

Installation instruction

- During the assembly, check that pump is in line and concentric with the drive shaft sleeve to prevent overloading of the pump shaft bearing.
- Clean carefully all tanks and pipes internally before assembly.
- The pipe internal diameter must be suitable for the max oil speed through them.
- It is advisable to fit the pump lower than oil level of tank.
- Heat exchangers must be considered in the machine design, to keep temperature level within the limit of 80°C.

Multiple Pumps

- In case of installing multiple pump it is advisable to mount a supplementary support (see Optional SP).

Attention: connect the support to the engine and/or use an elastic support.

Maximum shaft torque

In the case of installation of multiple pump, verify that the total shaft torque is not more than the maximum value rated for each shaft type.

Accessories

The TPV pumps can be supplied in different versions, with different types of shaft and equipped with different types of control devices and optional:

- Hydraulic Servo Remote Control **SHI**
- Electric Servo Remote Control **SEI 1** (12 V dc)
- Electric Servo Remote Control **SEI 2** (24 V dc)

Optionals

- Full resistant front bearing **RB**
- Screw By-pass **SB**
- Multiple pump support **SP**

First starting

- Before starting fill all the system components with new and filtered oil.
- Verify that the charge pressure is correct.
- Restore the tank oil level.

Maintenance

- The first oil change must be made after approximately 500 hours of operations, and then every 2000 hours.
- The filter cartridge must be replaced the first time after 50 hours and then every 500 hours, such time should be reduced when the filter clogging indicator shows that the cartridge is clogged or when the system works in a heavily polluted environment.