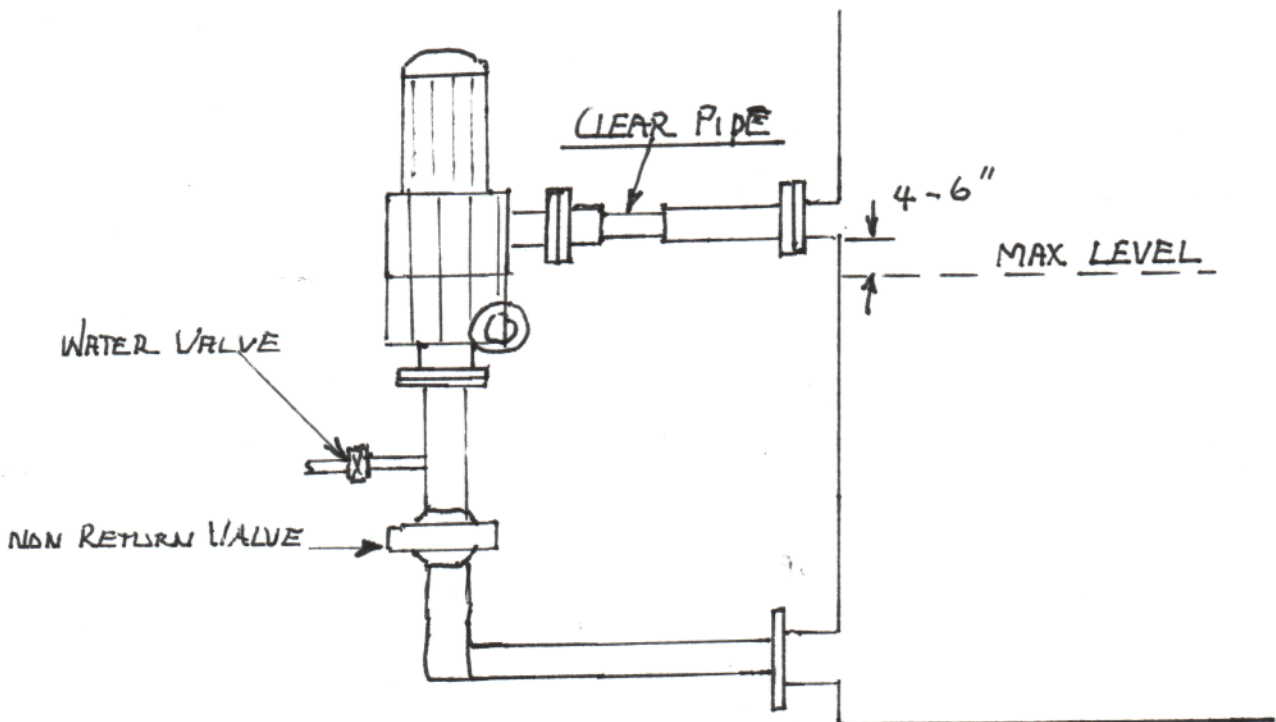


Fine Tune Your Automatic Priming Installation

Here are a few ideas to fine-tune your installation, especially if you have a scrubber with frequently changing liquid levels.

- (1) Install a ½" water-line into the suction line, approximately 200mm above the full bore non-return valve, in, at least one of the two recirculation pumps. This is to prime the pump when the liquid level in the sump is below the max level, (see sketch) this operation should only necessary once in a continuously run scrubber! As the running pump will then automatically prime the stand-by pump and vice versa.
- (2) Install the pumps, so that the over-flow branch is between 4 and 6" above the max liquid level of the sump. This is to create a slight head of liquid, above the non-return valve, and will keep it closed, even when the sump is at max liquid level.
- (3) Install a short piece of clear PVC pipe in the over-flow branch, just after the tee piece that joins the two pumps together, (see sketch) this is to easily see when the pump is primed, as a trickle of liquid will flow through it, back to the tank, this just makes the operators job much easier.



I hope this gives you some food for thought, and will assist you in designing a fault-less installation.

Mark Muckle

078952 789 208.