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Россия +7(495)268-04-70

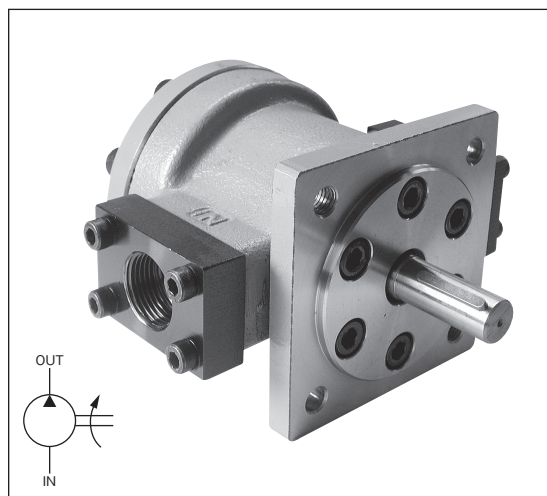
Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://toyooki.nt-rt.ru> || tik@nt-rt.ru

FIXED-DISPLACEMENT VANE PUMP (HVP-FC1)

FIXED-DISPLACEMENT VANE PUMP (HVP-FC1)



Features

- The bearing load is small thanks to the hydraulically balanced design, allowing long life and operating economy.
- The pump operates quietly even in high speed applications due to excellent cavitation characteristics.
- Since the pipe connecting port is of flange mounting type, the pump can be installed or removed without disassembling the pipe.

⚠ Cautions on use

Please read the Operating Manual carefully to ensure correct usage.

- The standard direction of rotation is clockwise, viewed from the shaft end.
- Standard position of suction inlet is to left and the same of discharge outlet is to right viewed from the shaft end.
- When using water-glycol hydraulic fluid, specify "G" at the end of model designation. The maximum rotating speed, however, becomes 1,200 min⁻¹. For brand names of water-glycol hydraulic fluid, please consult us.
Example: HVP-FC1-L26R-B-G"
- The direction of rotation can be changed on the same pump. For the changing method, please consult us.
- The pump for counterclockwise rotation has the inlet and outlet ports opposite to those on the pump for clockwise rotation.
- The pump can be used for R&O type and abrasion-resistant type hydraulic fluid applications.
- Please read the "Cautions on Using Pumps and Motors", A-2 and A-3 pages.

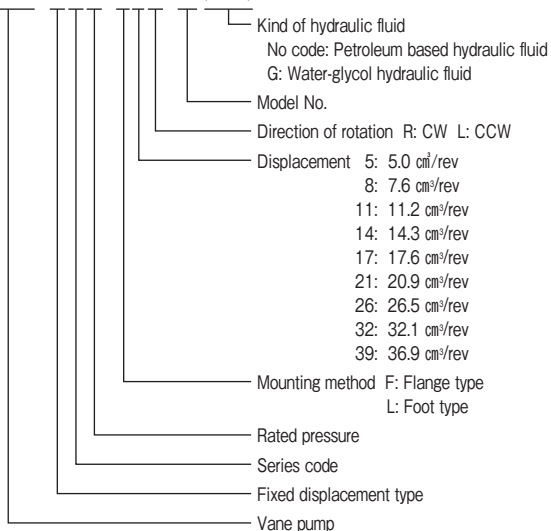
Specifications

															1,800 min ⁻¹ 20mm ³		
Model	Displacement (cm ³ /rev)	Pressure (MPa)		Discharge rate (L/min)					Input (kW)					Rotating speed (min ⁻¹)			
		Rated	Max.	0.5 MPa	2 MPa	3.5 MPa	5 MPa	7 MPa	0.5 MPa	2 MPa	3.5 MPa	5 MPa	7 MPa	Rated	Max.	Lowest	
HVP-FC1-5R-B	5.0	7	7	8.5	8.1	7.8	7.4	6.9	0.3	0.6	1.0	1.4	1.9	1,800	1,800	600	
HVP-FC1-8R-B	7.6			13.1	12.6	12.1	11.6	11.0	0.3	0.8	1.3	1.7	2.3				
HVP-FC1-11R-B	11.2			19.4	18.8	18.2	17.5	16.7	0.4	1.1	1.8	2.4	3.3				
HVP-FC1-14R-B	14.3			24.8	24.2	23.6	23.1	22.3	0.4	1.2	2.0	2.8	3.8				
HVP-FC1-17R-B	17.6			30.5	29.8	29.1	28.4	27.4	0.6	1.5	2.4	3.3	4.5				
HVP-FC1-21R-B	20.9			36.4	35.8	35.2	34.5	33.7	0.6	1.7	2.8	3.8	5.3				
HVP-FC1-26R-B	26.5			46.2	45.6	44.8	44.1	43.1	0.8	2.1	3.4	4.8	6.5				
HVP-FC1-32R-B	32.1			56.3	55.5	54.5	53.6	52.3	0.9	2.5	4.1	5.8	8.0				
HVP-FC1-39R-B	36.9			64.8	63.8	62.7	61.6	60.1	1.1	3.0	4.9	6.8	9.3				

Symbol "*" in the model designation indicates the mounting method.
L means the foot type, and F means the flange type.

Description of the model designation

HVP-FC1-L5R-B (-G)



A

PUMPS AND MOTORS