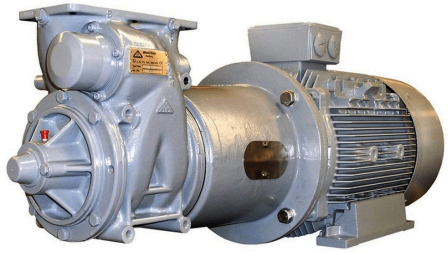
MODELS FPCC 50 · FPO 65 · FPO 80 · FPO 100

ALFONS HAAR FPCC and FPO Vane Pump Range

Self-priming vane pumps for low viscosity mineral oil products such as diesel and motor gasoline. The range runs from the FPCC 50 at 50 to 300 L/min to the FPO 100 at up to 1,615 L/min, with PTO, hydraulic or electric motor drive.



1,615 L/min
FPO 100 maximum, at Δp 7 bar

76 cSt
maximum viscosity, standard vanes

10 bar
nominal pressure

Key features

- Integrated pneumatic or mechanical bypass valve on FPO 65, 80 and 100
- Block flange connection for tank truck pipework on the FPO range
- Good blow down of lines for product change on the FPO range
- Up to 940 L/min (FPO 65) and 1,230 L/min (FPO 80) at Δp 10 bar
- No copper alloys or galvanised steel, JIG compliant (FPO 65 and 80)
- FPCC 50 delivers 50 to 300 L/min at up to 6 bar delivery pressure

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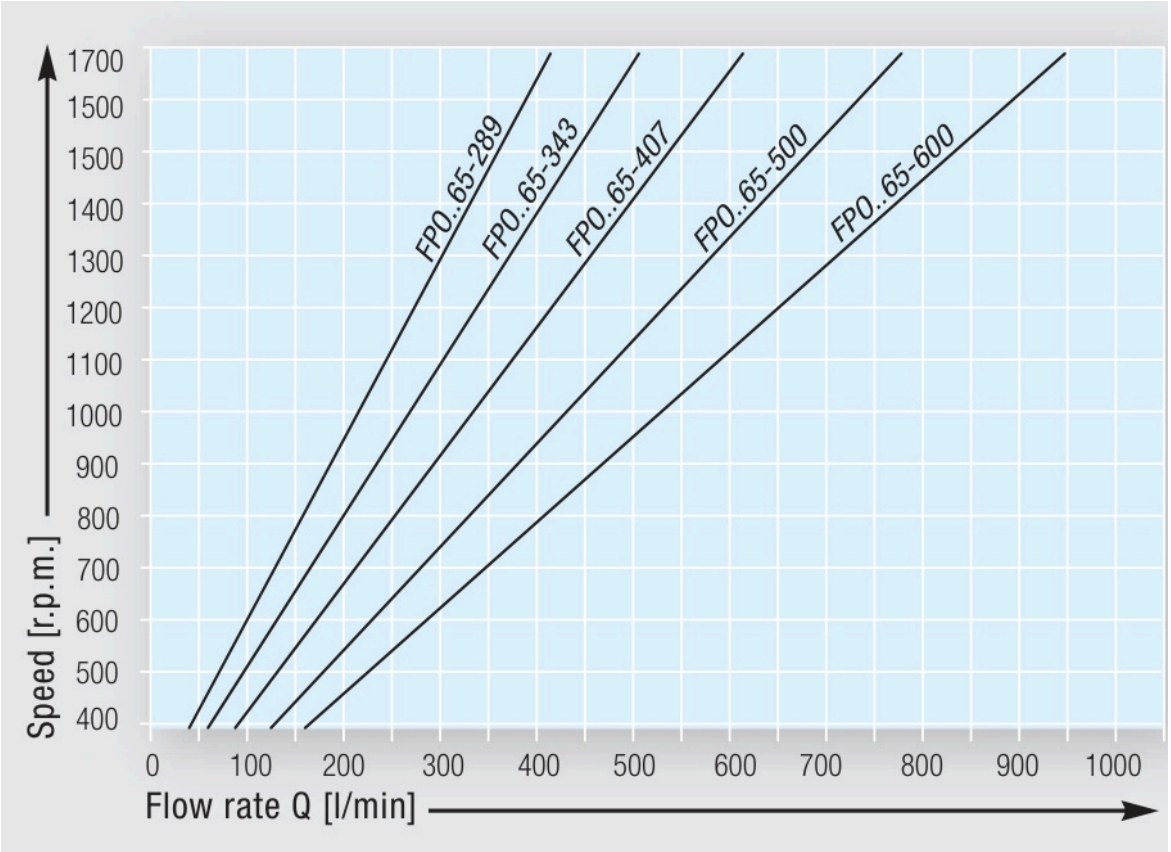
Technical data

SPECIFICATION	VALUE
Pump type	Self-priming vane pump
Viscosity	Up to 76 cSt, 500 cSt on FPO with positive vane actuation
Nominal pressure	10 bar
Temperature	-15 to +70 °C FPO standard, -30 to +70 °C FPCC 50
Drive	PTO or hydraulic (FPO 65, 80, 100)
ATEX marking	II 2 G Ex h IIA T4 … T2 Gb X (FPO 65, 80, 100)
Materials	Grey cast iron housing, steel shaft and rotor (FPO 65, 80)
FPCC 50-153	Nominal bore 50, 153 cm³/rev, 1,700 rpm max
FPCC 50-213	Nominal bore 50, 213 cm³/rev, 1,700 rpm max
FPO 65-407	3" and 2½" block flange, 407 cm³/rev, 1,700 rpm max
FPO 65-600	3" and 2½" block flange, 600 cm³/rev, 1,700 rpm max
FPO 80-900	4" and 3" block flange, 900 cm³/rev, 1,500 rpm max
FPO 100-975	4" block flange, 975 cm³/rev, 1,300 rpm max
FPO 100-1308	4" block flange, 1,308 cm³/rev, 1,300 rpm max, Δp 7 bar

Installation and use

Install with the shaft horizontal, at no more than 5° inclination. FPCC 50 needs a separately ordered bypass valve fitted before use.

Performance



FPO 65 family flow rate against speed at Δp 10 bar. Chart also shows the 289, 343 and 500 sizes.