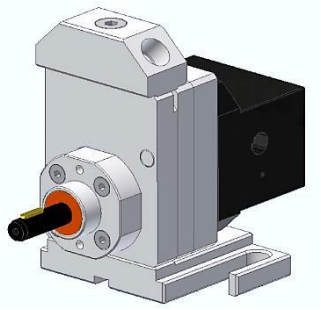

Flushable Gear Pump

Model code	Capacity [cm3/Rotation]	Oper. torque [Nm]	Max. torque [Nm]	Net weight [kg]
HFPM 3.0(1way)	3.0	8	12	3.15

- **Pump Body : Stainless Steel + ADLC**
- **Valve Block : Engineering Plastic**
- **In/Out Block : Engineering Plastic & Stainless Steel**

Operating pressure

fluid ; Min. 2.0 bar / Max. 4.0 bar
valve ; Min. 5.0 bar / Max. 7.0 bar
cleaner ; Min. 5.0 bar / Max. 7.0 bar
difference between input & output ; ΔP ± 2bar

Operating Temperature ; Max. 120 ℃

RPM

optimum 30~80 rpm
Min. 20rpm~ Max. 100rpm
When flushing : Max. 40rpm

Dosing accuracy ; ± 2.0 %
Conditions : 30~80 rpm / Oil viscosity 20s, DIN4 / (ΔP) ± 2bar

Reference

- In our case of saw-toothed coupling between sub 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 sub motor, otherwise the life expectancy of pumps may be shorten.
Make sure Flushable Gear Pump do not be operated without lubricant because it might shorten the life expectancy

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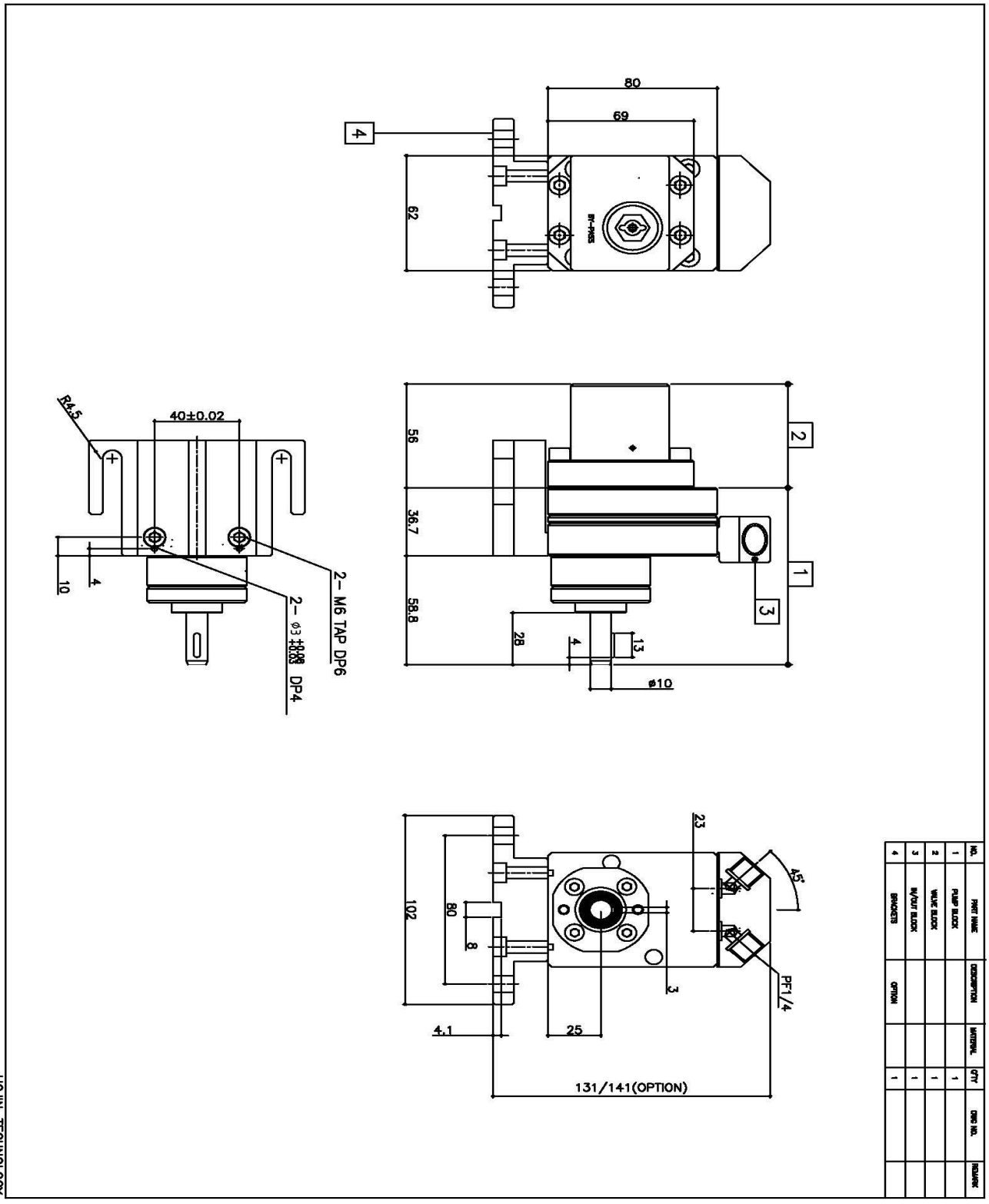
Architecture drawing



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