

Friendly, Intelligent, Powerful

# Vane Pumps

Various models, ranging from low-noise low-pulsation small capacity models to low-noise high pressure models, are available in Yuken vane pumps for customers' best selection.



## PV2R Series Vane Pumps

These pumps have been developed especially for low noise operation. To comply with a wide range of applications including the injection moulding machines, PV2R series pumps provide the output flow of such a wide range as from 5.8 to 237cm<sup>3</sup>/rev.

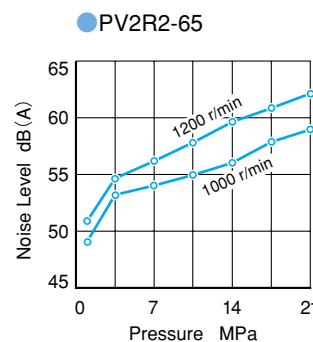
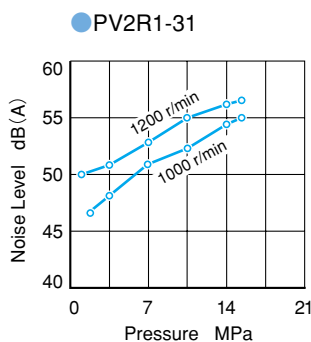
- Model .....PV2R1, PV2R2, PV2R3, PV2R4 and Double Pumps.
- Max.Operating Pressure .....21MPa
- Geometric Displacement .....PV2R1 : 5.8~31/PV2R2 : 41.3~64.7  
PV2R3 : 76.4~115.6/PV2R4 : 136~237cm<sup>3</sup>/rev



### Noise Level

#### ● Measuring condition

- Fluid viscosity : 20mm<sup>2</sup>/s
- Measurement position : One metre horizontally away from pump head cover
- Background noise : 40dB(A)



## PV11R Series Vane Pumps

These pumps are durable against such a high pressure as 40MPa. The excessive wear to the vanes and camring which usually occurs in such high pressure vane pumps has been solved by means of adopting the special methods in both mechanical construction aspects and lubrication systems.

- Model .....PV11R10, PV11R20
- Max.Operating Pressure .....40MPa (Anti-Wear Type Oils)  
25MPa (R&O Type Oils)
- Geometric Displacement .....PV11R10 : 2.2~12.1cm<sup>3</sup>/rev  
PV11R20 : 15.2~22.1cm<sup>3</sup>/rev



Pump Type	Maximum Operating Pressure MPa	Output Flow L/min at 1200 r/min at No-Load												
		1	2	5	10	20	50	100	200	500	800			
"PVL" Series Single Pumps	5			PVL1										
Single Pumps	7					50T	150T	250F	500F					
Double Pumps	7			Small Volume		(50)	(150)	(250)						
					Large Volume	(50)	(150)	(250)						
Combination Pumps	7			Small Volume		(50)								
					Large Volume	(50)	(150)							
"PV2R" Series Single Pumps	21					PV2R1	PV2R2	PV2R3	PV2R4					
"PV2R" Series Double Pumps	21			Small Volume		(PV2R1)	(PV2R2)	(PV2R3)						
					Large Volume	(PV2R2)	(PV2R3)	(PV2R4)						
"PV11R" Series Single Pumps	40					PV11R10	PV11R20							