



Precision Gear Pump

Model code	Capacity [cm ³ /Rotation]	Oper. torque [Nm]	Max. torque [Nm]	Net weight [kg]
HKG1310	1.0	8	12	1.2

Pump Details

Inlet Pressure max ; 0-10 bar
Work Pressure max ; 70 bar
Speed ; 1-100 rpm/min
Suction Port ; PT1/4
Pressure Port ; PT1/4
Rotation ; Right(cw), in view of drive shaft
Design ; External Spur Gear
Sealing Type ; V-packing or Roto variseal etc
Viscosity-Range ; 10-1,000,000 cst
Operating Temperature ; Max. 120 °C

Materials

Center plate rear ; Stainless Steel hardened
Center plate ; Stainless Steel hardened
Center plate front ; Stainless Steel hardened
Gear ; Stainless Steel hardened
Shaft ; Stainless Steel hardened
Sealing housing ; Stainless Steel
Seal : PTFE or PTFE + Carbon

Reference

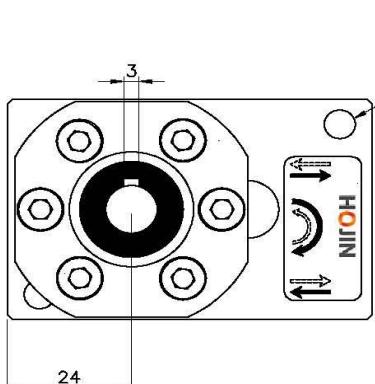
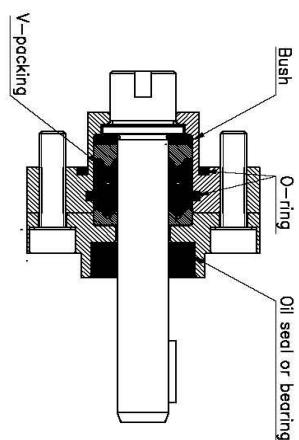
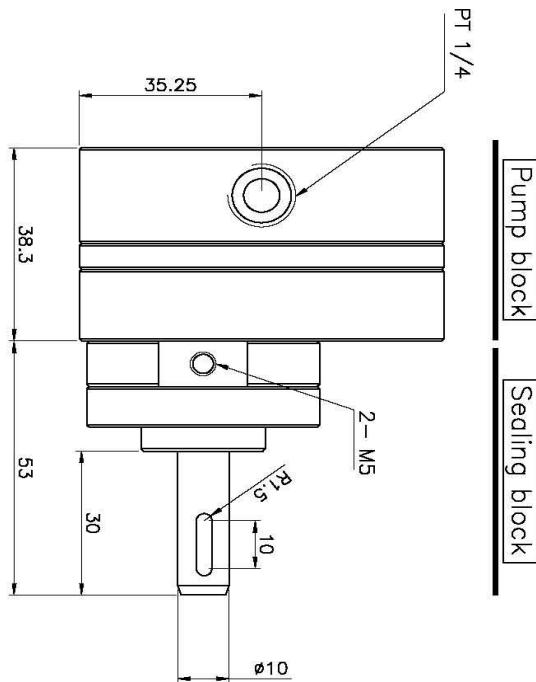
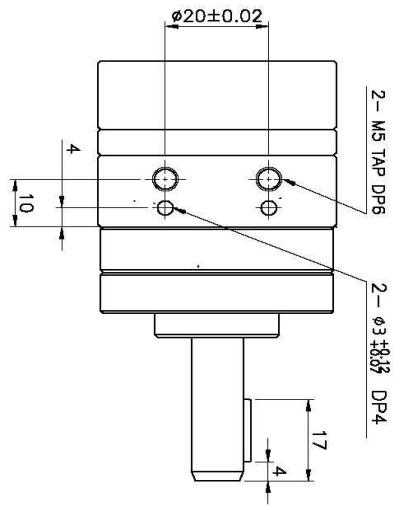
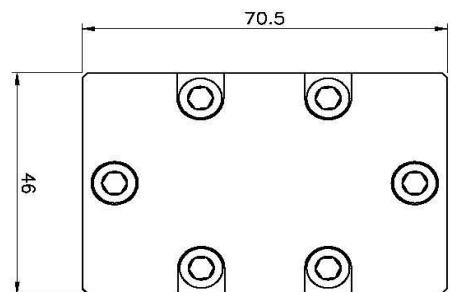
- In our case of saw-toothed coupling between motor and gear pump, they needs each gap of less than 2mm.
- For cooling, pumps need to be supplied somewhat air and somewhat space of at least 150mm around pumps.

Precautions

 Make sure the gear pump is aligned with the motor, otherwise the life expectancy of pumps may be shorten.

Make sure Precision Gear Pump do not be operated without lubricant because it might shorten the life expectancy

Architecture drawng



Sealing block
[V-packing]

Dowel pin

Pump block
Sealing block