

PV2R Series Vane Pumps with High Pressure and Lower Noise

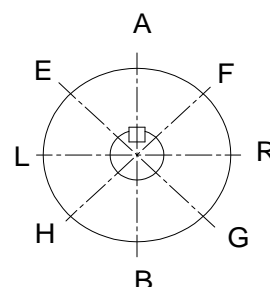
产品简介 Products Introduction



PV2R Series vane pumps with high pressure and lower noise are high-performance products, which are developed and domestically produced by our company, featured by advanced performance, reasonable structure, good creditability, lower noise, ultra-low pulse and stable quality and so on. Precisely made, the product can be used in the equipment with high precision and low noise, and is widely used in cutting, plastic, leather, forging and engineering machinery fields, and the like.

型号说明 Model Code

<p>系列叶片泵 Series vane pumps</p>	<p>PV2R</p>	<p>※</p>	<p>-</p>	<p>※</p>	<p>-</p>	<p>※</p>	<p>□</p>	<p>□</p>	<p>□</p>	<p>□</p>
<p>子系列代号 Code of subsidiary series: 1、2、3、11、21、31、32</p>										
<p>单泵或双泵的轴端泵公称排量 Displacement of single pump or double pump shaft end pump mL/r</p>										
<p>双泵的盖端泵公称排量. Displacement of double pump cover end pump mL/r</p>										
<p>旋转方向（从轴端看） Direction of rotation (Viewed from shaft end): R – 顺时针（标准，可省略） Clockwise (Standard, omit) L – 逆时针 Counter clockwise</p>										
										<p>油口位置（从轴端看） Port positions (Viewed from shaft end): 设定轴端泵出油口向上 Outlet of shaft end pump is set to be on the upper side</p> <p>轴径 Shaft diameter: F₁ - 大轴 Major shaft 其它轴伸（可省略） Other shaft extension form(omit)</p> <p>双泵的盖端泵出油口 Outlet of cover end pump: A、B、E、F、G、H、L、R</p> <p>进油口 Inlet: A、B、L、R</p>



技术规格 Specifications

◆ 单 泵 Single Pump

产 品 型 号 Model	理论排量 Displacement mL/r	最高压力 Max. pressure MPa							允许转速 Speed r/min		驱动 功率 Input power kW	质量 Weight kg
		高压用 特定油 Special oil	抗磨 液压油 Antiwear oil	普通 液压油 Common oil	抗磨型水 乙二醇液 Antiwear water glycol fluid	水乙二 醇液 Water glycol fluid	油包水 乳化液 Water-oil emulsions	磷酸酯液 Phosphate ester fluid	最低 Min.	最高 Max.		
PV2R1-4	4.3	21	17.5	16	16	7	7	16	750	1800 (1200)	2.1	8
PV2R1-6	6.1										3.2	
PV2R1-8	8.5										4.5	
PV2R1-10	10.4										5.4	
PV2R1-12	13										6.1	
PV2R1-14	14.2										6.9	
PV2R1-17	16.8										7.9	
PV2R1-19	19.4										9.6	
PV2R1-23	23.3										10.5	
PV2R1-25	24.4										12.5	
PV2R1-28	28.4										14.0	
PV2R1-31	29.5	16	16	15.5								
PV2R2-17	17.7	21	17.5	14	16	7	7	14	600	1800 (1200)	7.8	16
PV2R2-26	26.6										11.7	
PV2R2-33	32.8										15.5	
PV2R2-41	41.7										18.9	
PV2R2-47	47.9										23.2	
PV2R2-53	55.7										24	
PV2R2-59	58.2										24.9	
PV2R2-65	63.3									29.4		
PV2R2-70	70.3	16	16							1200	31.6	17
PV2R2-75	78.1									35.7		
PV2R2-85	82.7									37.5		
PV2R3-52	52.9	21	17.5	14	16	7	7	14	600	1800 (1200)	23.2	32
PV2R3-60	64.3										29.4	
PV2R3-66	67.2										34.2	
PV2R3-76	76										37.7	
PV2R3-94	94.2										41.2	
PV2R3-116	115.8	50										
PV2R3-125	127	16	16									
PV2R3-136	132.5			57								

高压用特定油、抗磨型水乙二醇液的牌号参见 10 页

Grades of Special oil and Antiwear water glycol fluid, see page twelve.

- Note:** 1. When pressure of pumps exceeds 16MPa, with displacement of “4” “6” “8”, , speeds should be more than 1450 r/min.
2. Reduce the negative pressure of the inlet when the Single Pump or double pumps with large displacement at high speed.
3. The numerical number in bracket is the one using phosphate ester fluid and water containing hydraulic fluid.
4. Speed at 1000r/min is suggested on occasions with lower noise strictly required.
5. When the working fluid is phosphate ester fluid, it uses special sealing (FPM), Prefix [F-] to the specified model when ordering.
6. Input power is available in working conditions of 16 MPa and 1500r/min.

◆双联泵 Double Pumps

泵系列号 Series	轴端泵排量 Displacement of shaft end pump	盖端泵排量 Displacement of cover end pump
PV2R11	4、6、8、10、12、14、17、19、23、25、28、31	4、6、8、10、12、14、17、19、23、25、28、31
PV2R21	17、26、33、41、47、53、59、65、70、75、85	4、6、8、10、12、14、17、19、23、25、28、31
PV2R31	52、60、66、76、94、116、125、136	4、6、8、10、12、14、17、19、23、25、28、31
PV2R32	52、60、66、76、94、116、125、136	17、26、33、41、47、53、59、65、70、75、85