

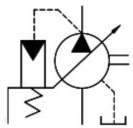
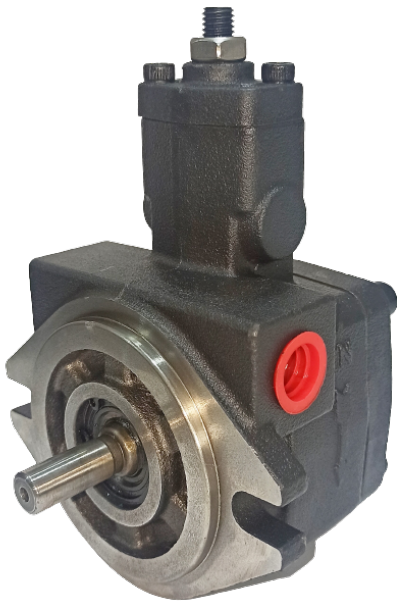
VARIABLE VANE PUMP - FVP



Pressure Compensated | 70bar | 24 lpm

Specification/ Technical Data

| | |
|----------------------------|-----------------|
| Max. Operating Pressure | 70 bar |
| Operating Range | 15-60 bar |
| Flow Type | Pr. Compensated |
| Maximum Flow | 24lpm |
| Type | Single Vane |
| Min- Max RPM | 750 - 1600 |
| Body Material | SG Iron |
| Media | Mineral Oil |
| Oil Temperature Range | +10 to 80°C |
| Oil Viscosity | ISO VG 46-100 |
| Oil Cleanliness (ISO 4406) | 20/18 /15 |
| Orientation | Any |
| Weight (approx.) | 5.2 - 9.5 Kg |



FVP type pressure compensated vane pumps are used for energy saving applications in the machine tool industry. When the system pressure reaches the set pressure, the pump delivery gets reduced automatically and the pump operates to maintain required system pressure. This prevents unnecessary heat addition into the system and also reduces the load on the electric motor thereby reducing the power consumption. These pumps are designed for low noise and long line for low pressure applications up to 70bar. When the system pressure drops below the set value, the pump again compensates to increase the flow and achieve the required set pressure.

The unique working principle makes these pumps ideal for low pressure applications in machines for functions like chuck clamping, fixture applications etc. and also on machines where the cycle times are short and frequent pressure cycles are required.

These pumps are available in 2 sizes, size 1 and 2. In size 2 additional feature of flow adjustment feature is added as standard.

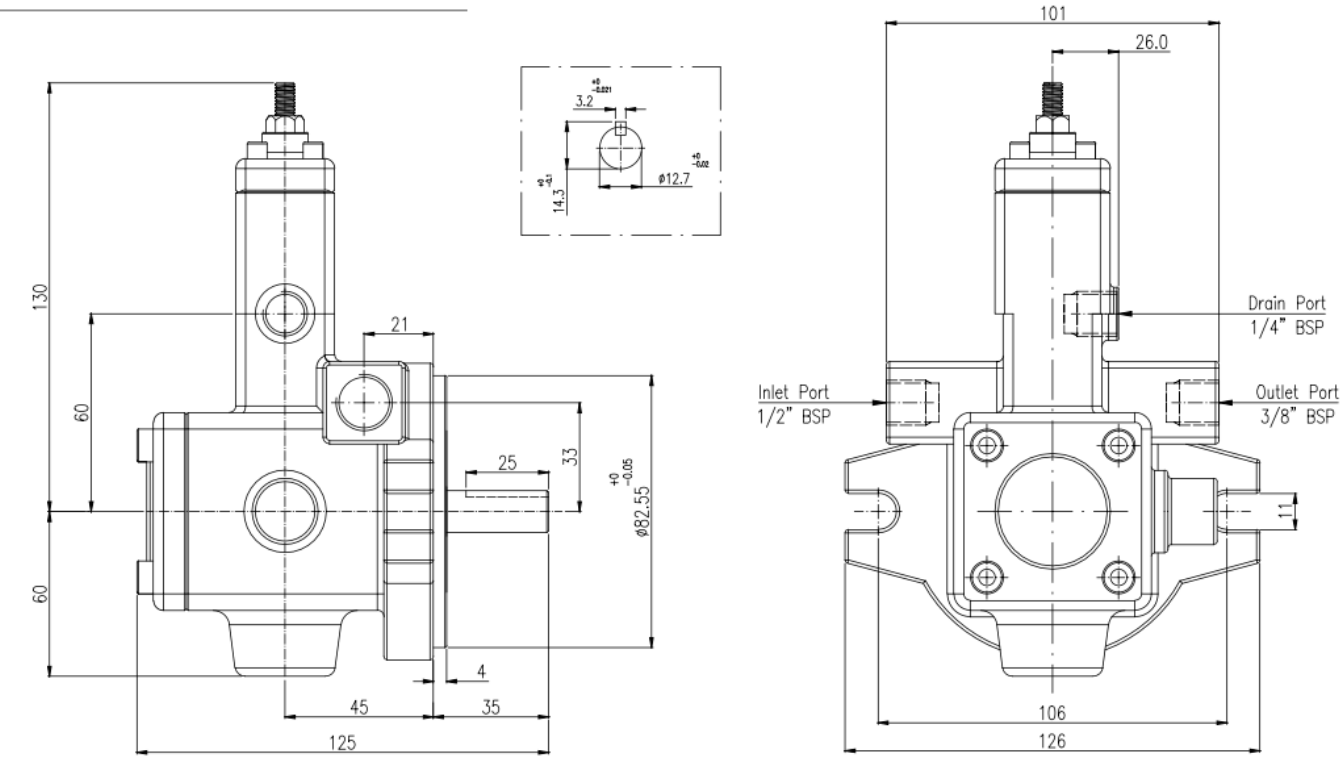
Note: Only FVP2 has flow adjustment feature as standard

Ordering Information

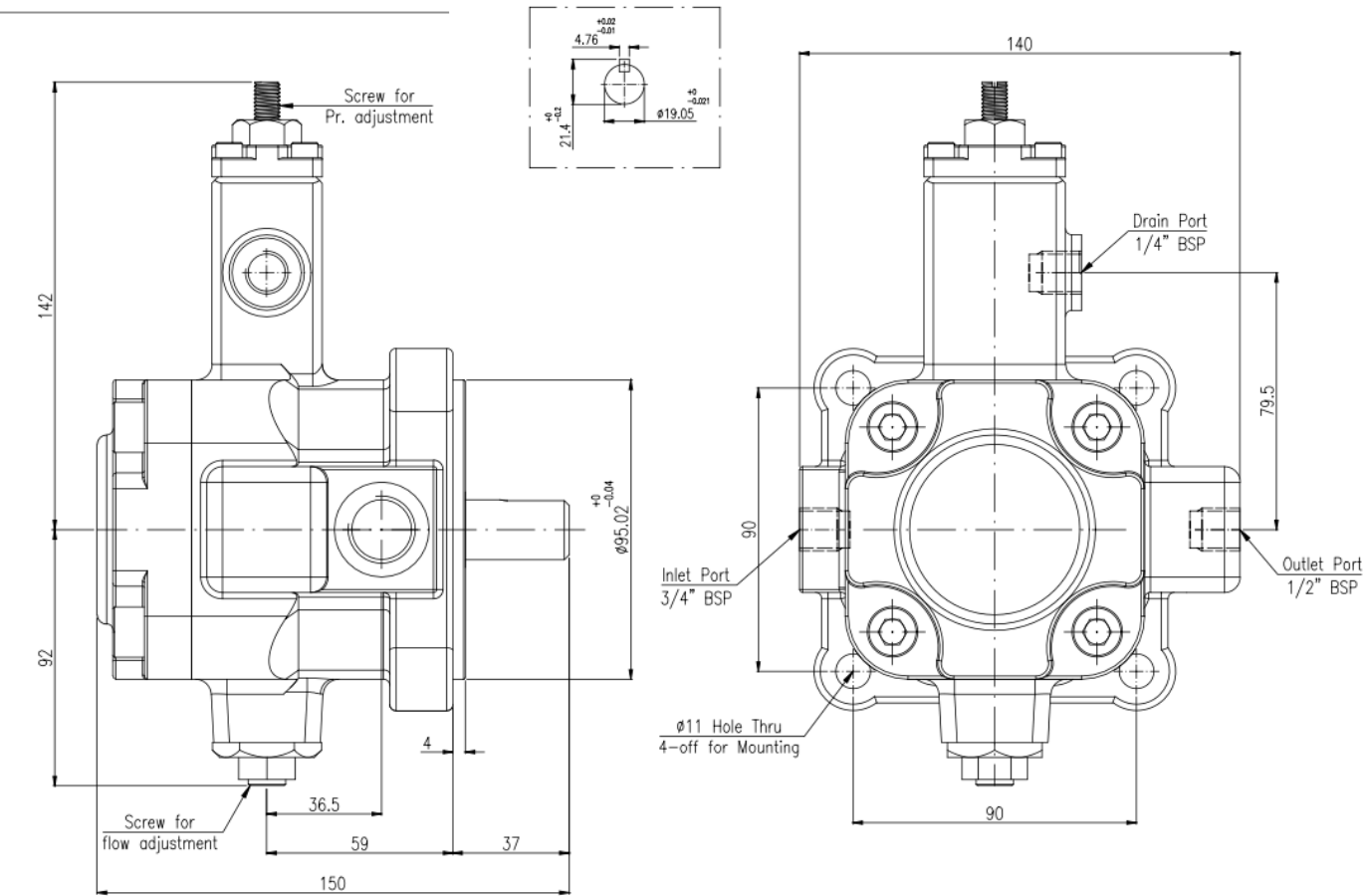
| Basic Code | Pr. Compensated | FVP |
|---------------|---------------------------|---------|
| Size | 1 - 12/16 lpm/ 2 - 24 lpm | 1 |
| Flow | 12, 16, 24lpm | 12 |
| Seal Material | NBR | No Code |
| Version | | 1x |

| Model | Pump cc | Flow 1500RPM | Max Pr. | Pr. Range | Weight |
|------------|---------|--------------|---------|-----------|--------|
| FVP 1 - 12 | 8.0 | 12lpm | 70 bar | 15-60bar | 5.2 Kg |
| FVP 1 - 16 | 10.6 | 16lpm | 70 bar | 15-60bar | 5.2 Kg |
| FVP 2 - 24 | 16 | 24lpm | 70 bar | 15-60bar | 9.5 Kg |

Size 1 (FVP1)

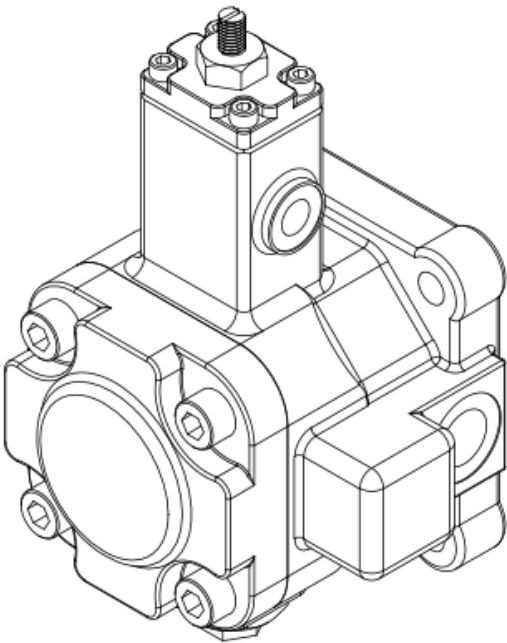
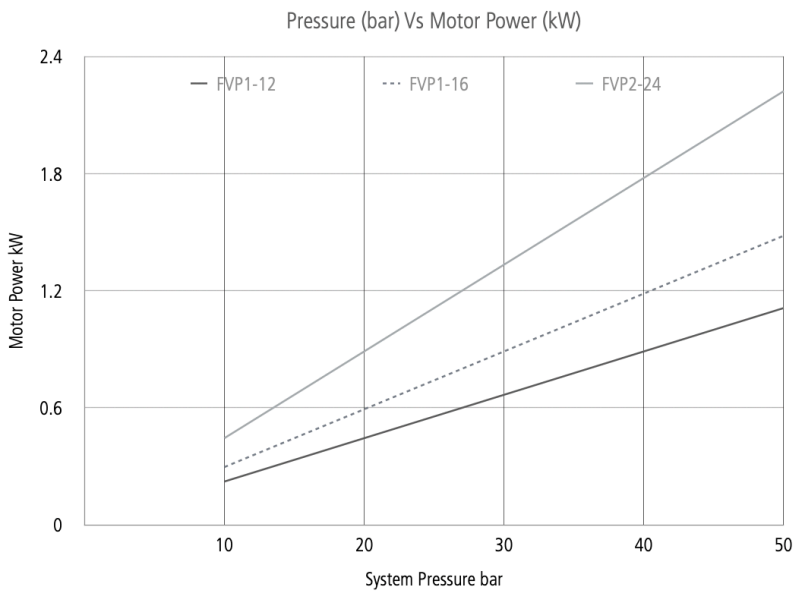
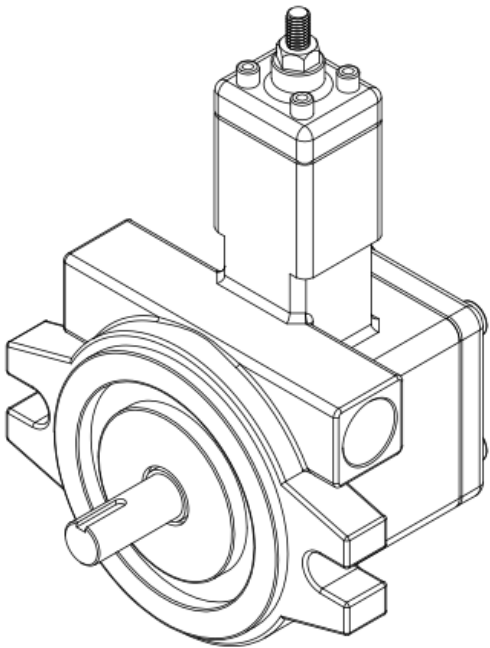
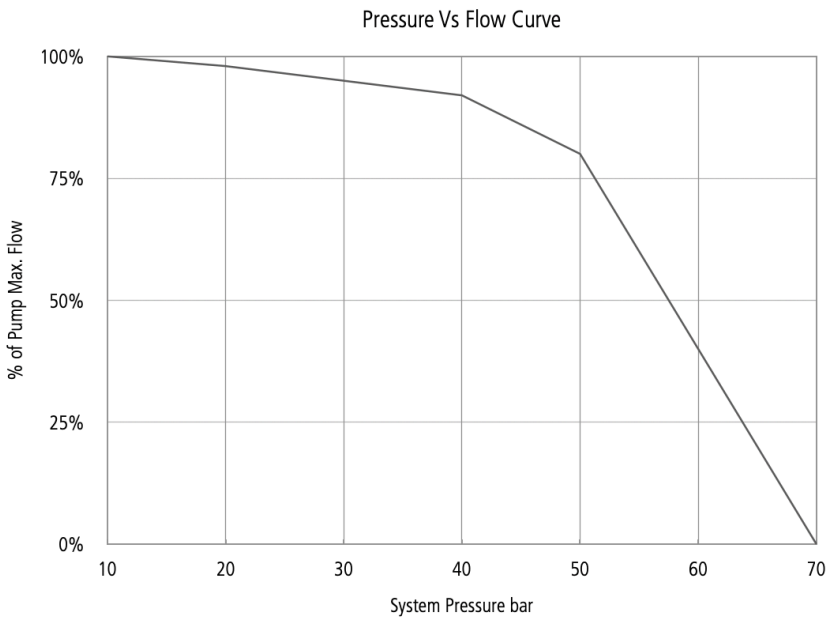


Size 2 (FVP2)



Performance Chart

Recorded at T_{Oil} = 40°C and 68 cSt.



All dimensions in mm

Spare List

| | |
|----------------|-----------|
| SealKit - FVP1 | SSPFVP11x |
| SealKit - FVP2 | SSPFVP21x |

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