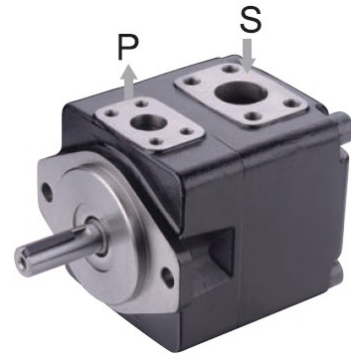


#### Features

- Fixed Displacement Vane Pump design provides good cost per horse-power versus other pump designs
- Dowel pin vane structure provides higher pressure, long life and low noise capability.
- Pump can work with wide fluid viscosity and temperature range.
- The vane design is more resistant to contamination and can endure a large rpm range.



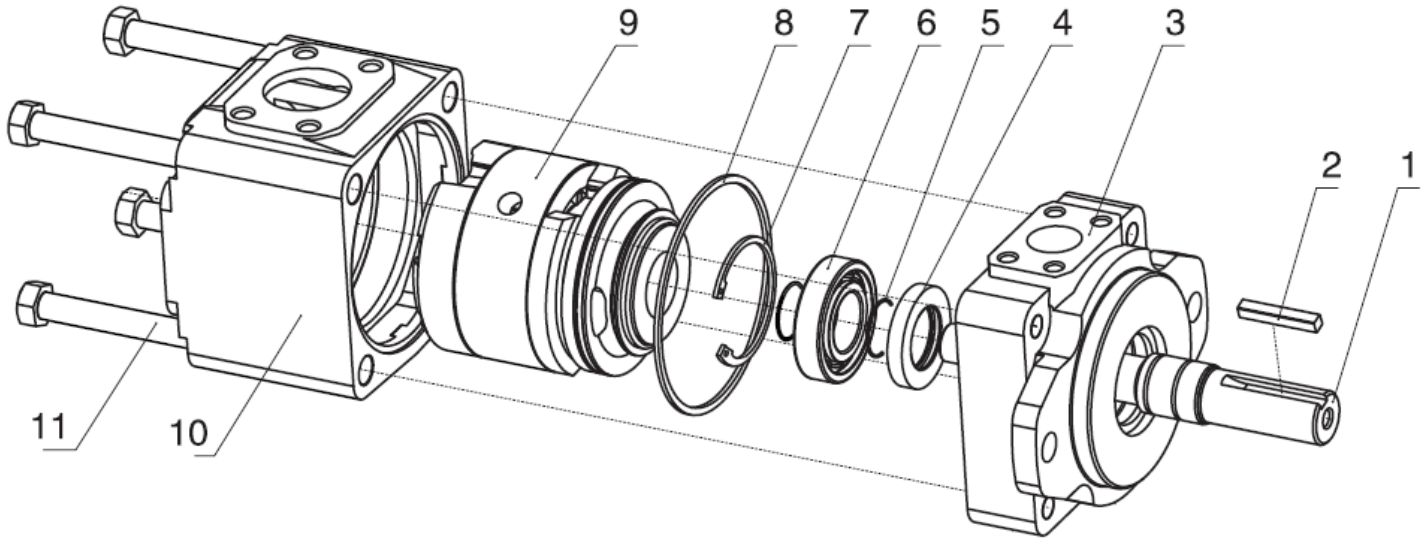
#### Ordering Details

P	Pump																		
F	Fixed																		
V	Vane																		
46-	CC, Centimeters <sup>3</sup> /rev.: 11, 17, 21, 26, 34, 37, 46, 58, 64, 70, 79, 89, 100																		
K.8-	<table border="1"> <thead> <tr> <th colspan="3">Parallel Key</th> <th colspan="3">Spline</th> </tr> <tr> <th>Code</th> <th>Shaft Dia., in.</th> <th>Key Width, in.</th> <th>Code</th> <th>Shaft Dia., in.</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>K.8</td> <td>0.875</td> <td>0.25</td> <td>15T</td> <td>1.00</td> <td>15T 16/32</td> </tr> </tbody> </table>	Parallel Key			Spline			Code	Shaft Dia., in.	Key Width, in.	Code	Shaft Dia., in.	Details	K.8	0.875	0.25	15T	1.00	15T 16/32
	Parallel Key			Spline															
Code	Shaft Dia., in.	Key Width, in.	Code	Shaft Dia., in.	Details														
K.8	0.875	0.25	15T	1.00	15T 16/32														
2B-	<table border="1"> <thead> <tr> <th>Code</th> <th>Flange</th> </tr> </thead> <tbody> <tr> <td>2B</td> <td>SAE B, 2-BOLT</td> </tr> </tbody> </table>	Code	Flange	2B	SAE B, 2-BOLT														
Code	Flange																		
2B	SAE B, 2-BOLT																		
F1	Pressure Port: <b>F1</b> = 1" 4-bolt flange																		
F1.5	Suction Port: <b>F1.5</b> = 1 1/2" 4-bolt flange																		
0-	<table border="1"> <thead> <tr> <th>Code</th> <th>Port Location</th> <th>Code</th> <th>Port Location</th> </tr> </thead> <tbody> <tr> <td>0 (Standard)</td> <td></td> <td>180</td> <td></td> </tr> <tr> <td>90</td> <td></td> <td>270</td> <td></td> </tr> </tbody> </table>	Code	Port Location	Code	Port Location	0 (Standard)		180		90		270							
	Code	Port Location	Code	Port Location															
	0 (Standard)		180																
	90		270																
R-	Shaft rotation when looking at the shaft: <b>R</b> = Right Hand (CW), <b>L</b> =Left Hand (CCW)																		
13	Series																		

Example Part Number: PFV46-K.8-2B-F1F1.5O-R-13

## Section 1 – Technical Specifications

### Pump Construction:



Item	Description	Qty.
1	Shaft	1
2	Parallel Key	1
3	Front Cover	1
4	Shaft Seal	1
5	Shaft retaining snap ring	1
6	Ball Bearing	1

Item	Description	Qty.
7	Retaining snap ring	1
8	Square Seal Ring	1
9	Cartridge vane set (replaceable)	1
10	Rear Cover	1
11	Rear Cover	1

### Technical Specifications:

cc/rev	Actual Displacement, Cc/rev	Max. Continuous Operating Pressure, psi (bar)	Max. Instantaneous Operating Pressure, psi (bar)	Max. rpm	Min. rpm	Flow at 1200rpm and 0 bar/0psi, gpm (lpm)	Approximate flow loss per additional 100psi pressure increase, gpm per 100psi (lpm per 10bar)	Weight, Kg (lbs.)	Fluid Recommendation
11	10.8	3480 (240)	4060 (280)	2800	600	3.4 (13)	.059 (.325)	34.6 (15.7)	Mineral Based Oil (24cst)
17	17.2	3480 (240)	4060 (280)	2800	600	5.4 (20.6)	.059 (.325)		
21	21.3	3480 (240)	4060 (280)	2800	600	6.7 (25.6)	.059 (.325)		
26	26.4	3480 (240)	4060 (280)	2800	600	8.3 (31.7)	.059 (.325)		
34	34.1	3480 (240)	4060 (280)	2800	600	10.8 (40.9)	.059 (.325)		
37	37.1	3480 (240)	4060 (280)	2800	600	11.7 (44.5)	.059 (.325)		
46	46	3480 (240)	4060 (280)	2800	600	14.5 (55.2)	.059 (.325)		
58	58.3	3480 (240)	4060 (280)	2800	600	18.4 (70)	.059 (.325)		
64	63.8	3480 (240)	4060 (280)	2800	600	20.2 (76.6)	.059 (.325)		
70	70.3	3480 (240)	4060 (280)	2800	600	22.2 (84.4)	.059 (.325)		
79	79.3	3480 (240)	4060 (280)	2800	600	25.1 (95.2)	.059 (.325)		
89	88.8	3000 (160)	3045 (210)	2200	600	28.1 (106.6)	.065 (.357)		
100	100.0	3000 (160)	3045 (210)	2500	600	31.6 (120)	.065 (.357)		

## Section 2 – Dimensional Data

Dimensions in mm

