



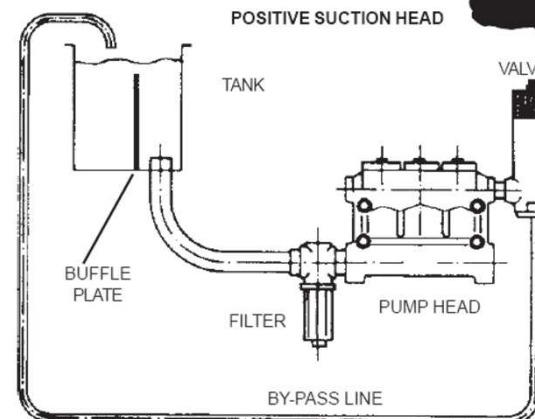
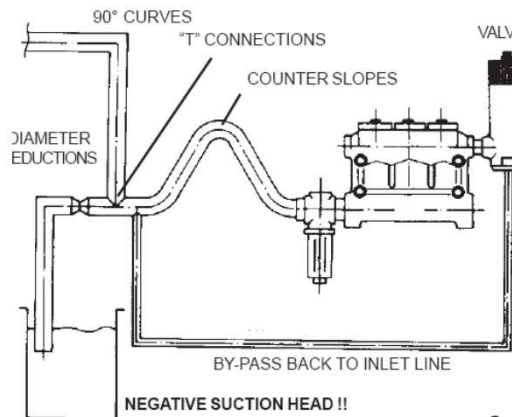
# Pratissoli

## Trouble shooting



## Is your suction line right ?

Suction line and conditions are very critical for the pump life.



### THE FIVE RULES

Plunger pumps are not self-priming and, for this reason, should always be installed with a positive head. If operated with a suction lift cavitation is very likely to occur. The pump life is therefore influenced by the effectiveness of the suction line, which should be realised according to the 5 following basic rules:

1. The internal diameter must be at least of the same size of the inlet port, to be increased according to the drops of pressure due to the length and shape of the line
2. Must be as constant as possible and positioned in such a way to facilitate air pockets and bubbles to escape
3. It must be perfectly airtight.
4. It must be free from 90° elbows, diameter reductions, counter slopes, T connections and must not be connected with other pipelines.
5. It must be positioned in such a way to avoid the pipe emptying after the pump stop.

