

Installation/Commissioning

1. In setting a pump system, select a place where the pump can be easily adjusted and disassembled, as well as the tank can be refilled with lubricant during operation and dust and contaminant are less. Pump unit must be partitioned specially in a place where dust and dirt are severe. Install the electric control panel in the vicinity of machine operation room or pump unit. Select a place which is dry and free from vibration.
2. As for manual system, install the pump by use of frame of the machine or make a special pump mounting plate, and secure to it. Place the pump about 1m above the floor so that the tank can be charged with lubricant during machine operation, and the pump and handle can be operated easily.
3. Disassemble and clean the pump refilling port strainer from time to time.
4. Mark the position of distributing valve directly on the machine with a chalk according to the piping diagram. Do not install the distributing valve directly on the frame plane of the machine, but support both ends with the bottom of intermediate element floating. Alternatively, manufacture a simple installing board as appropriate. Install the distributing valve in a position easy to see as far as possible.
5. When the rotation direction of motor driven pump is specified, follow the nameplate indicating rotation direction. If the pump is rotated reversely, the pump may be damaged.
6. Use piping material cleaned with acid. Otherwise, clean the piping with acid and wash inside completely before assembling. Especially, make sure that no chip is left at all.
7. When piping is completed, charge every line with lubricant and purge air out. If air is not purged sufficiently, air is compressed or expanded in the distributing valve and piping, and system does not operate normally. For purging air, operate the system with fitting removed at each line end (inlet of each distributing valve and bearing), and when grease floods out, connect them in sequence.
8. Use special care in grease blow of this system. Dust and dirt in the piping are not only sent to the bearing resulting in accident, but also are placed into the sliding portion of distributing valve. On resulting in disturbing operation and function disabling. In commissioning, pay attention especially to the operation of distributing valve, condition of bearing and etc.
9. AKA motor driven pump system is designed to ensure that lubricant is released to the tank through safety valve when line pressure rises above specified pressure. Safety valve is adjusted at 23MPa.
10. In order to detect blockage of distributing valve, piping and etc., set the pressure at the normal operation pressure + 3 - 5MPa, which must be below 21MPa. When the difference from operation pressure is too great, blockage is hard to detect.
11. When filling the tank with grease, be sure to use a grease filling pump. It is for preventing grease from foreign substance mixing as well as preventing the tank from air entering. When operating the handle of grease filling pump, if you feel anything abnormal in the response from the handle, it is because air entered or filter is clogged with some foreign substance. Be cautious.
(See the selection of grease.)