

ACE

Ace Automation Engineers
Hydraulic & Pneumatic Systems

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ANSON
HYDRAULICS



VARIABLE DISPLACEMENT VANE PUMPS

Advantages of Variable Displacement Pumps Vs Fixed Displacement Pumps.

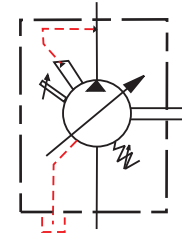
- Variable Displacement pumps are energy efficient.
- Output flow can be varied automatically to meet system requirement.
- Quieter operation.
- Adjustable pressure and flow.
- Cooler hydraulic fluid resulting in longer component life.

Features :

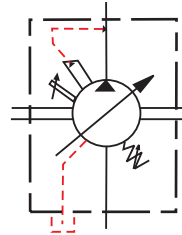
- **High Efficiency:** The 'Three Point Ring' support system ensures the stability and high efficiency of the pump even at 140 bar pressure.
- **Quiet Performance:** The specifically designed Cam Ring helps in maintaining a very low noise level even at high pressure operations.
- **Quick Response:** The 'BIAS Piston' design ensures a quick response of the variable displacement pump.
- **Stable Flow:** The new 'Pressure Balance Mechanism' incorporated in the pumps gives a stable output flow.
- **Energy Saving:** The highly advanced precision machining technology helps in reduced power consumption.
- **Easy Testing and Maintenance:** The pressure and volume adjustment screws are conveniently located for ease in adjustment and testing.

SINGLE PUMPS

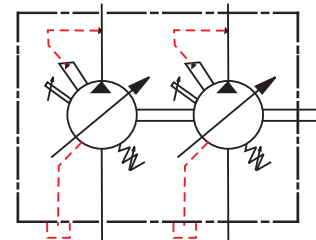
| PUMP MODEL | FLOW RATE LPM @1500 RPM | PRESSURE |
|--|-------------------------|--------------|
| PVF Series : SINGLE VARIABLE DISPLACEMENT VANE PUMP UPTO 70 BAR (A) | | |
| PVF 12-**-10 | 10 LPM | 8 - 70 BAR* |
| PVF 20-**-10 | 16 LPM | 8 - 70 BAR* |
| PVF 20-**-10 | 16 LPM | 8 - 70 BAR |
| PVF 30-**-10 | 25 LPM | 8 - 70 BAR |
| PVF 40-**-10 | 33 LPM | 8 - 70 BAR |
| *NO MANUAL FLOW ADJUSTMENT | | |
| SVD Series : SINGLE VARIABLE DISPLACEMENT, SILENT, HEAVY DUTY VANE PUMP UPTO 70 BAR (A) | | |
| SVD 08-**-10 | 12 LPM | 8 - 70 BAR |
| SVD 12-**-10 | 18 LPM | 8 - 70 BAR |
| VD Series : SINGLE VARIABLE DISPLACEMENT, HEAVY DUTY VANE PUMP UPTO 70 BAR (A) | | |
| VD 08-**-10 | 12 LPM | 8 - 70 BAR |
| VD 12-**-10 | 18 LPM | 8 - 70 BAR |
| VD 16-**-10 | 24 LPM | 8 - 70 BAR |
| VP5F Series : SINGLE VARIABLE DISPLACEMENT VANE PUMP UPTO 105 / 140 BAR (A) | | |
| VP5F A-**-50 | 25 LPM | 15 - 140 BAR |
| VP5F B-**-50 | 33 LPM | 15 - 105 BAR |
| TPF Series : THROUGH SHAFT VARIABLE DISPLACEMENT VANE PUMP (70 BAR) (B) | | |
| TPF VL-30-1-GOO-10 | 25 LPM | 15 - 70 BAR |
| TPF VL-40-1-GOO-10 | 33 LPM | 15 - 70 BAR |



(A)



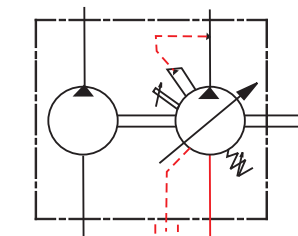
(B)



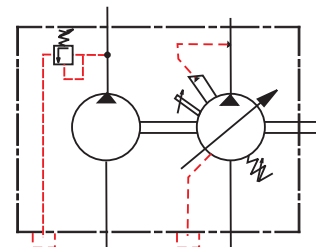
(C)

DOUBLE PUMPS

| PUMP MODEL | FLOW RATE LPM @1500 RPM | PRESSURE (BAR) | FLOW RATE LPM @1500 RPM | PRESSURE (BAR) |
|--|-------------------------|----------------|-------------------------|----------------|
| PVDF Series : DOUBLE VARIABLE DISPLACEMENT VANE PUMP UPTO 70 BAR (C) | | | | |
| PVDF-3-**-3-**-10 | 25 | 8 - 70 | 25 | 8 - 70 |
| PVDF-3-**-4-**-10 | 25 | 8 - 70 | 33 | 8 - 70 |
| PVDF-4-**-4-**-10 | 33 | 8 - 70 | 33 | 8 - 70 |
| VP5FD Series : DOUBLE VARIABLE DISPLACEMENT VANE PUMP UPTO 140 BAR (C) | | | | |
| VP5FD-A-**-A-**-50 | 25 | 15 - 140 | 25 | 15 - 140 |
| VP5FD-A-**-B-**-50 | 25 | 15 - 140 | 33 | 15 - 140 |
| VP5FD-B-**-B-**-50 | 33 | 8 - 70 | 33 | 8 - 70 |
| TPF + HGP Series : D.P.V.D. VANE PUMP (70 BAR) WITH HIGH PRESS GEAR PUMP (D) | | | | |
| TPF VL-30-**-HGP-1A-**-10 | 25 | 15 - 70 | 3 - 12 | 210# |
| TPF VL-40-1-HGP-1A-1-10 | 33 | 15 - 70 | 3 - 12 | 210# |
| TPF + PR1 Series : D.P.V.D. VANE PUMP (70 BAR) WITH HIGH PRESS GEAR PUMP WITH PRESSURE RELIEF (E) | | | | |
| TPF VL-30-1-PR1-020-10 | 25 | 15 - 70 | 3 - 12 | 210# |
| TPF VL-40-1-PR1-020-10 | 33 | 15 - 70 | 3 - 12 | 210# |
| # INTERMITTENT PEAK PRESSURE : 250 BAR | | | | |



(D)



(E)

Product Range

- Hydraulic cylinders and power packs. • Hydraulic & pneumatic presses. • Oil filtration and transfer units.
- Pneumatic control panels, control valves, cylinders.

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Other Dealerships



Pneumatics



Oil Coolers



Oil Coolers