

# Rexroth Bosch Group

## Fixed Displacement Vane Pump Model PVV

### Series 1X

Max. pressure up to 3000 PSI

Max. displacement 1.09 in<sup>3</sup>–11.78 in<sup>3</sup>

- 4 frame sizes
- Single pumps
- Double pumps
- Standard, right hand rotation
- SAE dimensions
- Direct replacement capability to other manufacturers' product
- Fixed displacement
- Long bearing life due to minimal shaft loading
- Low wear due to minimal vane tip loading
- Low operating noise
- Easy to service due to exchangeable pump cartridges
- Good efficiency
- Optional positioning of the pressure connection
- Keyed or splined drive shafts available

### Double pump:

- Very compact design
- The position of the pressure connections is separately selectable
- Industrial version PVV



Single pump model PVV2-1X/...A15D..



Double pump model PVV21-1X/...A15DD..

### Ordering Code

|    |  |       |  |  |    |  |  |  |  |  |   |
|----|--|-------|--|--|----|--|--|--|--|--|---|
| PV |  | -1X / |  |  | 15 |  |  |  |  |  | * |
|----|--|-------|--|--|----|--|--|--|--|--|---|

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|---|--|
| <b>Pump type</b><br>Industrial version = V<br><b>Frame size</b><br>Single pumps<br>1, 2, 4, 5<br>Double pumps<br>21, 41, 42, 51, 52, 54<br><b>Series</b><br>Series 10 to 19 = 1X<br>(10 to 19, unchanged installation and connection dimensions)<br><b>Nominal Displacement</b><br>(For codes please see table on next page)<br><b>Direction of rotation</b> (viewed on the shaft end)<br>Clockwise = R<br><b>Shaft end</b><br>Drive shaft (keyed) = A<br>Splined drive shaft (SAE) = J<br>Spined non-SAE shaft = R<br><b>Connections</b><br>SAE suction and pressure connections, UNC mounting bolt = 15<br><b>Position of the pressure connection</b> (as viewed from rear)<br>(Front pump or single pump, flange end)<br>Top (0° from the inlet) = D | Further details to be written in clear text<br><b>No code</b> = Through drive<br>Without through drive<br><b>K01</b> = 82-2, 16-4 (SAE-A, 9T) PVV2, 4, 5<br><b>K02</b> = 101-2, 22-4 (SAE-B, 13T) PVV2, 4, 5<br><b>K07</b> = 127-2, 32-4 (SAE-C, 14T) PVV4, 5<br><b>Flange Version</b><br><b>B</b> = SAE-B-2 hole flange (Frame sizes 1; 2; 21)<br><b>C</b> = SAE-C-2 hole flange (Frame sizes 4; 5 & frame sizes 41 to 54)<br><b>Seals</b><br><b>M</b> = NBR seals<br><b>Only for double pump pressure connection</b> (as viewed from cover)<br><b>Frame sizes 21 to 52</b><br><b>Frame size 54</b><br><b>D</b> = Top (45° to the right of the inlet)<br><b>D</b> = (Top 0° from the inlet) |
|---|--|

Ordering example, single pump: PVV2-1X/055RA15DMB  
 Ordering example, double pump: PVV52-1X/154-068RB15DDMC