

BENCOR (Pty) Ltd.

Pumps



Miniature hydraulic power packs type FP

This ready for connection hydraulic power pack is used to supply pressurized fluid for low volume actuators such as clamping functions, small lifting platforms with short operation cycles and prolonged idling periods.

The power pack consists of a cover plate, where motor and pump are mounted and fixed to the tank. The electrical source is connected with an electrical lead provided.

Complete hydraulic control systems can be created by directly mounting various connection blocks and valve banks to the hydraulic power pack.



Nomenclature: Radial piston pump with integrated electric motor (version for 3-phase mains)

Design: Oil immersed compact hydraulic power pack for short period operation

p_{max}: 700 bar

Q_{max}: approx. 2,1 l/min
(V_g = 0,75 cm³/rev)

V_{usable}: 1,3 l

Basic types and general parameters

Basic type	Delivery flow coding										Symbol
FP 12	H 0,18	H 0,28	H 0,43	H 0,56	H 0,73	H 0,27	H 0,42	H 0,64	H 0,58	H 1,1	
Q _{max} (l/min) ¹⁾	0,34	0,54	0,77	1,0	1,37	0,52	0,81	1,15	1,6	2,1	
p _{max} (bar)	700	700	620	430	220	700	600	400	300	200	

Additional parameter

	Rev. rating n _N (min ⁻¹)	P _N (kW) ²⁾	V _{usable} (l)	Nom. voltage
FP 12	2810	0,37	1,3 l	3 ~ 400V 50 Hz ³⁾ 3 ~ 230V 50 Hz ³⁾ 3 ~ 500V 50 Hz

(winding protection is standard)

- ¹⁾ Q_{max} applies for mains 50 Hz. Q - 1,2 Q_{max} for mains 60 Hz
²⁾ The actual power input is dependent on the respective operation pressure and can be up to 2,0 x P_N
³⁾ also suitable for mains 3 ~ 460 or 265 V √Δ 60 Hz

Additional versions

- Cover plate version for installation in customer furnished tanks
- Design without winding protection (type FPX..)
- Design with nom. rev. rating n_N = 1320 min⁻¹ (type FP 14)
- Design with AC-motor (1 ~ 230 V 50 Hz), approx. 30-50% reduced performance (type FPW..)
- Completion with connection block and valve banks (see also "Additional information")