

## **OPERATION OF THE PUMP**

With the pump properly plumbed into the system and fully primed, bring the pump unit up to half speed. Then turn the engine off and allow the unit to coast to a stop. If it stops suddenly or there is any unusual noise, identify the cause of the trouble. Do not restart the engine until the problem is corrected. Repeat this procedure until the unit quietly coasts to a stop when the power is cut-off. Continuously check the bearing housing and stuffing box temperature. If either becomes too hot to hold your hand tightly and indefinitely against housing the pump may be binding, stop the unit and correct the cause of the trouble. If pumping hot liquids this may not apply.

The pump may be throttled by fitting a butterfly valve or similar to the discharge side of the pump. However, the pump must never be throttled on the suction side because this may cause it to cavitate. Throttling can reduce the power consumption of the pump. When the pump is exposed to freezing temperatures, it should be drained immediately after stopping.