

## A self-priming unit pump manual

1. Suction height must be set less than 4m.
2. A suction side pipe in the direction of horizontal direction must be less than 2m.
3. As a self-priming pump , it is no need to set a foot valve .
4. However , to remain liquid for self-priming , we have choices that is to ;  
 install a foot valve when there are a lot of on-off in driving pump.  
 install a foot valve when you want to shorten self-priming time.
5. Discharge piping length of the pump including a stop valve and a check valve has to be longer than 0.5m.
6. Please install a check valve in an ejection side , Because liquid in the plumbing flows backward when a pump stops.
7. If an ejection pipe from a pump was too long or pumps derived in parallel , install a check valve in an ejection side.
8. When plumbing resistance to the ejection side is high , install an exhaust valve and plumb pipes s from an exhaust valve to suction tank for flowing feedback liquid.
9. Retighten the gaskets occasionally , Shaft gasket type tend to inhale air on Self- Priming.
10. When slurry get mixed in suction tank, install a strainer in an inlet pipe.

