Other possibilities include : shaft drive, pulley or a circular spur gear.

**IMPORTANT :** The drive system must be fitted gently. Under no circumstances should forces tending to drive the shaft into the pump be applied.

### HEAD

For correct operation, the head on the supply line must be sufficient to ensure a positive pressure inside the pump housing.

The sketch opposite shows a simple means of verifying this.

The level must not be lower than the level N or the flange, when the pump is operating at maximum speed.

In cases where no head is available between the tank and the pump inlet, provision can be made for proper supply and efficiency by pressurizing the tank with compressed air. The Leduc tank pressurizing valve (ref. 041102) pressurizes at 250 g/cm<sup>2</sup> (3.55 PSI) and upon request, at higher pressure.

If supply pressure in the pump housing is  $P \geq 1$  bar (14.4927 PSI), please contact our Technical Department.

