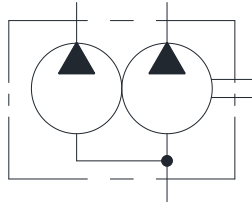


**PVM 1050 Series Double Vane Pumps**

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 Geometric Displacement cm <sup>3</sup> /rev.	Large Volume Pump Geometric Displacement cm <sup>3</sup> /rev.	Max. Opr. Pressure Kgf/cm <sup>2</sup>	Output Flow and Input Power	Shaft Speed Range r/min		Mass (Approx.) Kg.	
					Max.	Min.	Flange Mounting	Foot Mounting
PVM1050	Refer Specification in Page No. 103	Refer Specification in Page No. 123	175	Refer Page 106, 107, 110, 111 & 112*	2000	600	17.75	20.56

\* Applicable to Large Volume Pump Model Number PVM50-45 & PVM50-51 refer page no. 125.

**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 Delivery	Large Volume Pump Nominal Delivery	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)	PVM1050	L: Foot Mounting F: Flange Mounting	F: Flange Connection	4, 6 8, 10 12, 15 17	13, 20 26, 30 36, 39 45, 51	R: Clockwise (Normal) L: Anticlockwise				11	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.

\*\* Before ordering the Special Seals, consult YUKEN INDIA LTD.

**Cartridge Kit Model Number**

**Large Volume Pump**

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

**Small Volume Pump**

CPVM1050	-4	-R	-10H01
Model Number	Nominal Delivery	Shaft Rotation	Design No.
CPVM1050	4, 6 8, 10 12, 15 17	R: Clockwise (Normal) L: Counter-Clockwise	10H01

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

**Mounting Details**

For mounting details please refer page No. 118.

**Flanges**

Note: Please refer page no. 725 for flange details.

**Spare parts list**

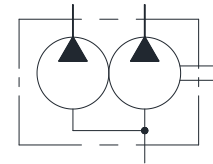
For list of spares please refer page No. 119.

**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. 123	Refer Specification in Page No. 126	175	Refer Page 110, 111, 112, 115, 125* & 127* <sup>1</sup>	2000 <sup>*2</sup>	600	42.5	49

\* Applicable to Small Volume Pump Model Number PVM50 – 45 & 51 refer page no. 125.

<sup>\*1</sup> Applicable to Large Volume Pump Model Number PVM150 - 170 refer page no. 127.

<sup>\*2</sup> 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 Delivery	Large Volume Pump Nominal Delivery	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> For Phosphate Ester Type Fluids (Omit if not required)	<b>PVM50150</b>	<b>L:</b> Foot Mounting <b>F:</b> Flange Mounting	<b>F:</b> Flange Attachment	<b>13, 20</b> <b>26, 30</b> <b>36, 39</b> <b>45, 51</b>	<b>60, 70</b> <b>90, 110</b> <b>140, 170</b>	<b>R:</b> Clockwise (Normal) <b>L:</b> Counter Clockwise				<b>15</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.

\*\* Before ordering the Special Seals, consult YUKEN INDIA LTD.

**Mounting Details**

For mounting details please refer page No. 121.

**Flanges**

Note: Please refer page no. 725 for flange details.

**Spare parts list**

For list of spares please refer page No. 122.

**Cartridge Kit Model Number**

● **Large Volume Pump**

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

● **Small Volume Pump**

CPVM50150	-13	-R	-14
Model Number	Nominal Delivery	Shaft Rotation	Design No.
CPVM50150	13	R: Clockwise (Normal)	14
	20		
	26		
	30		
	36		
	39	L: Counter- Clockwise	
	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.