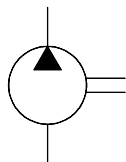


## PVR1T Series Single Vane Pumps

These Pumps are widely used as a source of hydraulic power. They combine stable performance and robust construction with a wide range of delivery rates.

Graphic Symbol



## Specifications

| Model Number | Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power | Shaft Speed Range<br>r/min. |      | Mass (Approx.)<br>Kg. |               |
|--------------|-------------------------------------------------|-------------------------------------------|-----------------------------|-----------------------------|------|-----------------------|---------------|
|              |                                                 |                                           |                             | Max.                        | Min. | Flange Mounting       | Foot Mounting |
| PVR1T – 4    | 3.5                                             | 125                                       | Refer to Page 122 & 123     | 1800                        | 750  | 5.8                   | 7.5           |
| PVR1T – 6    | 5.5                                             | 175                                       |                             |                             |      |                       |               |
| PVR1T – 8    | 7.8                                             |                                           |                             |                             |      |                       |               |
| PVR1T – 10   | 8.7                                             |                                           |                             |                             |      |                       |               |
| PVR1T – 12   | 11.5                                            |                                           |                             |                             |      |                       |               |
| PVR1T – 15   | 13.8                                            |                                           |                             |                             |      |                       |               |
| PVR1T – 17   | 14                                              |                                           |                             |                             |      |                       |               |
| PVR1T – 31   | 22.0                                            |                                           |                             |                             |      | 6.2                   | 8.0           |

## Model Number Designation

| F                                                                      | - PVR1T      | - 4                            | - L                   | - R                           | A                                                                                                        | -20             | 80              |
|------------------------------------------------------------------------|--------------|--------------------------------|-----------------------|-------------------------------|----------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| Special Seals                                                          | Series       | Nominal Displacement           | Mounting              | Direction of Rotation         | Discharge                                                                                                | Design * Number | Design Standard |
|                                                                        |              |                                |                       | As Viewed From Shaft End      |                                                                                                          |                 |                 |
| <b>F:</b><br>For Phosphate Ester Type Fluids<br>(Omit if not required) | <b>PVR1T</b> | <b>4, 6, 8, 10, 12, 15, 17</b> | <b>L:</b> Foot Type   | <b>R:</b> Clock wise (Normal) | (See Drawing)<br><b>A :</b> Normal (Upwards)<br><b>B :</b> Bottom<br><b>R :</b> Right<br><b>L :</b> Left | <b>20</b>       | <b>80</b>       |
|                                                                        |              | <b>31</b>                      | <b>F:</b> Flange Type | <b>L:</b> Counter Clockwise   |                                                                                                          |                 | <b>80H10</b>    |

\* Design numbers subject to change from 20 to 29, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

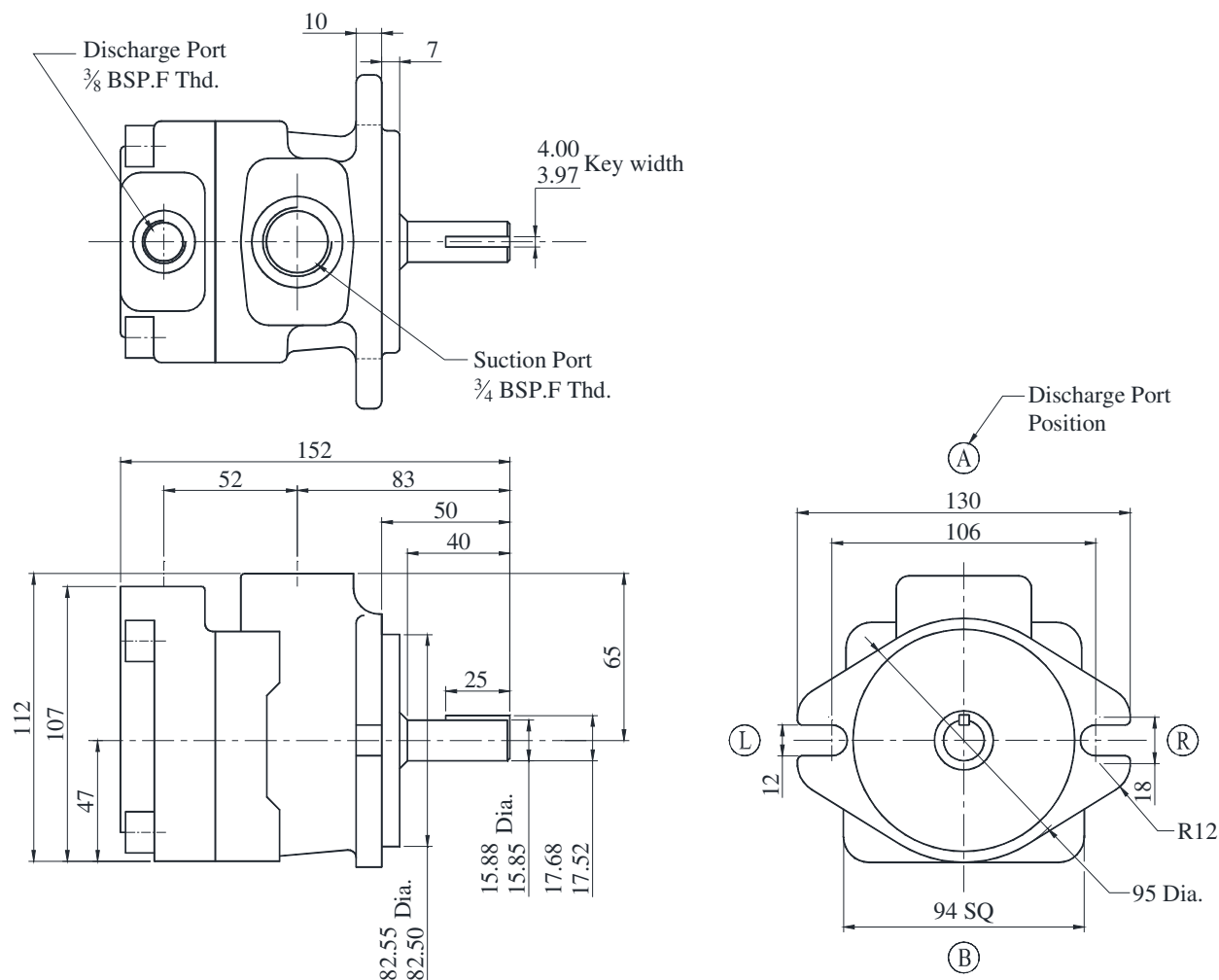
| CPVR1T       | -4                   | -R                       | -20        |
|--------------|----------------------|--------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation           | Design No. |
| CPVR1T       | 4                    | R:<br>Clockwise (Normal) | 20         |
|              | 6                    |                          |            |
|              | 8                    |                          |            |
|              | 10                   |                          |            |
|              | 12                   | L:<br>Counter-Clockwise  |            |
|              | 15                   |                          |            |
|              | 17                   |                          |            |
|              | 31                   |                          |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

**PVR1T-※-F-※※-2080**

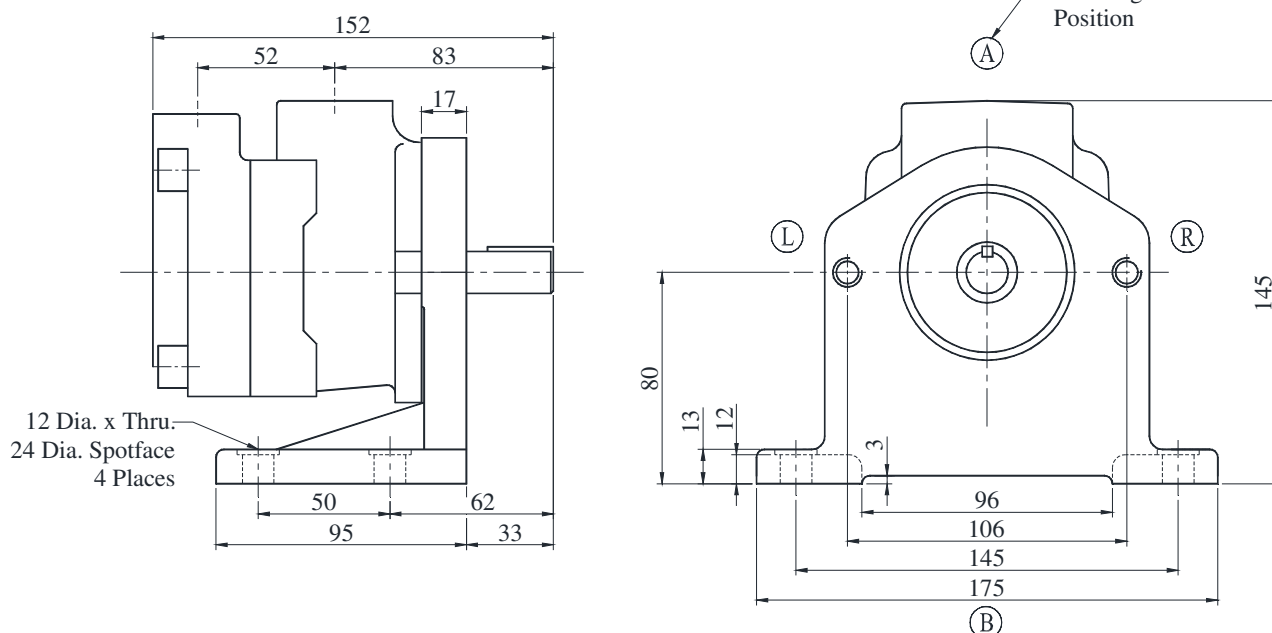
● **Flange Mounting**

**DIMENSIONS IN  
MILLIMETRES**



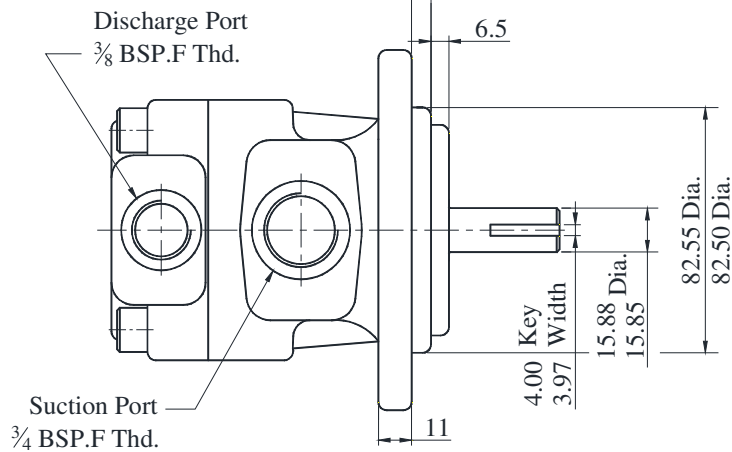
**PVR1T-※-L-※※-2080**

● **Foot Mounting**

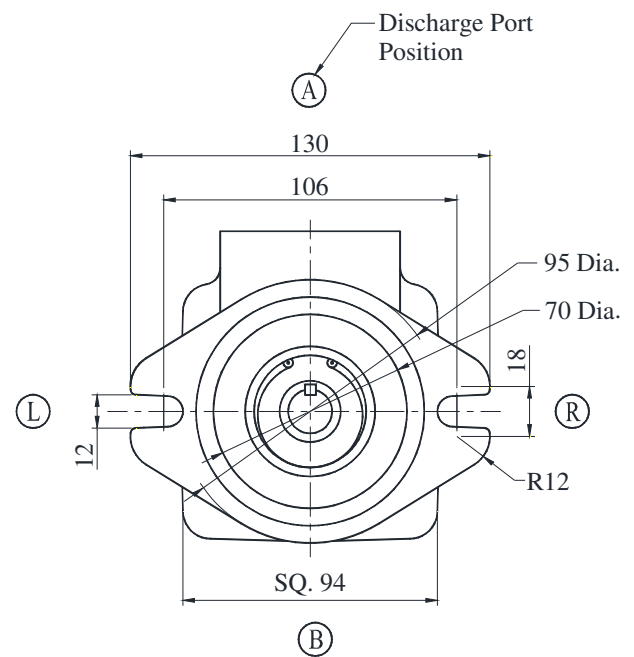
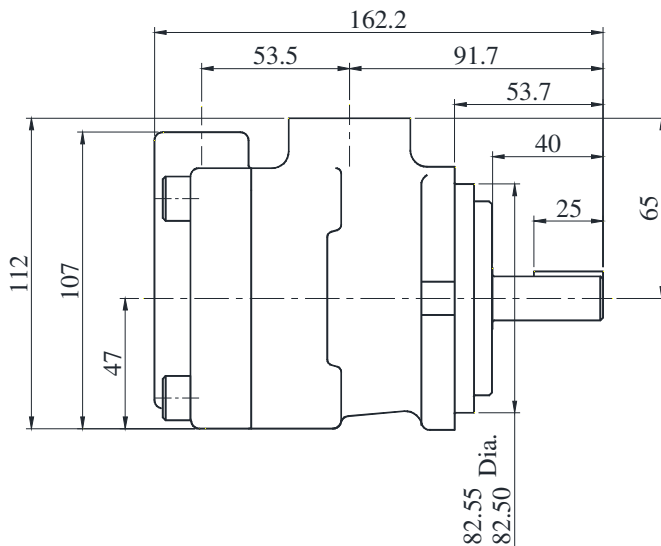


**PVR1T-31-F-※※-2080H10**

● **Flange Mounting**

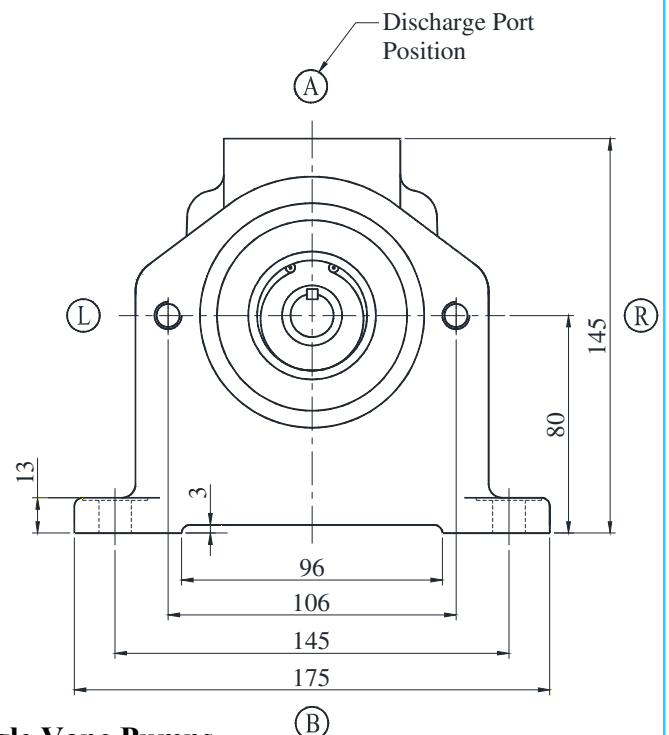
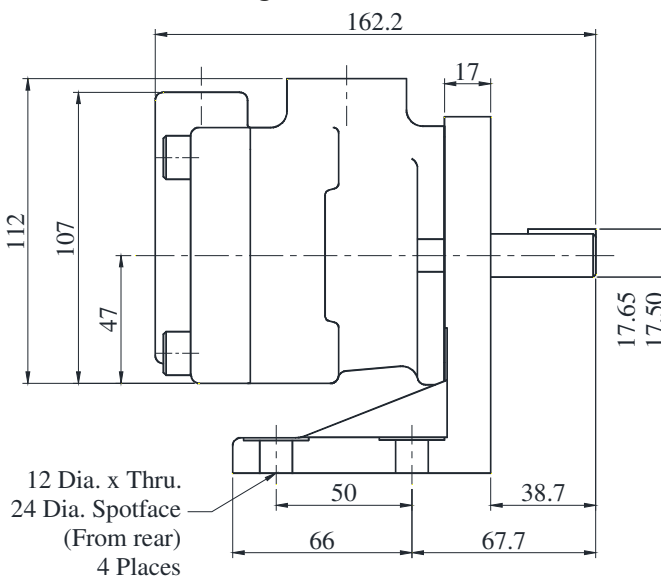


DIMENSIONS IN  
MILLIMETRES



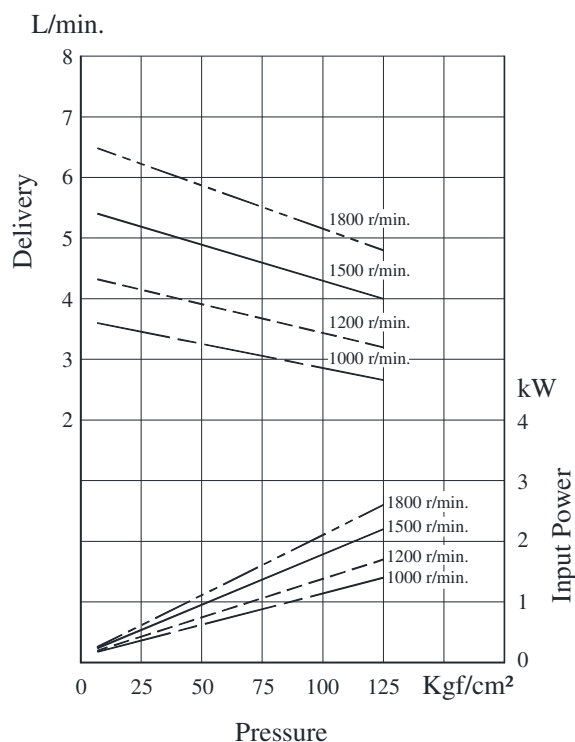
**PVR1T-31-L-※※-2080H10**

● **Foot Mounting**

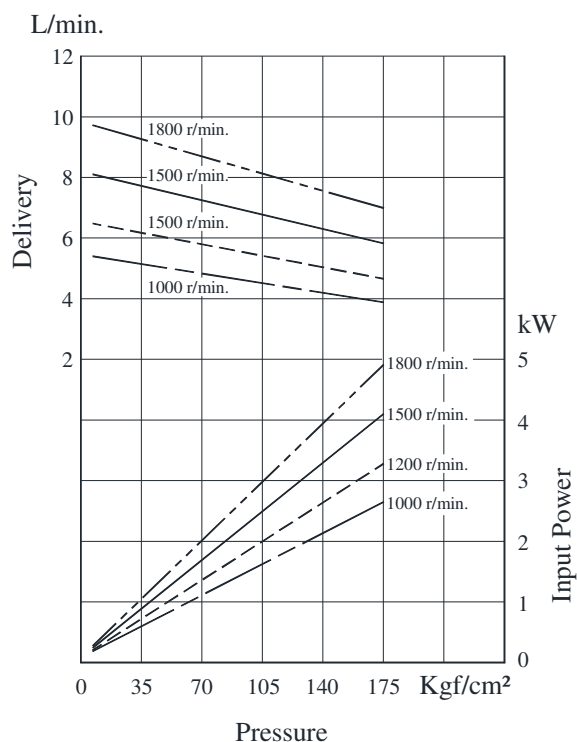


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

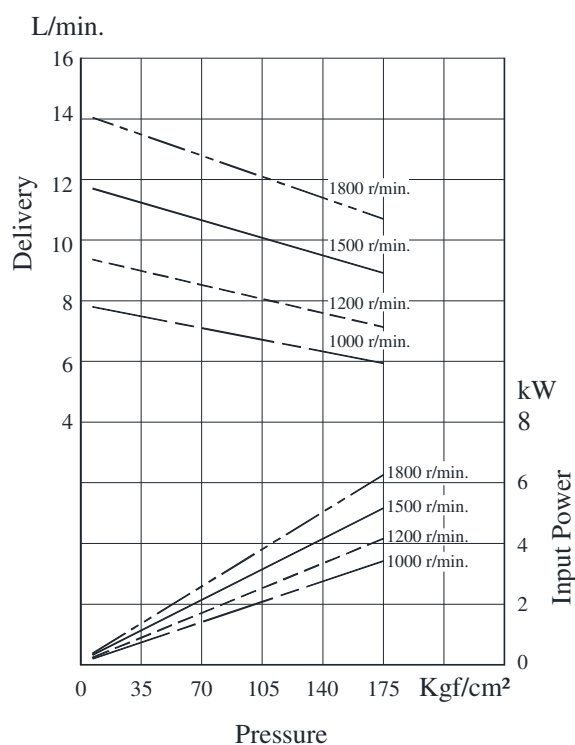
● **PVR1T - 4**



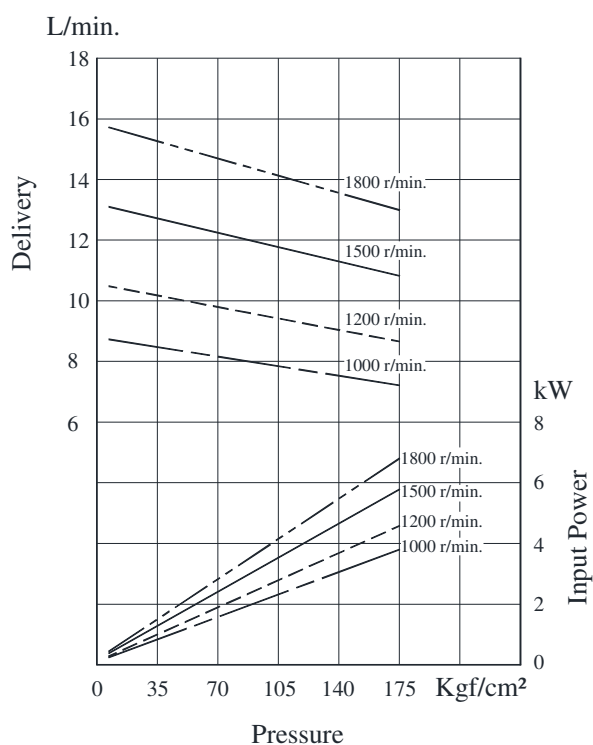
● **PVR1T - 6**



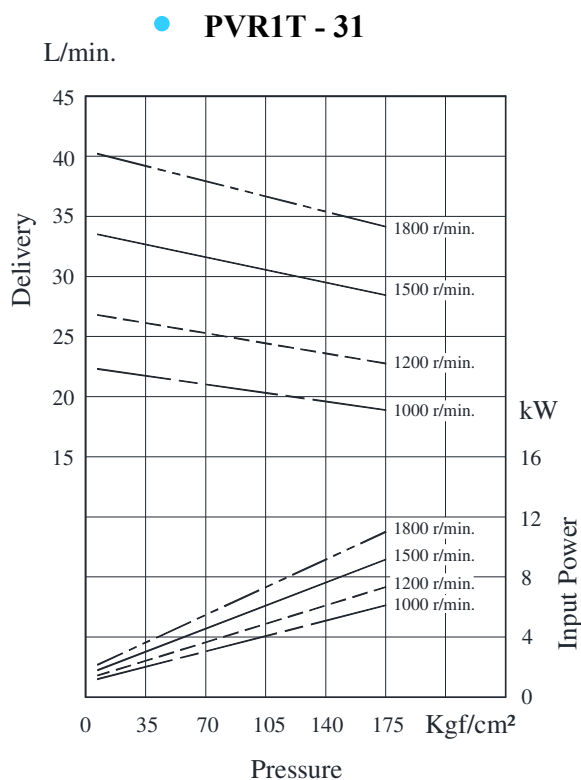
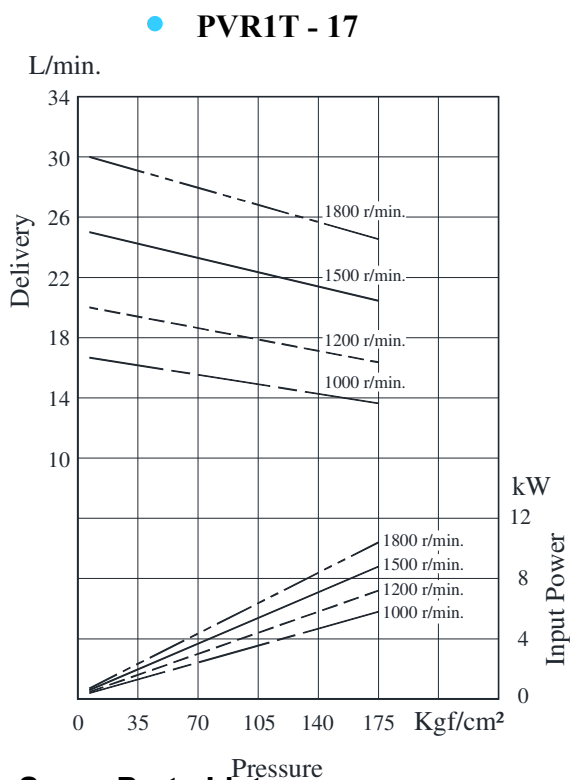
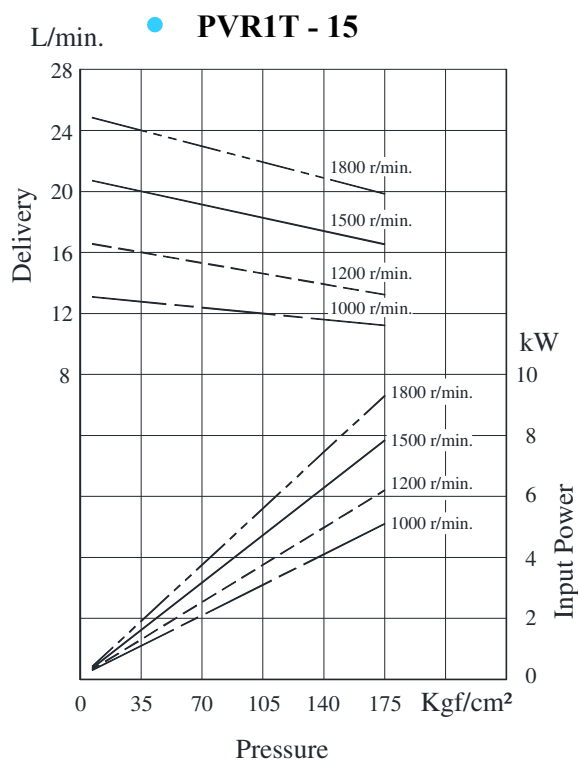
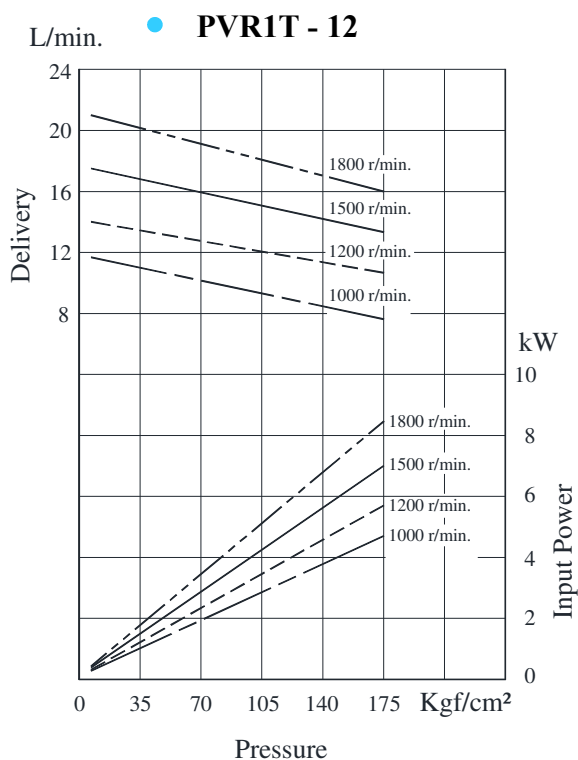
● **PVR1T - 8**



● **PVR1T - 10**



Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]



**Spare Parts List**

● **List of Seals**

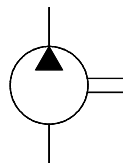
| Sl. No. | Name of Parts | Part No.  | Qty. |
|---------|---------------|-----------|------|
| 1.      | O-Ring        | SO-NB-G80 | 1    |
| 2.      | O-Ring        | SO-NB-G60 | 1    |
| 3.      | O-Ring        | SO-NB-G35 | 1    |
| 4.      | Oil seal      | ISD 20307 | 1    |

Note : When ordering the seals, please specify the seal kit number KS-PVR1T-2080.

## PVR50 Series Single Vane Pumps

These pumps are widely used as a source of hydraulic power. They combine stable Performance and robust construction with a wide range of delivery rates.

Graphic Symbol



## Specifications

| Model Number | Geometric Displacement cm <sup>3</sup> /rev. | Max. Opr. Pressure Kg/cm <sup>2</sup> | Output Flow and Input Power | Shaft Speed Range r/min. |      | Mass (Approx.) Kg. |               |
|--------------|----------------------------------------------|---------------------------------------|-----------------------------|--------------------------|------|--------------------|---------------|
|              |                                              |                                       |                             | Max.                     | Min. | Flange Mounting    | Foot Mounting |
| PVR50-13     | 10.5                                         | 175                                   | Ref. Page 126, 127 & 128    | 1800                     | 600  | 12                 | 14.7          |
| PVR50-20     | 16.0                                         |                                       |                             |                          |      |                    |               |
| PVR50-26     | 21.5                                         |                                       |                             |                          |      |                    |               |
| PVR50-30     | 24.0                                         |                                       |                             |                          |      |                    |               |
| PVR50-36     | 29.5                                         |                                       |                             |                          |      |                    |               |
| PVR50-39     | 31.5                                         |                                       |                             |                          |      |                    |               |
| PVR50-45     | 35.5                                         |                                       |                             |                          |      |                    |               |
| PVR50-51     | 41.0                                         |                                       |                             |                          |      |                    |               |
| PVR50-56     | 45.0                                         |                                       |                             |                          |      |                    |               |

## Model Number Designation

| F-                                                                  | PVR50         | -L                                                     | -F                                                          | -13                                                                                                               | -                                                                                         | -R                                                                    | A                                                                                                   | A                                                                                                   | -31       | 80              |
|---------------------------------------------------------------------|---------------|--------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------|-----------------|
| Special Seals                                                       | Series Number | Type of Mounting                                       | Type of Pipe Connection                                     | Nominal Displacement                                                                                              | Shaft Type                                                                                | Direction of Rotation                                                 | Discharge Port Position                                                                             | Suction Port Position                                                                               | Design *  | Design Standard |
| As Viewed From Shaft End                                            |               |                                                        |                                                             |                                                                                                                   |                                                                                           |                                                                       |                                                                                                     |                                                                                                     |           |                 |
| <b>F:</b><br>For Phosphate Ester Type Fluids (Omit if not required) | <b>PVR50</b>  | <b>L:</b><br>Foot Type<br><br><b>F:</b><br>Flange Type | <b>F:</b><br>Flange Connection<br><br><b>T:</b><br>Threaded | <b>13</b><br><b>20</b><br><b>26</b><br><b>30</b><br><b>36</b><br><b>39</b><br><b>45</b><br><b>51</b><br><b>56</b> | <b>None:</b><br>Std. Shaft.<br><br><b>1:</b><br>Special Shaft (For 51 & 56 Capacity Only) | <b>R:</b><br>Clockwise (Normal)<br><br><b>L:</b><br>Counter Clockwise | (See Drawing)<br><b>A:</b> Normal (Upward)<br><b>B:</b> Bottom<br><b>R:</b> Right<br><b>L:</b> Left | (See Drawing)<br><b>A:</b> Normal (Upward)<br><b>B:</b> Bottom<br><b>R:</b> Right<br><b>L:</b> Left | <b>31</b> | <b>80</b>       |

\* Design numbers subject to change from 30 to 39, but installation dimensions remain as shown.

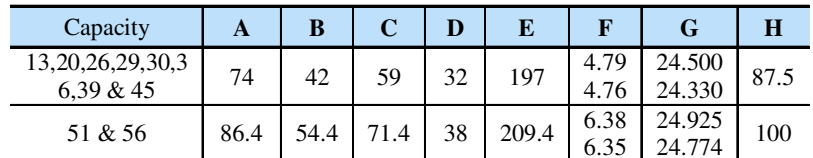
\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

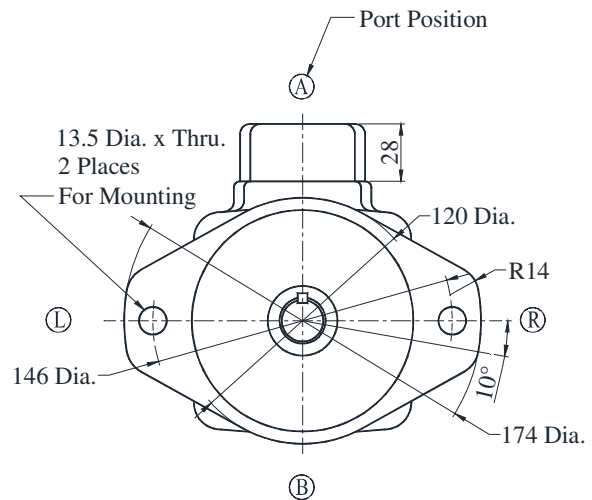
| CPVR50       | -13                  | -R                       | -31        |
|--------------|----------------------|--------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation           | Design No. |
| CPVR50       | 13                   | R:<br>Clockwise (Normal) | 31         |
|              | 20                   |                          |            |
|              | 26                   |                          |            |
|              | 30                   |                          |            |
|              | 36                   | L:<br>Counter-Clockwise  |            |
|              | 39                   |                          |            |
|              | 45                   |                          |            |
|              | 51                   |                          |            |
|              | 56                   |                          |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

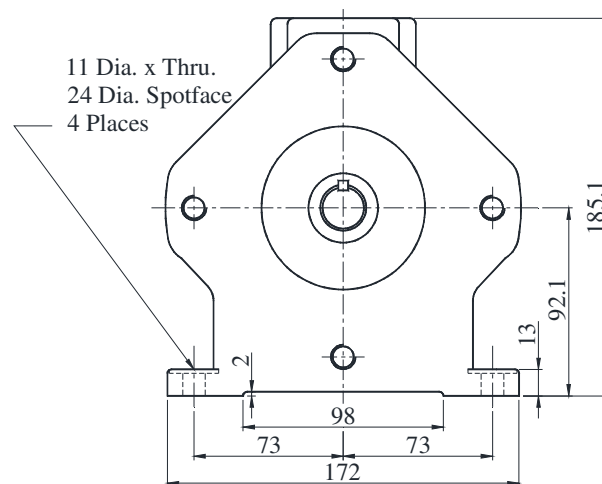
- **Flange Mounting**



| Model      | M   | N  |
|------------|-----|----|
| PVR50-✖-F- | 148 | 93 |
| PVR50-✖-T- | 136 | 81 |

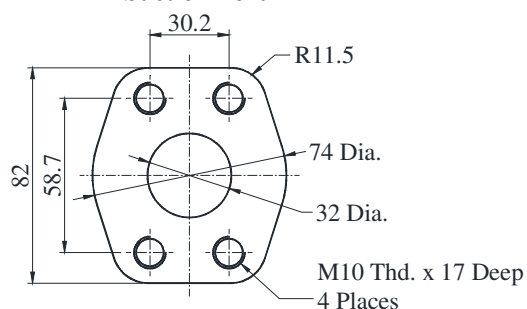


- **Foot Mounting**

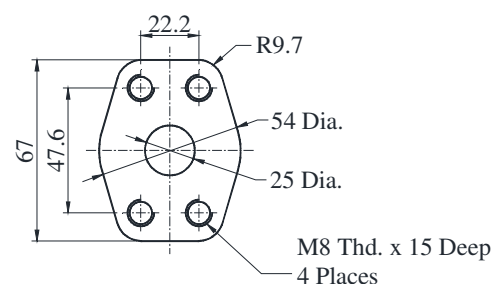


DIMENSIONS IN  
MILLIMETRES

### Suction Port



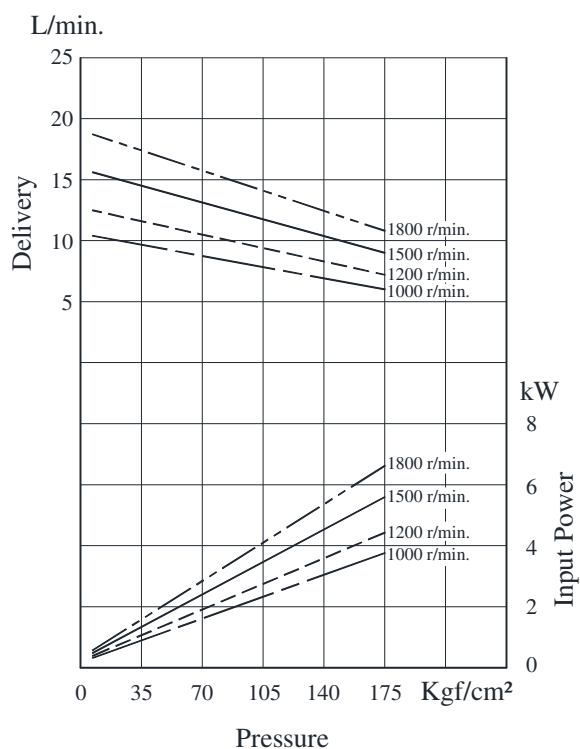
### Discharge Port



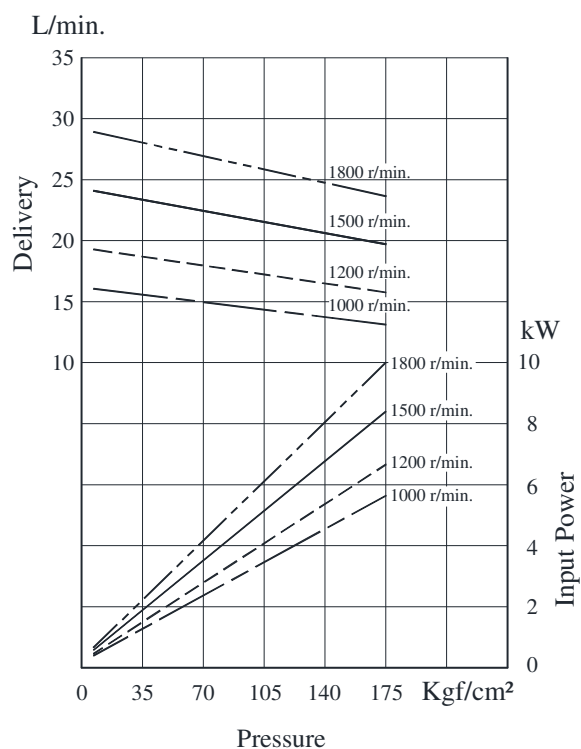
## “PVR” Series Single Vane Pumps

Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

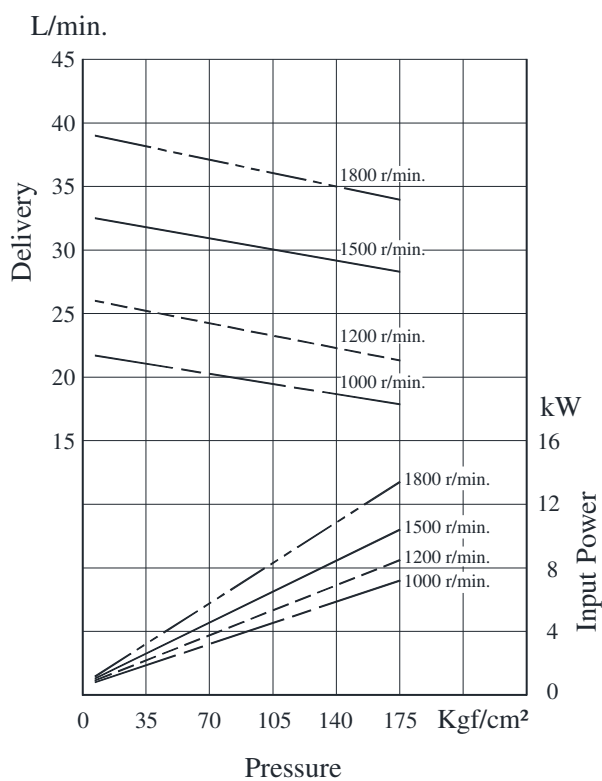
● **PVR50 - 13**



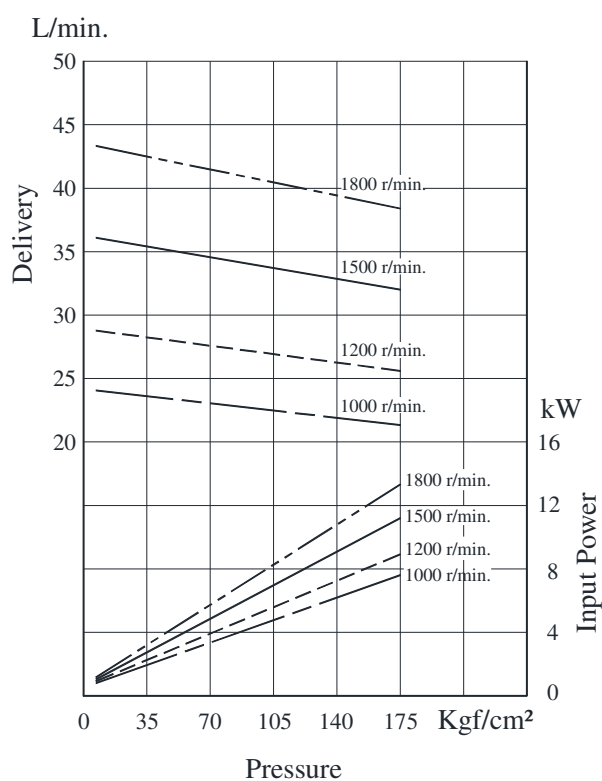
● **PVR50 - 20**



● **PVR50 - 26**



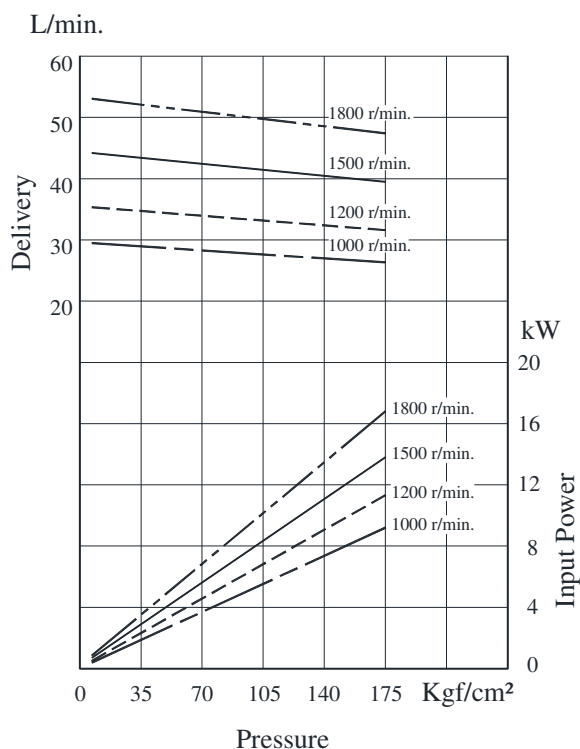
● **PVR50 - 30**



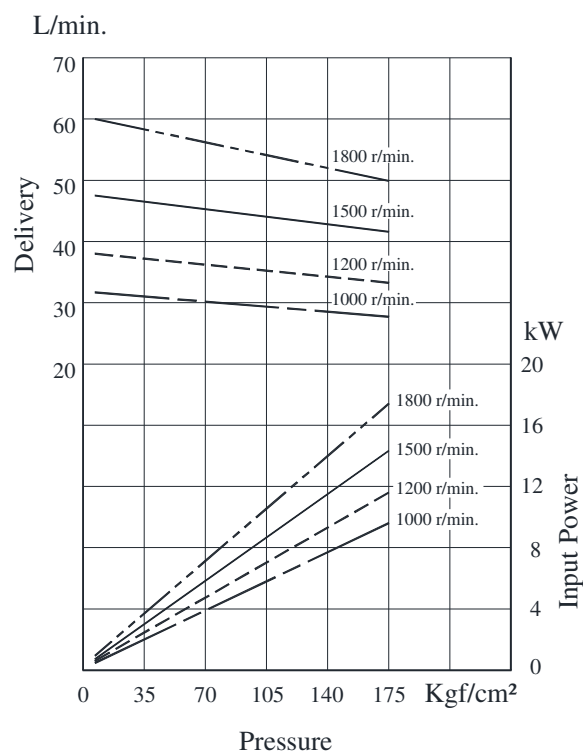


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

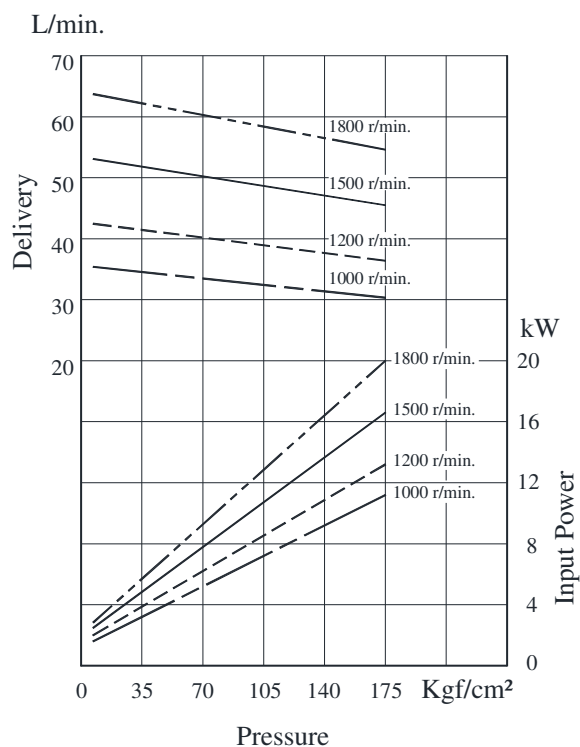
## ● PVR50 - 36



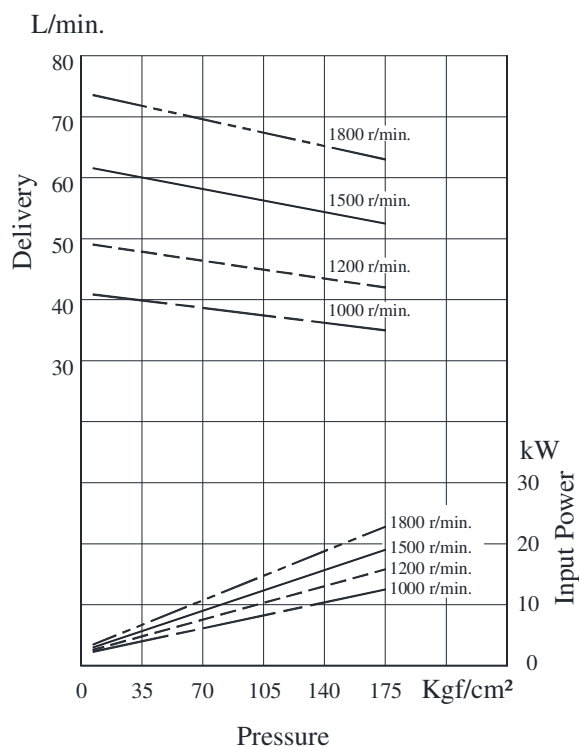
## ● PVR50 - 39



## ● PVR50 - 45



## ● PVR50 - 51

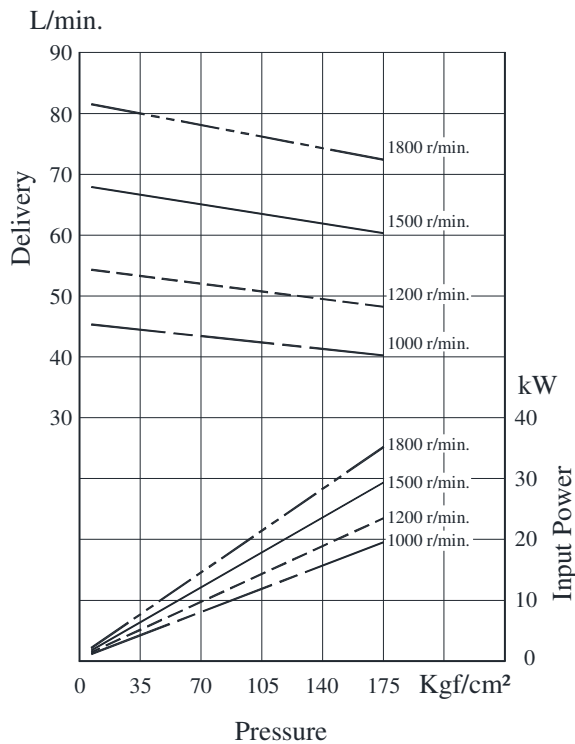


B

PVR Series  
Single Vane Pumps

# Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

## ● PVR50 - 56



## ■ Flanges

Note: Please refer page no. 747 for flange details.

## ■ Spare Parts List

### ● List of Seals

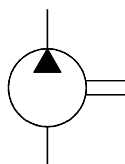
| Sl. No. | Name of Part | Part Number | Qty. |
|---------|--------------|-------------|------|
| 1       | O-Ring       | SO-NA-G80   | 1    |
| 2       | O-Ring       | SO-NA-P41   | 1    |
| 3       | O-Ring       | SO-NB-G85   | 1    |
| 4       | Backup-Ring  | SO-BB-G80   | 1    |
| 5       | Backup-Ring  | SO-BB-P41   | 1    |
| 6       | Oil Seal     | ISPD 25388  | 1    |

Note: When ordering the seals, please specify the seal kit number KS-PVR50-3180.

## PVR 150-Series Single Vane Pumps

These pumps are widely used as a source of hydraulic power. They combine stable performance and robust construction with a wide range of delivery rates.

Graphic Symbol



## Specifications

| Model Number | Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power | Shaft Speed Range<br>r/min. |      | Mass (Approx.)<br>Kg. |               |
|--------------|-------------------------------------------------|-------------------------------------------|-----------------------------|-----------------------------|------|-----------------------|---------------|
|              |                                                 |                                           |                             | Max.                        | Min. | Flange Mounting       | Foot Mounting |
| PVR150 – 60  | 47                                              | 175                                       | Refer Page 131 & 132        | 1800*                       | 600  | 29.3                  | 35.9          |
| PVR150 – 70  | 57                                              |                                           |                             |                             |      |                       |               |
| PVR150 – 90  | 75                                              |                                           |                             |                             |      |                       |               |
| PVR150 – 110 | 92                                              |                                           |                             |                             |      |                       |               |
| PVR150 – 140 | 115                                             |                                           |                             |                             |      |                       |               |
| PVR150 – 170 | 135                                             |                                           |                             |                             |      |                       |               |

\* For speeds above 1500 r/min., consult factory for information.

## Model Number Designation

| F-                                                                  | PVR150        | -L                                                 | -F                          | -60                                                                           | -R                                                              | A                                                                                                        | A                                                                                                        | 34        | 80              |
|---------------------------------------------------------------------|---------------|----------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------|-----------------|
| Special Seals                                                       | Series Number | Type of Mounting                                   | Type of pipe Connection     | Normal Displacement                                                           | Direction of Rotation                                           | Discharge Port Position                                                                                  | Suction Port Position                                                                                    | Design *  | Design Standard |
| As Viewed From Shaft End                                            |               |                                                    |                             |                                                                               |                                                                 |                                                                                                          |                                                                                                          |           |                 |
| <b>F:</b><br>For Phosphate Ester Type Fluids (Omit if not required) | <b>PVR150</b> | <b>L:</b><br>Foot Type<br><b>F:</b><br>Flange Type | <b>F:</b> Flange Connection | <b>60</b><br><b>70</b><br><b>90</b><br><b>110</b><br><b>140</b><br><b>170</b> | <b>R:</b> Clockwise (Normal)<br><br><b>L:</b> Counter Clockwise | (See Drawing)<br><b>A :</b> Normal (Upwards)<br><b>B :</b> Bottom<br><b>R :</b> Right<br><b>L :</b> Left | (See Drawing)<br><b>A :</b> Normal (Upwards)<br><b>B :</b> Bottom<br><b>R :</b> Right<br><b>L :</b> Left | <b>34</b> | <b>80</b>       |

\* Design numbers subject to change from 30 to 39, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

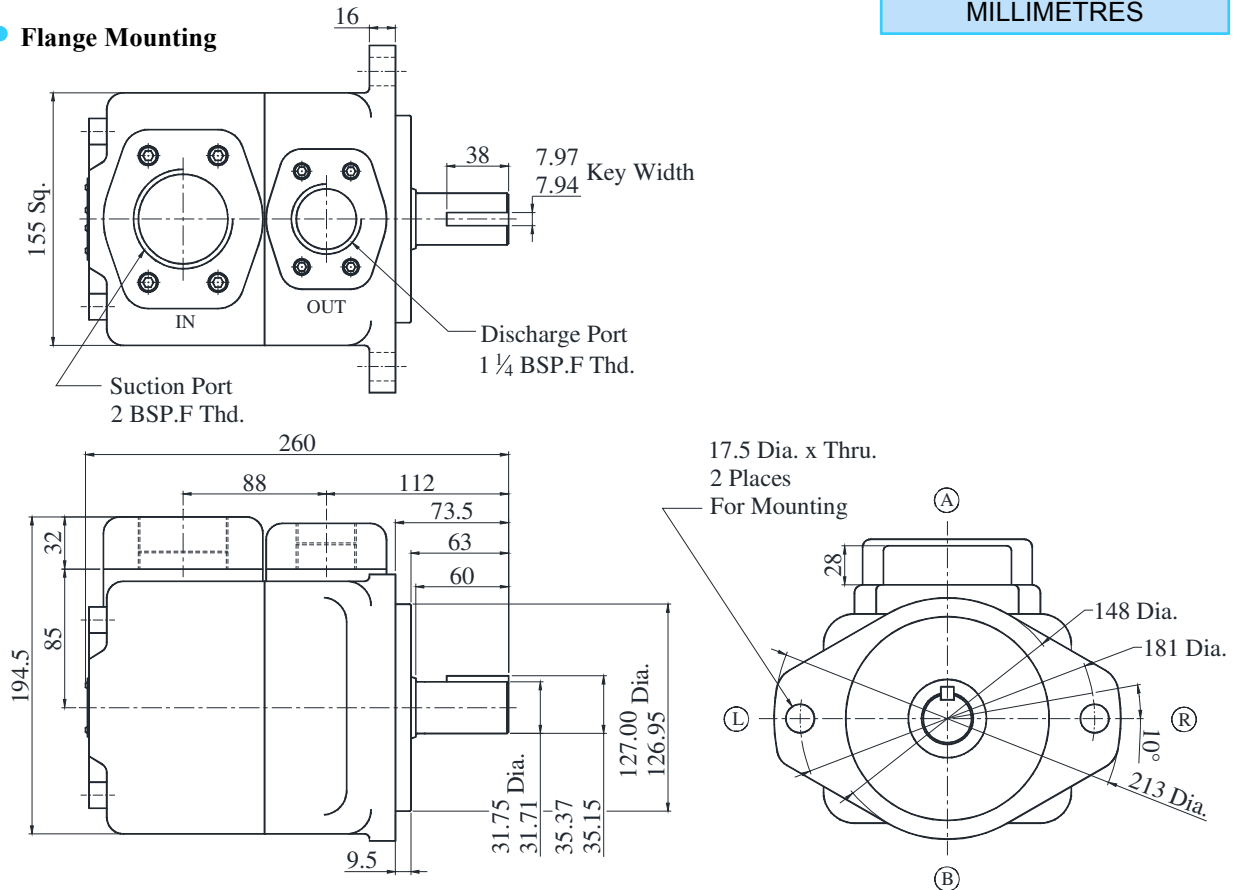
| CPVR150        | -60                                                                           | -R                                                                    | -33        |
|----------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------|
| Model Number   | Nominal Displacement                                                          | Shaft Rotation                                                        | Design No. |
| <b>CPVR150</b> | <b>60</b><br><b>70</b><br><b>90</b><br><b>110</b><br><b>140</b><br><b>170</b> | <b>R:</b><br>Clockwise (Normal)<br><br><b>L:</b><br>Counter-Clockwise | <b>33</b>  |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

**PVR150-F-F-※-※※※-3480**

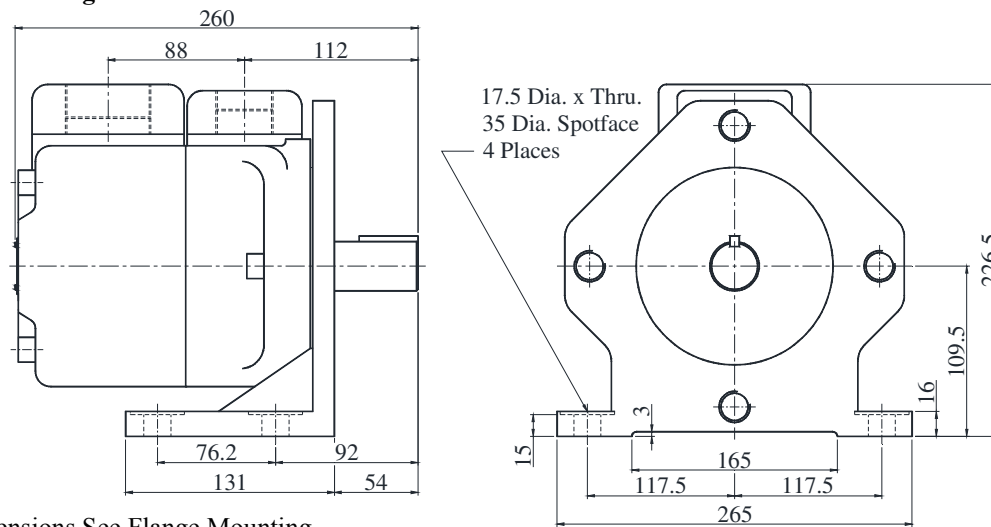
● **Flange Mounting**

**DIMENSIONS IN  
MILLIMETRES**



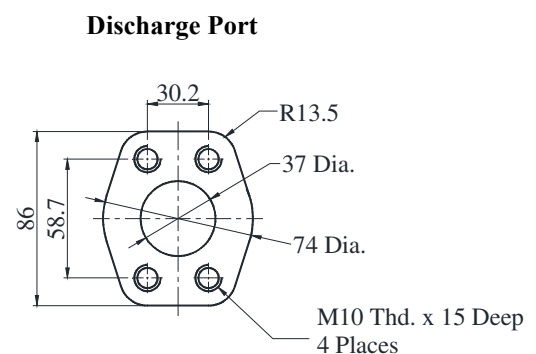
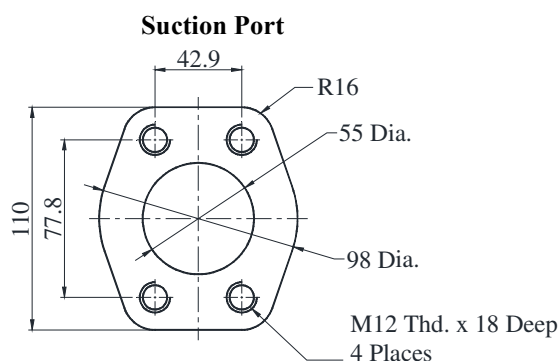
**PVR150-L-F-※-※※※-3480**

● **Foot Mounting**



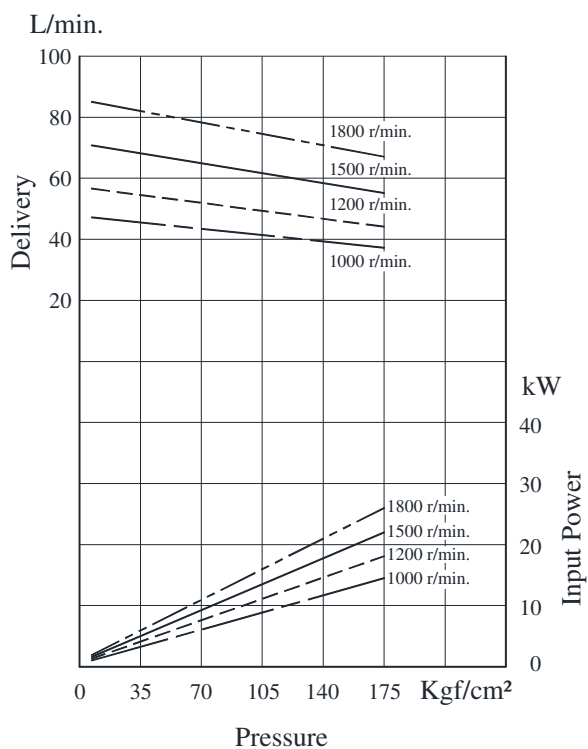
For other Dimensions See Flange Mounting

**For Reference : Dimensions of Pipe Flange Mounting Surfaces**

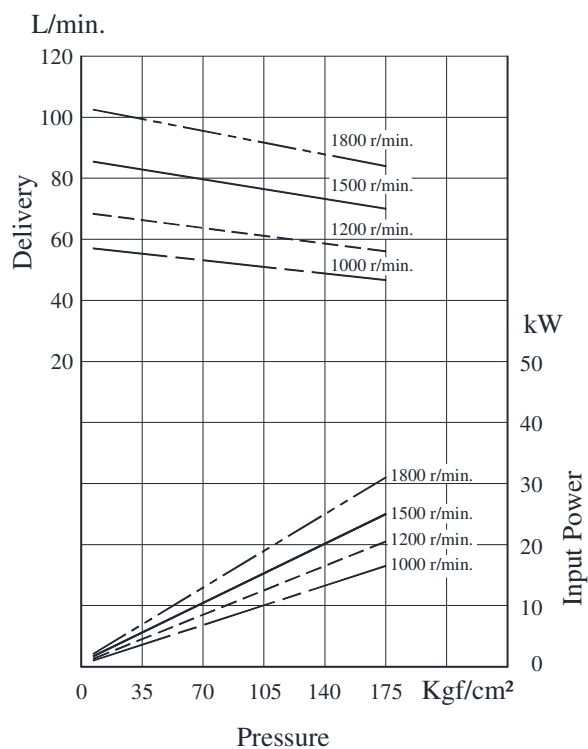


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

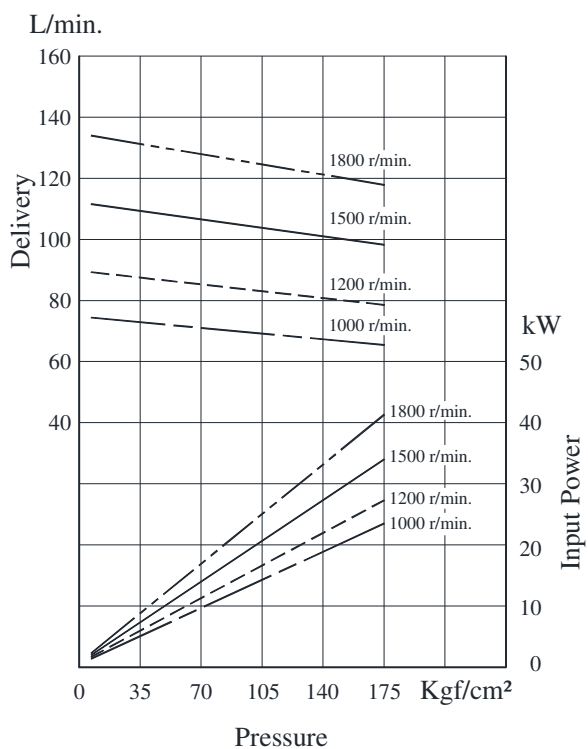
● PVR 150 - 60



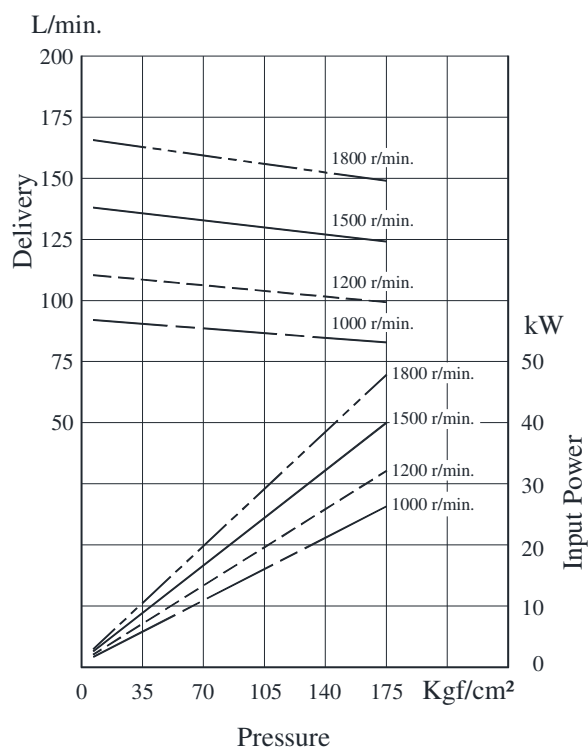
● PVR 150 - 70



● PVR 150 - 90



● PVR 150 - 110

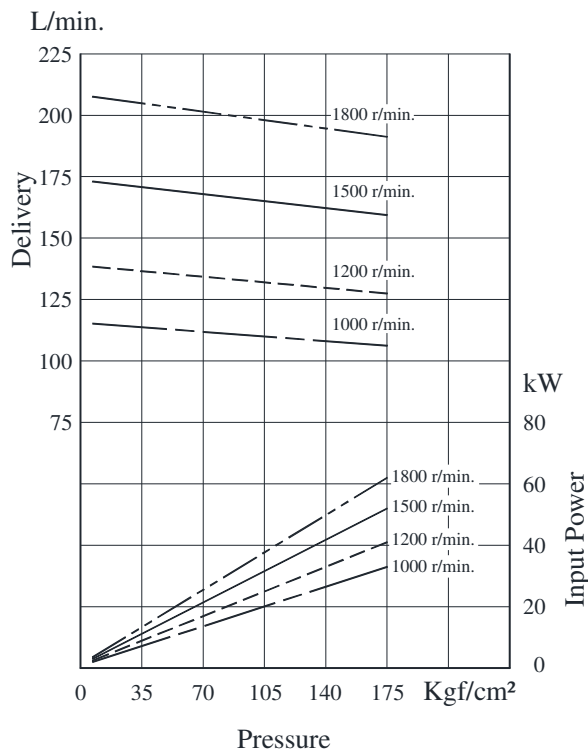


B

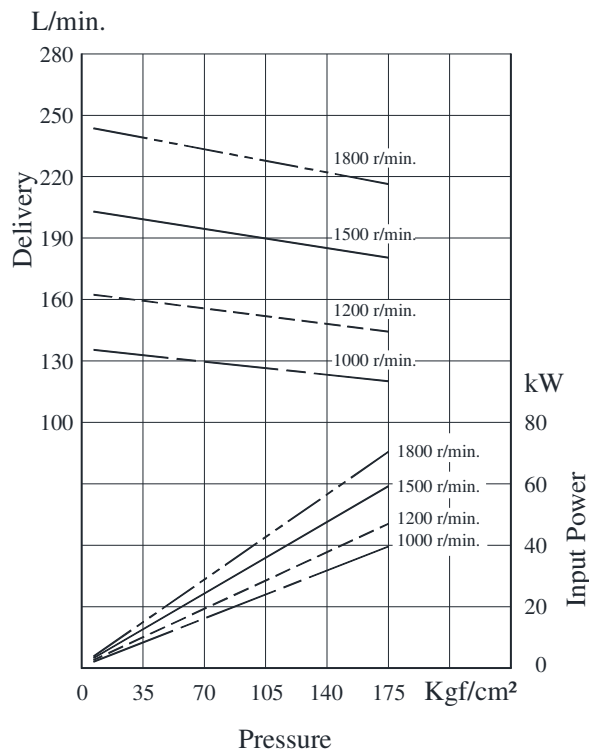
PVR Series  
Single Vane Pumps

# Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

## • PVR 150 - 140



## • PVR 150 - 170



## Spare Parts List

### • List of Seals

| Sl. No. | Name of Part | Part number | Qty. |
|---------|--------------|-------------|------|
| 1       | O-Ring       | SO-NA-G120Y | 1    |
| 2       | O-Ring       | ARP568231   | 1    |
| 3       | O-Ring       | SO-NB-G125  | 1    |
| 4       | Backup-Ring  | JISW1516-G9 | 1    |
| 5       | Backup-Ring  | SO-BB-G120  | 1    |
| 6       | Oil Seal     | TC38558-7   | 1    |

Note: When ordering the seals, please specify the seal kit number KS-PVR150-3480.

## Cartridge Kit Model Number

| Pump Model Numbers      | Cartridge Kit Number # |
|-------------------------|------------------------|
| PVR1T-6-※-R※-2080       | CPVR1T-06-R-20         |
| PVR1T-10-※-R※-2080      | CPVR1T-10-R-20         |
| PVR1T-15-※-R※-2080      | CPVR1T-15-R-20         |
| PVR50-※-※-20-R※※-3180   | CPVR50-20-R-31         |
| PVR50-※-※-36-R※※-3180   | CPVR50-36-R-31         |
| PVR50-※-※-45-R※※-3180   | CPVR50-45-R-31         |
| PVR150-※-F-70-R※※-3480  | CPVR150-70-R-33        |
| PVR150-※-F-110-R※※-3480 | CPVR150-110-R-33       |

1. For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

# The above table does not include all combinations of cartridges available.

Only a few representative samples are shown.

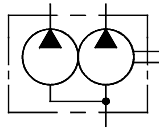
## Flanges

Note: Please refer page no. 747 for flange details.

## PVR 1050 Series Double Vane Pumps

These double pumps consist of one PVR1T and one PVR50 series single pumps combined in tandem within a single housing and driven by a common shaft. Fluid delivered from the two separate ports can be either supplied to separate or common circuits.

Graphic symbol



## Specifications

| Model Number | Small Volume Pump<br>Geometric Displacement<br>cm <sup>3</sup> /rev. | Large Volume Pump<br>Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power         | Shaft Speed Range r/min. |      | Mass (Approx) Kg. |               |
|--------------|----------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|-------------------------------------|--------------------------|------|-------------------|---------------|
|              |                                                                      |                                                                      |                                           |                                     | Max.                     | Min. | Flange Mounting   | Foot Mounting |
| PVR1050      | Refer Specification in page No. 119                                  | Refer Specification in Page No. 124                                  | 175                                       | Refer Page 122, 123, 126, 127 & 128 | 1800                     | 600  | 17.7              | 20.5          |

## Model Number Designation

| F-                                                                      | PVR1050        | -L                                                             | -F                             | -4                                                        | -39                                                              | -R                                                                | E                                    | A                                    | A                     | -11        | 80          |
|-------------------------------------------------------------------------|----------------|----------------------------------------------------------------|--------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|------------|-------------|
| Special Seals                                                           | Series Number  | Mounting                                                       | Type of Pipe Connection        | Small Volume Pump Nominal Displacement                    | Large Volume Pump Nominal Displacement                           | Direction of Rotation                                             | Small Volume Pump Discharge Position | Large Volume Pump Discharge Position | Suction Port Position | Design No. | Design Std. |
|                                                                         |                |                                                                |                                |                                                           |                                                                  | As viewed from shaft end                                          |                                      |                                      |                       |            |             |
| <b>F:</b><br>For Phosphate Ester Type Fluids.<br>(omit if not required) | <b>PVR1050</b> | <b>L:</b><br>Foot Mounting<br><br><b>F:</b><br>Flange Mounting | <b>F:</b><br>Flange Connection | <b>4, 6</b><br><b>8, 10</b><br><b>12, 15</b><br><b>17</b> | <b>13, 20</b><br><b>26, 30</b><br><b>36, 39</b><br><b>45, 51</b> | <b>R:</b><br>Clockwise (Normal)<br><br><b>L:</b><br>Anticlockwise |                                      |                                      |                       | <b>11</b>  | <b>80</b>   |

\* Design numbers subject to change from 10 to 19, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

### Large Volume Pump

| CPVR1050     | -13                  | -R                          | -10        |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVR1050     | 13                   | R:<br>Clockwise<br>(Normal) | 10         |
|              | 20                   |                             |            |
|              | 26                   |                             |            |
|              | 30                   |                             |            |
|              | 36                   | L:<br>Counter-<br>Clockwise |            |
|              | 39                   |                             |            |
|              | 45                   |                             |            |
|              | 51                   |                             |            |

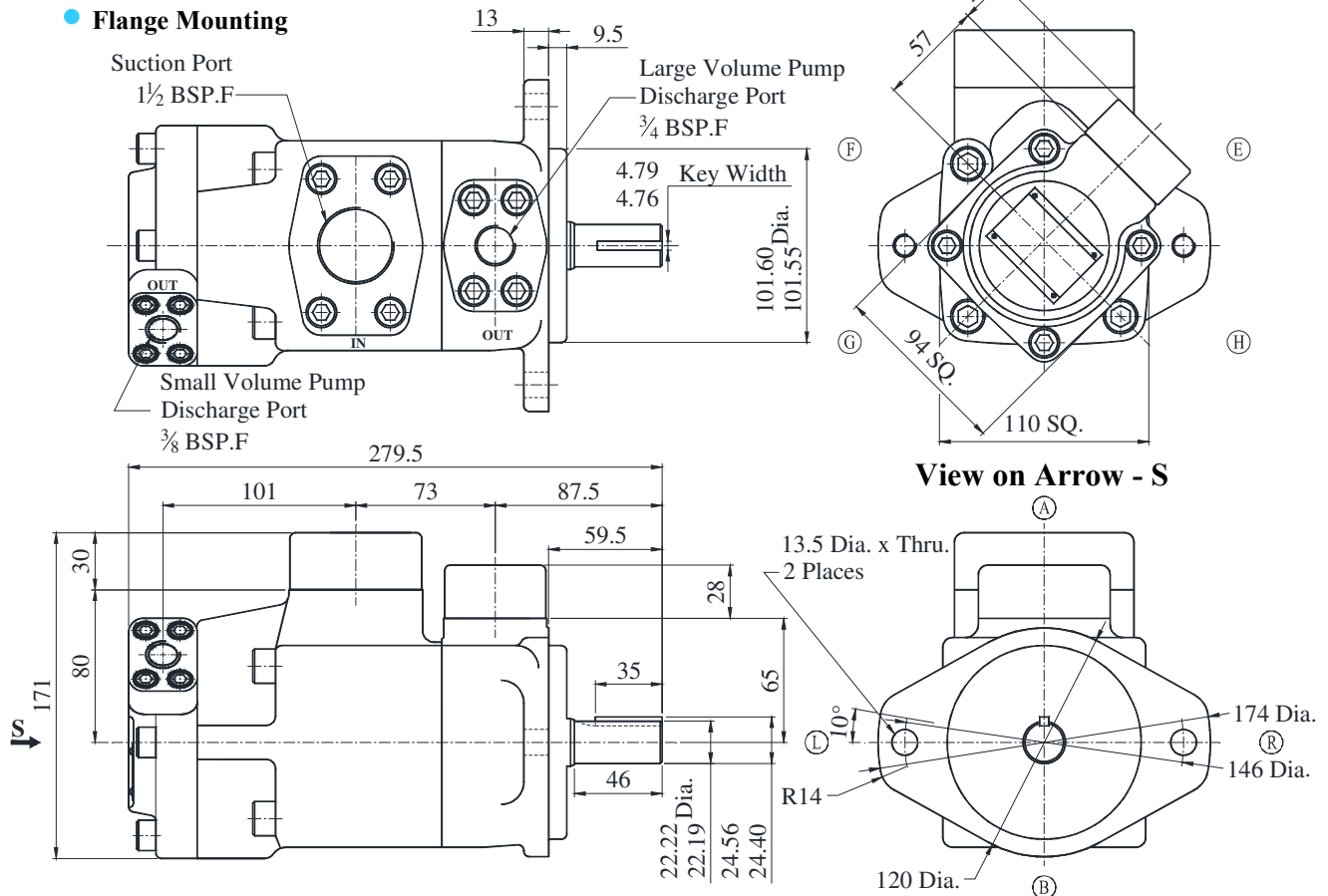
### Small Volume Pump

| CPVR1050     | -4                   | -R                          | -20        |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVR1050     | 4                    | R:<br>Clockwise<br>(Normal) | 20         |
|              | 6                    |                             |            |
|              | 8                    |                             |            |
|              | 10                   | L:<br>Counter-<br>Clockwise |            |
|              | 12                   |                             |            |
|              | 15                   |                             |            |
|              | 17                   |                             |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

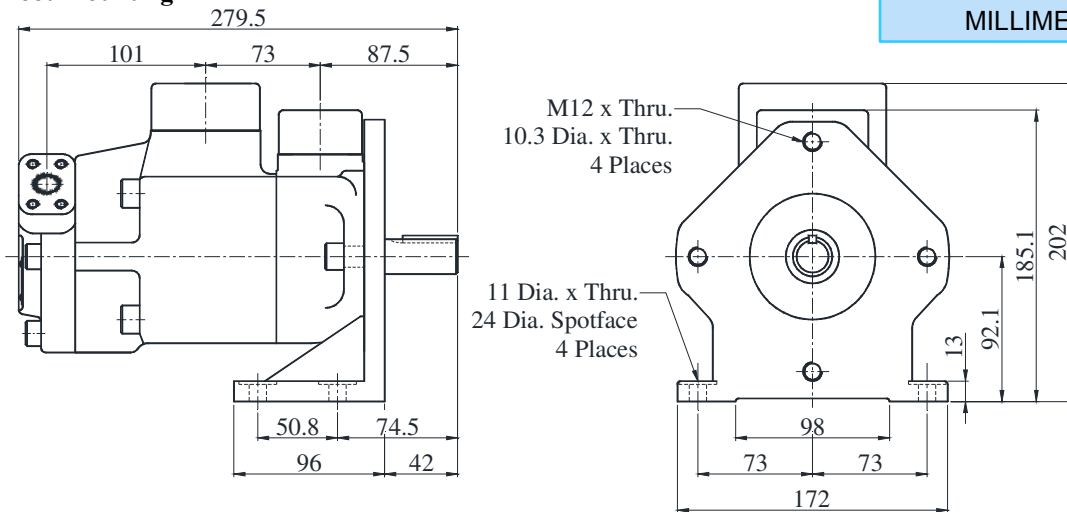
**PVR1050-F-F-※-※-※※※※-1180**

● **Flange Mounting**



**PVR1050-L-F-※-※-※※※※-1180**

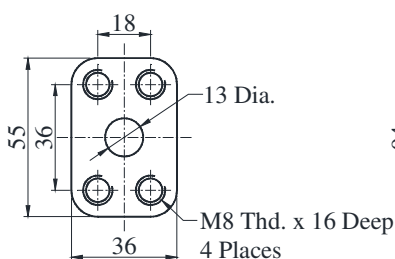
● **Foot Mounting**



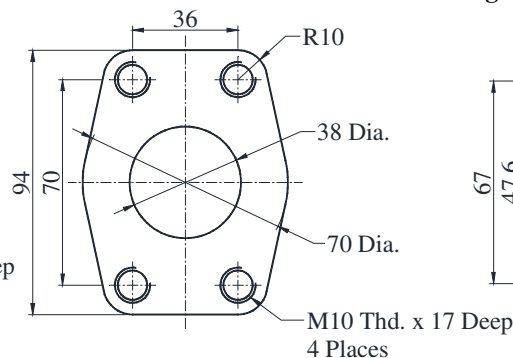
DIMENSIONS IN MILLIMETRES

**For Reference: Dimensions of Pipe Flange Mounting Surfaces**

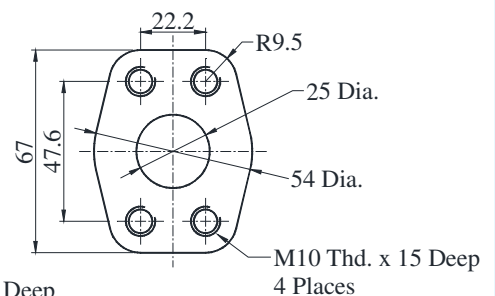
**Small Volume Pump Discharge Port**



**Suction Port**



**Large Volume Pump Discharge Port**



**“PVR” Series Double Vane Pumps**



## ■ Flanges

Note: Please refer page no. 747 for flange details.

## ■ Spare Parts List

### ● List of Seals

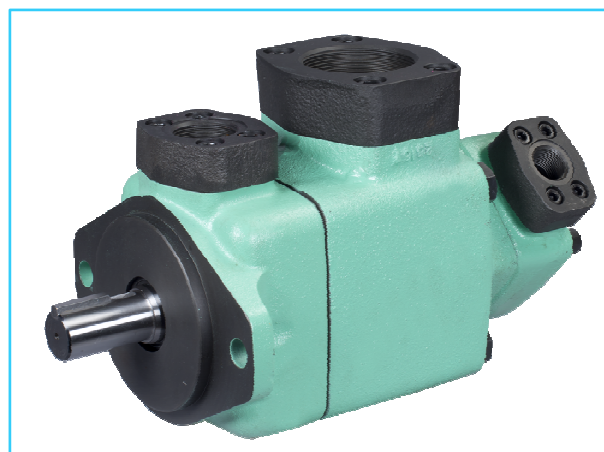
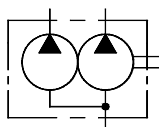
| Sl. No. | Name of Part | Part number | Qty. |
|---------|--------------|-------------|------|
| 1       | O-Ring       | SO-NB-G35   | 1    |
| 2       | O-Ring       | SO-NA-P41   | 1    |
| 3       | O-Ring       | SO-NB-G60   | 1    |
| 4       | O-Ring       | SO-NA-G80   | 1    |
| 5       | O-Ring       | SO-NB-G80   | 1    |
| 6       | O-Ring       | SO-NB-G85   | 1    |
| 7       | Backup-Ring  | SO-BB-P41   | 1    |
| 8       | Backup-Ring  | SO-BB-G80   | 1    |
| 9       | Oil Seal     | ISPD 25388  | 1    |

Note: When ordering the seals, please specify the seal kit number KS-PVR1050-1180.

## PVR 50150 Series Double Vane Pumps

These double pumps consist of one PVR 50 and one PVR 150 series single pumps combined in tandem within a single housing and driven by a common shaft. Fluid delivered from the two separate ports can be either supplied to separate or common circuits. These pumps are used in mobile application.

Graphic symbol



## Specifications

| Model Number | Small Volume Pump<br>Geometric Displacement<br>cm <sup>3</sup> /rev. | Large Volume Pump<br>Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power         | Shaft Speed Range r/min |      | Mass (Approx) Kg. |               |
|--------------|----------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|-------------------------------------|-------------------------|------|-------------------|---------------|
|              |                                                                      |                                                                      |                                           |                                     | Max.                    | Min. | Flange Mounting   | Foot Mounting |
| PVR50150     | Refer Specification in Page No. 124                                  | Refer Specification in Page No. 129                                  | 175                                       | Refer Page 126, 127, 128, 131 & 132 | 1800*                   | 600  | 42.5              | 49            |

\* For speeds above 1500 r/min. consult factory for information.

## Model Number Designation

| F-                                                                      | PVR50150        | -L                                                             | -F                             | -13                                                                            | -60                                                | -R                                                                | E                                    | A                                    | A                     | -15        | 80         |
|-------------------------------------------------------------------------|-----------------|----------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|------------|------------|
| Special Seals                                                           | Series Number   | Mounting                                                       | Type of Pipe Connection        | Small Volume Pump Nominal Displacement                                         | Large Volume Pump Nominal Displacement             | Direction of Rotation                                             | Small Volume Pump Discharge Position | Large Volume Pump Discharge Position | Suction Port Position | Design No. | Design Std |
| As viewed from shaft end                                                |                 |                                                                |                                |                                                                                |                                                    |                                                                   |                                      |                                      |                       |            |            |
| <b>F:</b><br>For Phosphate Ester Type Fluids.<br>(omit if not required) | <b>PVR50150</b> | <b>L:</b><br>Foot Mounting<br><br><b>F:</b><br>Flange Mounting | <b>F:</b><br>Flange Connection | <b>13, 20</b><br><b>26, 30</b><br><b>36, 39</b><br><b>45, 51,</b><br><b>56</b> | <b>60, 70</b><br><b>90, 110</b><br><b>140, 170</b> | <b>R:</b><br>Clockwise (Normal)<br><br><b>L:</b><br>Anticlockwise |                                      |                                      |                       | <b>15</b>  | <b>80</b>  |

\* Design numbers subject to change from 10 to 19, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

### Large Volume Pump

| CPVR150      | -60                  | -R                          | -33        |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVR150      | 60                   | R:<br>Clockwise<br>(Normal) | 33         |
|              | 70                   |                             |            |
|              | 90                   |                             |            |
|              | 110                  | L:<br>Counter-<br>Clockwise |            |
|              | 140                  |                             |            |
|              | 170                  |                             |            |

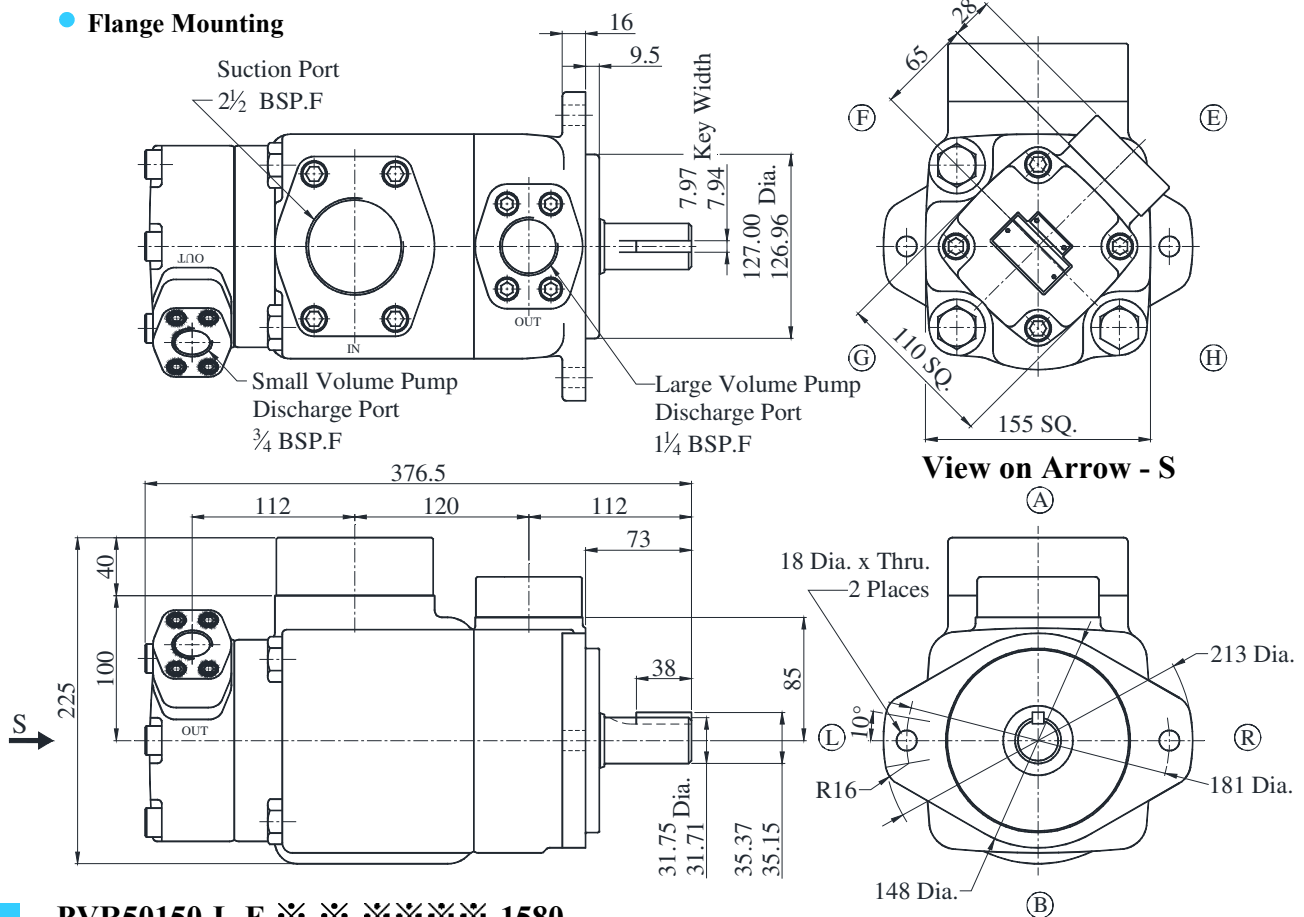
### Small Volume Pump

| CPVR50150    | -13                  | -R                       | -14        |
|--------------|----------------------|--------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation           | Design No. |
| CPVR50150    | 13                   | R:<br>Clockwise (Normal) | 14         |
|              | 20                   |                          |            |
|              | 26                   |                          |            |
|              | 30                   |                          |            |
|              | 36                   | L:<br>Counter-Clockwise  |            |
|              | 39                   |                          |            |
|              | 45                   |                          |            |
|              | 51                   |                          |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

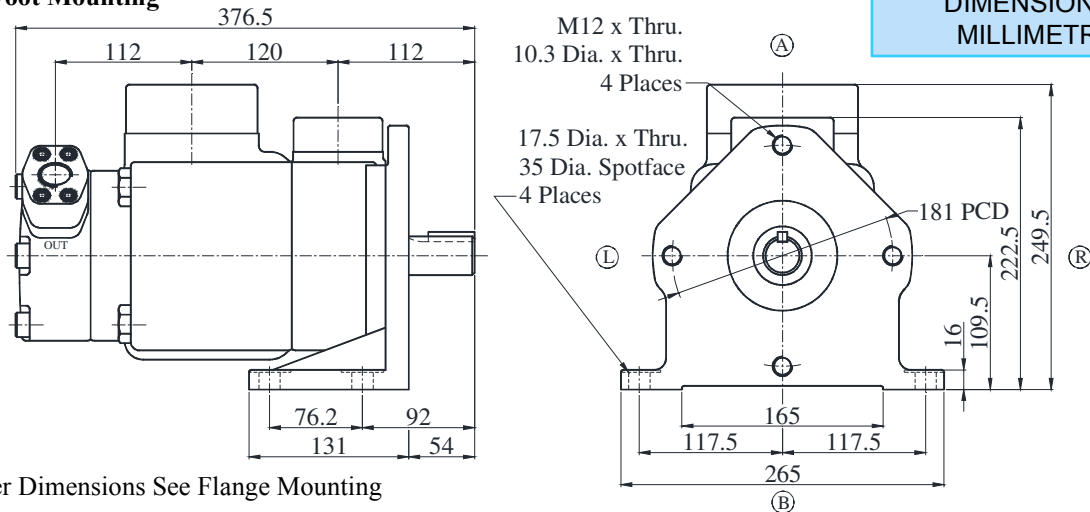
**PVR50150-F-F-※-※-※※※※-1580**

● **Flange Mounting**



**PVR50150-L-F-※-※-※※※※-1580**

● **Foot Mounting**

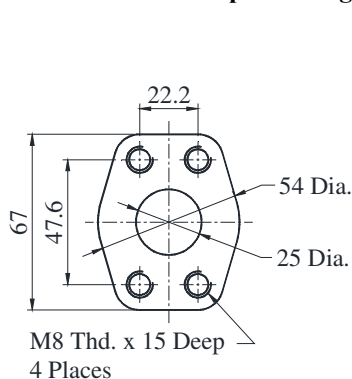


**DIMENSIONS IN MILLIMETRES**

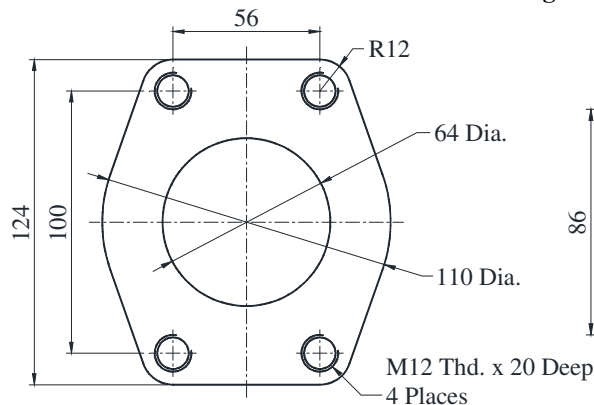
For Other Dimensions See Flange Mounting

**For Reference: Dimensions of Pipe Flange Mounting Surfaces**

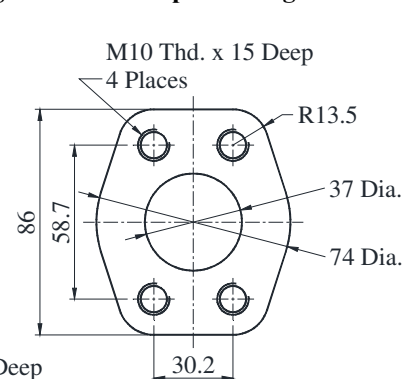
**Small Volume Pump Discharge Port**



**Suction Port**



**Large Volume Pump Discharge Port**



**“PVR” Series Double Vane Pumps**

**B**

PVR Series  
Double Vane Pumps

## Cartridge Kit Model Number

| Pump Model Numbers           | Cartridge Kit Number # |                   |
|------------------------------|------------------------|-------------------|
|                              | Small Volume Pump      | Large Volume Pump |
| PVR1050-※-F-10-※-R※※※※-1180  | CPVR1050-10-R-20       | CPVR1050-※-R-10   |
| PVR1050-※-F-12-※-R※※※※-1180  | CPVR1050-12-R-20       |                   |
| PVR1050-※-F-15-※-R※※※※-1180  | CPVR1050-15-R-20       |                   |
| PVR1050-※-F-17-※-R※※※※-1180  | CPVR1050-17-R-20       |                   |
| PVR50150-※-F-20-※-R※※※※-1580 | CPVR50150-20-L-14      | CPVR150-※-R-33    |
| PVR50150-※-F-30-※-R※※※※-1580 | CPVR50150-30-L-14      |                   |
| PVR50150-※-F-36-※-R※※※※-1580 | CPVR50150-36-L-14      |                   |
| PVR50150-※-F-39-※-R※※※※-1580 | CPVR50150-39-L-14      |                   |
| PVR50150-※-F-45-※-R※※※※-1580 | CPVR50150-45-L-14      |                   |
| PVR50150-※-F-51-※-R※※※※-1580 | CPVR50150-51-L-14      |                   |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

# The above table does not include all combinations of cartridges available.

Only a few representative samples are shown.

## Flanges

Note: Please refer page no. 747 for flange details.

## Spare Parts List

### List of Seals

| Sl. No. | Name of Part | Part number   | Qty. |
|---------|--------------|---------------|------|
| 1       | O-Ring       | ARP 568-231   | 1    |
| 2       | O-Ring       | SO-NA-P41     | 1    |
| 3       | O-Ring       | SO-NA-G80     | 1    |
| 4       | O-Ring       | SO-NB-G85     | 1    |
| 5       | O-Ring       | SO-NA-G120Y   | 1    |
| 6       | O-Ring       | SO-NB-G125    | 1    |
| 7       | Backup-Ring  | SO-BB-G120    | 1    |
| 8       | Backup-Ring  | JIS W 1516-G9 | 1    |
| 9       | Backup-Ring  | SO-BB-G80     | 1    |
| 10      | Backup-Ring  | SO-BB-P41     | 1    |
| 11      | Oil Seal     | TC 38558-7    | 1    |

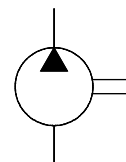
Note: When ordering the seals, please specify the seal kit number KS-PVR50150-1580.

## PVM 50 - Series Single Vane Pumps

These pumps are widely used as a source of hydraulic power in mobile application. They combine stable performance and robust construction with a wide range of delivery rates.



Graphic Symbol



## Specifications

| Model Number | Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power    | Shaft Speed Range<br>r/min. |      | Mass (Approx.)<br>Kg. |               |
|--------------|-------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------|------|-----------------------|---------------|
|              |                                                 |                                           |                                | Max.                        | Min. | Flange Mounting       | Foot Mounting |
| PVM50-13     | 9.5                                             | 175                                       | Ref. Page<br>126, 127 &<br>128 | 2000*                       | 600  | 12                    | 14.7          |
| PVM50-20     | 14.5                                            |                                           |                                |                             |      |                       |               |
| PVM50-26     | 19.4                                            |                                           |                                |                             |      |                       |               |
| PVM50-30     | 21.5                                            |                                           |                                |                             |      |                       |               |
| PVM50-36     | 26.5                                            |                                           |                                |                             |      |                       |               |
| PVM50-39     | 28.3                                            |                                           |                                |                             |      |                       |               |
| PVM50-45     | 31.6                                            |                                           | Ref. Page<br>141               |                             |      |                       |               |
| PVM50-51     | 36.7                                            |                                           |                                |                             |      |                       |               |
| PVM50-56     | 40.5                                            |                                           |                                |                             |      |                       |               |

\* For speeds above 2000 r/min., consult factory for information.

## Model Number Designation

| F-                                                                     | PVM50         | -L                                                     | -F                                                          | -13                                                                                                               | -                                                                                            | -R                                                                    | A                                                                                                   | A                                                                                                   | -31             | 80H01           |
|------------------------------------------------------------------------|---------------|--------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------|
| Special Seals                                                          | Series Number | Type of Mounting                                       | Type of Pipe Connection                                     | Nominal Displacement                                                                                              | Shaft Type                                                                                   | Direction of Rotation                                                 | Discharge Port Position                                                                             | Suction Port Position                                                                               | Design * Number | Design Standard |
| As Viewed From Shaft End                                               |               |                                                        |                                                             |                                                                                                                   |                                                                                              |                                                                       |                                                                                                     |                                                                                                     |                 |                 |
| <b>F:</b><br>For Phosphate Ester Type Fluids<br>(Omit if not required) | <b>PVM50</b>  | <b>L:</b><br>Foot Type<br><br><b>F:</b><br>Flange Type | <b>F:</b><br>Flange Connection<br><br><b>T:</b><br>Threaded | <b>13</b><br><b>20</b><br><b>26</b><br><b>30</b><br><b>36</b><br><b>39</b><br><b>45</b><br><b>51</b><br><b>56</b> | <b>None:</b><br>Std. Shaft.<br><br><b>1:</b><br>Special Shaft<br>(For 51 & 56 Capacity Only) | <b>R:</b><br>Clockwise (Normal)<br><br><b>L:</b><br>Counter Clockwise | (See Drawing)<br><b>A:</b> Normal (Upward)<br><b>B:</b> Bottom<br><b>R:</b> Right<br><b>L:</b> Left | (See Drawing)<br><b>A:</b> Normal (Upward)<br><b>B:</b> Bottom<br><b>R:</b> Right<br><b>L:</b> Left | <b>31</b>       | <b>80H01</b>    |

\* Design numbers subject to change from 30 to 39, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

### ■ Cartridge Kit Model Number

| CPVM50       | -13                  | -R                          | -31H01     |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVM50       | 13                   | R:<br>Clockwise<br>(Normal) | 31H01      |
|              | 20                   |                             |            |
|              | 26                   |                             |            |
|              | 30                   |                             |            |
|              | 36                   | L:<br>Counter-<br>Clockwise |            |
|              | 39                   |                             |            |
|              | 45                   |                             |            |
|              | 51                   |                             |            |
| 56           |                      |                             |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

### ■ Mounting Details

For mounting details please refer page No. 125.

### ■ Flanges

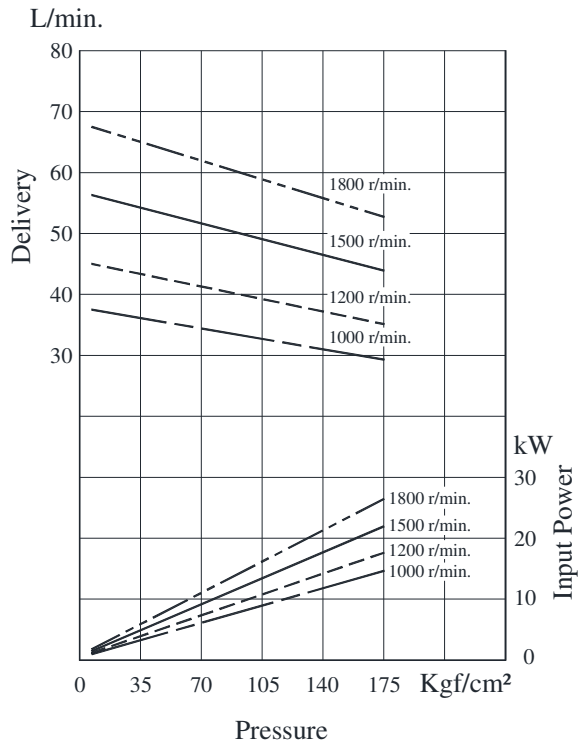
Note: Please refer page no. 747 for flange details.

### ■ Spare parts list

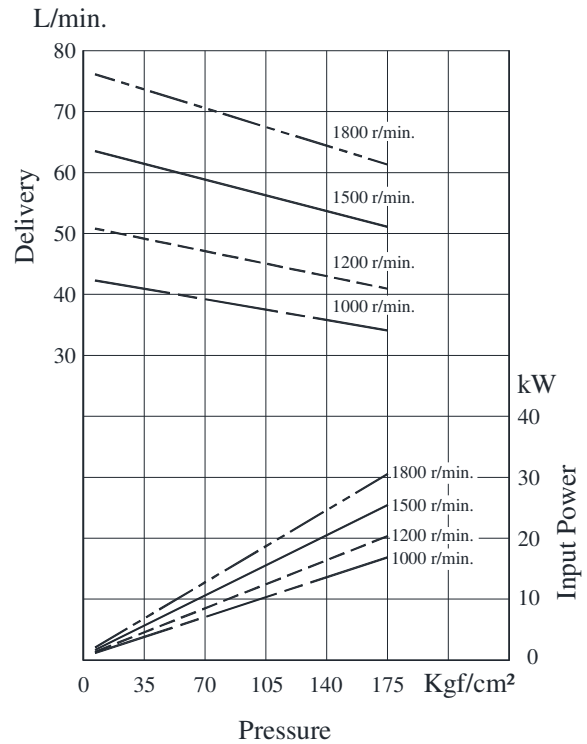
For list of spares please refer page No. 128.

Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

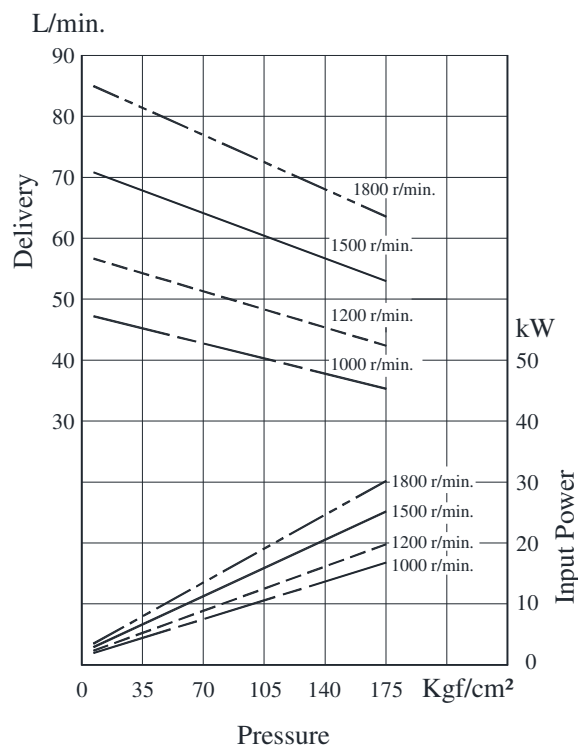
● PVM50 - 45



● PVM50 - 51



● PVM50 - 56

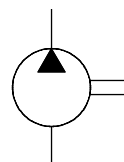


## PVM 150 - Series Single Vane Pumps

These pumps are widely used as a source of hydraulic power in mobile application. They combine stable performance and robust construction with a wide range of delivery rates.



Graphic Symbol



## Specifications

| Model Number | Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power | Shaft Speed Range<br>r/min. |      | Mass (Approx.)<br>Kg. |               |
|--------------|-------------------------------------------------|-------------------------------------------|-----------------------------|-----------------------------|------|-----------------------|---------------|
|              |                                                 |                                           |                             | Max.                        | Min. | Flange Mounting       | Foot Mounting |
| PVM150 – 60  | 47                                              | 175                                       | Ref. Page 131 & 132         | 2000*                       | 600  | 29.3                  | 35.9          |
| PVM150 – 70  | 57                                              |                                           |                             |                             |      |                       |               |
| PVM150 – 90  | 75                                              |                                           |                             |                             |      |                       |               |
| PVM150 – 110 | 92                                              |                                           |                             |                             |      |                       |               |
| PVM150 – 140 | 115                                             |                                           |                             |                             |      |                       |               |
| PVM150 – 170 | 135                                             |                                           | Ref. Page 143               |                             |      |                       |               |

\* For speeds above 2000 r/min., consult factory for information.

## Model Number Designation

| F-                                                                     | PVM150        | -L                                           | -F                          | -60                                                                           | -R                                                          | A                                                                                                   | A                                                                                                   | -34             | 80H01        |
|------------------------------------------------------------------------|---------------|----------------------------------------------|-----------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------|--------------|
| Special Seals                                                          | Series Number | Type of Mounting                             | Type of Pipe Connection     | Nominal Displacement                                                          | Direction of Rotation                                       | Discharge Port Position                                                                             | Suction Port Position                                                                               | Design * Number | Design Std   |
| As Viewed From Shaft End                                               |               |                                              |                             |                                                                               |                                                             |                                                                                                     |                                                                                                     |                 |              |
| <b>F:</b><br>For Phosphate Ester Type Fluids<br>(Omit if not required) | <b>PVM150</b> | <b>L:</b> Foot Type<br><b>F:</b> Flange Type | <b>F:</b> Flange Connection | <b>60</b><br><b>70</b><br><b>90</b><br><b>110</b><br><b>140</b><br><b>170</b> | <b>R:</b> Clockwise (Normal)<br><b>L:</b> Counter Clockwise | (See Drawing)<br><b>A:</b> Normal & Upward<br><b>B:</b> Bottom<br><b>R:</b> Right<br><b>L:</b> Left | (See Drawing)<br><b>A:</b> Normal & Upward<br><b>B:</b> Bottom<br><b>R:</b> Right<br><b>L:</b> Left | <b>34</b>       | <b>80H01</b> |

\* Design numbers subject to change from 30 to 39, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Mounting Details

For mounting details refer page No. 130.

## Spare parts list

For list of spares please refer page No. 132.



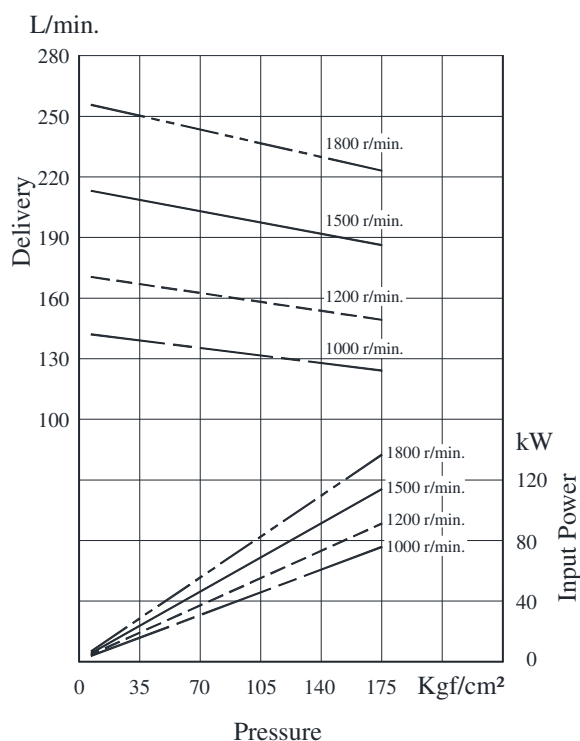
### Cartridge Kit Model Number

| CPVM150      | -60                  | -R                          | -33H01     |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVM150      | 60                   | R:<br>Clockwise<br>(Normal) | 33H01      |
|              | 70                   |                             |            |
|              | 90                   |                             |            |
|              | 110                  | L:<br>Counter-<br>Clockwise |            |
|              | 140                  |                             |            |
|              | 170                  |                             |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

### Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50<sup>0</sup> C]

#### • PVM 150 - 170



### Cartridge Kit Model Number

| Pump Model Numbers         | Cartridge Kit Number # |
|----------------------------|------------------------|
| PVM50-※-※-13-R※※-3180H01   | CPVM50-13-R-31H01      |
| PVM50-※-※-26-R※※-3180H01   | CPVR50-26-R-31H01      |
| PVM50-※-※-36-R※※-3180H01   | CPVR50-36-R-31H01      |
| PVM50-※-※-45-R※※-3180H01   | CPVR50-45-R-31H01      |
| PVM50-※-※-56-R※※-3180H01   | CPVR50-56-R-31H01      |
| PVM150-※-F-70-R※※-3480H01  | CPVM150-70-R-33H01     |
| PVM150-※-F-110-R※※-3480H01 | CPVM150-110-R-33H01    |
| PVM150-※-F-140-R※※-3480H01 | CPVM150-140-R-33H01    |
| PVM150-※-F-170-R※※-3480H01 | CPVM150-170-R-33H01    |

For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

# The above table does not include all combinations of cartridges available.

Only a few representative samples are shown.

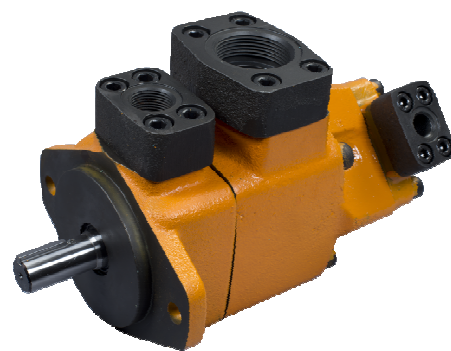
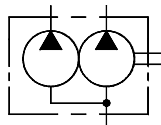
### Flanges

Note: Please refer page no. 747 for flange details.

## PVM 1050 Series Double Vane Pumps

These double pumps consist of one PVM1T and one PVM50 series single pumps combined in tandem within a single housing and driven by a common shaft. Fluid delivered from the two separate ports can be either supplied to separate or common circuits. These pumps are used in mobile application.

Graphic symbol



## Specifications

| Model Number | Small Volume Pump<br>Geometric Displacement<br>cm <sup>3</sup> /rev. | Large Volume Pump<br>Geometric Displacement<br>cm <sup>3</sup> /rev. | Max. Opr. Pressure<br>Kgf/cm <sup>2</sup> | Output Flow and Input Power          | Shaft Speed Range<br>r/min |      | Mass (Approx.)<br>Kg. |               |
|--------------|----------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|--------------------------------------|----------------------------|------|-----------------------|---------------|
|              |                                                                      |                                                                      |                                           |                                      | Max.                       | Min. | Flange Mounting       | Foot Mounting |
| PVM1050      | Refer Specification in Page No. 119                                  | Refer Specification in Page No. 139                                  | 175                                       | Refer Page 122, 123, 126, 127 & 128* | 2000                       | 600  | 17.75                 | 20.56         |

\* Applicable to Large Volume Pump Model Number PVM50-45 & PVM50-51 refer page no. 141.

## Model Number Designation

| F-                                                                      | PVM1050        | -L                                                             | -F                             | -4                                                        | -39                                                              | -R                                                                | E                                    | A                                    | A                     | -11        | 80H01        |
|-------------------------------------------------------------------------|----------------|----------------------------------------------------------------|--------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|------------|--------------|
| Special Seals                                                           | Series Number  | Mounting                                                       | Type of Pipe Connection        | Small Volume Pump Nominal Displacement                    | Large Volume Pump Nominal Displacement                           | Direction of Rotation                                             | Small Volume Pump Discharge Position | Large Volume Pump Discharge Position | Suction Port Position | Design No. | Design Std   |
|                                                                         |                |                                                                |                                |                                                           |                                                                  | As viewed from shaft end                                          |                                      |                                      |                       |            |              |
| <b>F:</b><br>For Phosphate Ester Type Fluids.<br>(omit if not required) | <b>PVM1050</b> | <b>L:</b><br>Foot Mounting<br><br><b>F:</b><br>Flange Mounting | <b>F:</b><br>Flange Connection | <b>4, 6</b><br><b>8, 10</b><br><b>12, 15</b><br><b>17</b> | <b>13, 20</b><br><b>26, 30</b><br><b>36, 39</b><br><b>45, 51</b> | <b>R:</b><br>Clockwise (Normal)<br><br><b>L:</b><br>Anticlockwise |                                      |                                      |                       | <b>11</b>  | <b>80H01</b> |

\* Design numbers subject to change from 10 to 19, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

### Large Volume Pump

| CPVM1050     | -13                  | -R                          | -10H01     |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVM1050     | 13                   | R:<br>Clockwise<br>(Normal) | 10H01      |
|              | 20                   |                             |            |
|              | 26                   |                             |            |
|              | 30                   |                             |            |
|              | 36                   | L:<br>Counter-Clockwise     |            |
|              | 39                   |                             |            |
|              | 45                   |                             |            |
| 51           |                      |                             |            |

### Small Volume Pump

| CPVM1050     | -4                   | -R                          | -10H01     |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVM1050     | 4                    | R:<br>Clockwise<br>(Normal) | 10H01      |
|              | 6                    |                             |            |
|              | 8                    |                             |            |
|              | 10                   |                             |            |
|              | 12                   | L:<br>Counter-<br>Clockwise |            |
|              | 15                   |                             |            |
|              | 17                   |                             |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

## Mounting Details

For mounting details please refer page No. 134.

## Flanges

Note: Please refer page no. 747 for flange details.

## Spare parts list

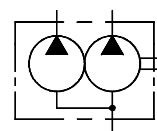
For list of spares please refer page No. 135.

## PVM 50150 Series Double Vane Pumps

These double pumps consist of one PVM 50 and one PVM 150 series single pumps combined in tandem within a single housing and driven by a common shaft. Fluid delivered from the two separate ports can be either supplied to separate or common circuits. These pumps are used in mobile application.



Graphic symbol



## Specifications

| Model Number | Small Volume Pump Geometric Displacement cm <sup>3</sup> /rev. | Large Volume Pump Geometric Displacement cm <sup>3</sup> /rev. | Max. Oper. Pressure Kg/cm <sup>2</sup> | Output Flow and Input Power                                         | Shaft Speed Range r/min. |      | Mass (Approx) Kg. |               |
|--------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------|--------------------------|------|-------------------|---------------|
|              |                                                                |                                                                |                                        |                                                                     | Max.                     | Min. | Flange Mounting   | Foot Mounting |
| PVM50150     | Refer Specification in Page No. 139                            | Refer Specification in Page No. 142                            | 175                                    | Refer Page 126, 127, 128, 131, 141 <sup>*</sup> & 143 <sup>*1</sup> | 2000 <sup>*2</sup>       | 600  | 42.5              | 49            |

\* Applicable to Small Volume Pump Model Number PVM50 – 45 & 51 refer page no. 141.

\*1 Applicable to Large Volume Pump Model Number PVM150 - 170 refer page no. 143.

\*2 For speeds above 2000 r/min. consult factory for information.

## Model Number Designation

| F-                                                        | PVM50150      | -L                                     | -F                      | -13                                    | -60                                    | -R                                            | E                                    | A                                    | A                     | -15          | 80H01      |
|-----------------------------------------------------------|---------------|----------------------------------------|-------------------------|----------------------------------------|----------------------------------------|-----------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|--------------|------------|
| Special Seals                                             | Series Number | Mounting                               | Type of Pipe Connection | Small Volume Pump Nominal Displacement | Large Volume Pump Nominal Displacement | Direction of Rotation                         | Small Volume Pump Discharge Position | Large Volume Pump Discharge Position | Suction Port Position | Design No. * | Design Std |
| F: For Phosphate Ester Type Fluids (Omit if not required) | PVM50150      | L: Foot Mounting<br>F: Flange Mounting | F: Flange Attachment    | 13, 20<br>26, 30<br>36, 39<br>45, 51   | 60, 70<br>90, 110<br>140, 170          | R: Clockwise (Normal)<br>L: Counter Clockwise | As viewed from shaft end             |                                      |                       | 15           | 80H01      |
|                                                           |               |                                        |                         |                                        |                                        |                                               |                                      |                                      |                       |              |            |

\* Design numbers subject to change from 10 to 19, but installation dimensions remain as shown.

\* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

## Mounting Details

For mounting details please refer page No. 137.

## Flanges

Note: Please refer page no. 747 for flange details.

## Spare parts list

For list of spares please refer page No. 138.

## Cartridge Kit Model Number

### Large Volume Pump

| CPVM150      | -60                  | -R                          | -33H01     |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVM150      | 60                   | R:<br>Clockwise<br>(Normal) | 33H01      |
|              | 70                   |                             |            |
|              | 80                   |                             |            |
|              | 90                   |                             |            |
|              | 110                  | L:<br>Counter-<br>Clockwise |            |
|              | 140                  |                             |            |
|              | 170                  |                             |            |

### Small Volume Pump

| CPVM50150    | -13                  | -R                          | -14        |
|--------------|----------------------|-----------------------------|------------|
| Model Number | Nominal Displacement | Shaft Rotation              | Design No. |
| CPVM50150    | 13                   | R:<br>Clockwise<br>(Normal) | 14         |
|              | 20                   |                             |            |
|              | 26                   |                             |            |
|              | 30                   |                             |            |
|              | 36                   | L:<br>Counter-<br>Clockwise |            |
|              | 39                   |                             |            |
|              | 45                   |                             |            |
|              | 51                   |                             |            |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

## Cartridge Kit Model Number

| Pump Model Numbers              | Cartridge Kit Number # |                    |
|---------------------------------|------------------------|--------------------|
|                                 | Small Volume Pump      | Large Volume Pump  |
| PVM1050-※-F-10-※-R※※※※-1180H01  | CPVM1050-10-R-10H01    | CPVM1050-※-R-10H01 |
| PVM1050-※-F-12-※-R※※※※-1180H01  | CPVM1050-12-R-10H01    |                    |
| PVM1050-※-F-15-※-R※※※※-1180H01  | CPVM1050-15-R-10H01    |                    |
| PVM1050-※-F-17-※-R※※※※-1180H01  | CPVM1050-17-R-10H01    |                    |
| PVM50150-※-F-20-※-R※※※※-1580H01 | CPVM50150-20-L-14      | CPVM150-※-R-33H01  |
| PVM50150-※-F-30-※-R※※※※-1580H01 | CPVM50150-30-L-14      |                    |
| PVM50150-※-F-36-※-R※※※※-1580H01 | CPVM50150-36-L-14      |                    |
| PVM50150-※-F-39-※-R※※※※-1580H01 | CPVM50150-39-L-14      |                    |
| PVM50150-※-F-45-※-R※※※※-1580H01 | CPVM50150-45-L-14      |                    |
| PVM50150-※-F-51-※-R※※※※-1580H01 | CPVM50150-51-L-14      |                    |

\* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

# The above table does not include all combinations of cartridges available.

Only a few representative samples are shown.