

F2 - TWIN-FLOW PUMP

The F2 twin flow truck pump – the easy way to flexible power and improved fuel economy.

The twin-flow pump makes it possible to operate two work functions that are independent of each other which leads to higher speed and an increased operating precision. Another requirement can be a large and a small flow, or two equal flows. All of these alternatives are possible with the twin-flow pump.

With a suitable build-up of the hydraulic system, the main advantage with a twin-flow pump is that three different flows can be provided at the same engine speed.

The pump can be utilized to provide one flow at high system pressure, and, as soon as the pressure has decreased sufficiently, add the flow from the other circuit. This eliminates the risk of exceeding the PTO power rating and, at the same time, provide an optimal driving function.



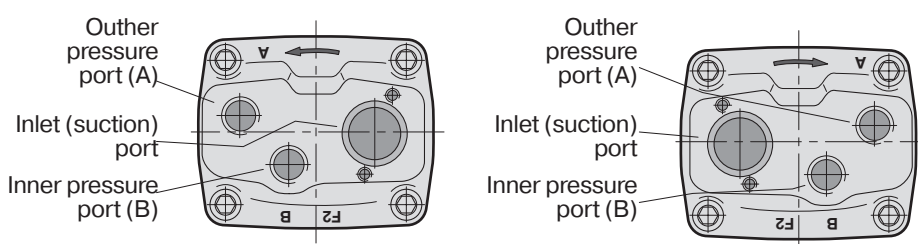
Frame Size F2-	42/42	45/45	53/53	55/28	70/35	57/57	70/70
Displacement [cm ³ /rev]							
Port A	43	43	55	55	69	55	68
Port B	41	43	52	28	36	55	68
Max operating pressure [bar]							
continuous	350	350	350	350	350	250	300
intermittent ³⁾	400	400	400	400	400	400	350
Mass moment of inertia J [kgm ²]	0.0092	0.0092	0.0091	0.0091	0.0090	0.0090	0.0104
Max shaft speed [rpm]							
(unloaded pump; low pressure)	2550	2550	2550	2550	2550	2550	- ³⁾
Max selfpriming speed [rpm]							
Ports A ¹⁾ and B ¹⁾ pre-urised	1800	1800	1800	1800	1800	1800	1650
Port A ¹⁾ unloaded, pressure in port B	2100	2100	2100	2100	2100	2100	2100
Max input power ²⁾ [kW]	100	100	127	100	126	127	131
Weight [kg]	19	19	19	19	19	19	19

1) Valid at an inlet pressure of 1.0 bar (abs.) when operating on mineral oil at a viscosity of 30 mm²/s (cSt).

2) Max 6 seconds in any one minute

3) Not suitable for engine-PTO

‘Left hand’ and ‘right hand’ end caps



End cap for right hand rotating pump End cap for left hand rotating pump

Features and benefits:

- Less energy consumption
- Reduced risk of system overheating
- Lower weight
- Easier installation
- Standardised system solutions
- Compact and easy to install

Intended applications:

- Snow ploughs
- Large truck loaders
- Refuse collecting vehicles
- Hook loaders/Lift dumpers
- Tipper/Crane combinations
- Multipurpose vehicles



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