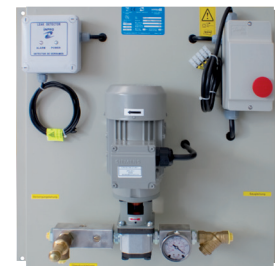


FP TANK TO TANK TRANSFERRING

FP ONE PUMP-FP ZW TWO PUMPS Versions for Bio Fuel¹⁾

| MODEL | | FP 10 | FP 23 | FP 41 | FP 90 | FP 120 | FP 240 | FP 360 | FP 570 |
|-------------------------------------|--------------|--------|--------|--------|-------|--------|--------|--------|--------|
| MAX. FLOW | l/h | 100 | 260 | 460 | 900 | 1.400 | 2.100 | 3.400 | 5.300 |
| SUPPLY VOLTAGE | VOLT | 400* | 400* | 400* | 400 | 400 | 400 | 400 | 400 |
| MOTOR POWER | KW | 0,25 | 0,25 | 0,25 | 0,55 | 0,55 | 2,2 | 3 | 3 |
| | C.V. | 1/3 | 1/3 | 1/3 | 3/4 | 3/4 | 3 | 4 | 4 |
| MOTOR | r.p.m. | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 | 1.400 |
| SECURITY VALVE OPENS AT | bar | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 |
| CONNECTION TO THE HYDRAULIC CIRCUIT | SUCTION | 1" F | 1" F | 1" F | DN 32 | DN 32 | DN 50 | DN 50 | DN 50 |
| | DRIVE | 1" F | 1" F | 1" F | DN 32 | DN 32 | DN 50 | DN 50 | DN 50 |
| | OVERPRESSURE | 3/4" F | 3/4" F | 3/4" F | 1" F | 1" F | DN 40 | DN 40 | DN 40 |
| MOTOR PROTECTION | IP | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |



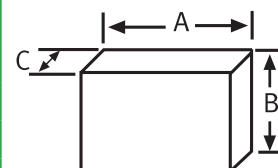
(*) Also available in 230 single phase versions (W/WD= 230 V. single phase version; D= 400 V. triphase versions).

- For other capacity and mediums, please consult.

- ZW: Two pumps versions

¹⁾For viscosities till 38 mm²/s (40°C)

| MODEL | FP 10 | | FP 23 | | FP 41 | | FP 90 | | FP 120 | | FP 240 | | FP 360 | | FP 570 | |
|---------------------|-------|-----|-------|-----|-------|-----|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|
| | N | ZW | N | ZW | N | ZW | N | ZW | N | ZW | N | ZW | N | ZW | N | ZW |
| A | 595 | 870 | 595 | 870 | 595 | 870 | 595 | 890 | 595 | 890 | 1.200 | 1.200 | 1.200 | 1.300 | 1.200 | 1.300 |
| B | 575 | 720 | 575 | 720 | 575 | 720 | 575 | 790 | 575 | 790 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| C | 240 | 240 | 240 | 300 | 240 | 300 | 240 | 350 | 240 | 400 | 500 | 850 | 500 | 850 | 500 | 850 |
| APPROX. WEIGHT (KG) | 14 | 31 | 16 | 35 | 16 | 35 | 24 | 68 | 28 | 79 | 100 | 200 | 130 | 230 | 195 | 300 |



- Technical data can be modified without prior advise.

List of parts in FP models, versions for Bio-Fuel

One pump versions FP 10 - FP 570

Motor, flange, coupling, gear pump, overpressure valve, filter in suction side and vacuum meter, rigid pipe connections (steel), mounted in wall fixing frame until FP 120. Above FP 240, angle frame floor deck. Ready electrical assembly, switch, motor protection and connection for Level Switch. For easy connection we recommended SMMR1 level switch for your tank.

Two pumps versions FP 10 - FP 570 ZW

2 motors, flange, coupling, 2 gear pumps, overpressure valve, filter in suction side and vacuum meter, rigid pipe connections (copper), mounted in wall fixing frame until FP 120. Above FP 240, angle frame floor deck. Ready electrical assembly, electrical alternative switch, motor protection, and connection for Level Switch. For easy connection we recommend SMMR1 Level Switch for your tank.

Manufactured and tested under DIN 12.514-1.

For higher viscosities please consult for the suitable FP system specification.

Accessories and adaptations

- | | |
|--|----------------|
| • Special non –ferrous metal free versions upon request. | |
| • Standard motor power ready for viscosities till 38mm ² /s (40°C). For other, please consult. | |
| • Oil failure control system, to protect gears running with an empty tank. | 21000000001500 |
| • Free voltage relay output to control from centralised Building Management System, in kit 3, 4 or 6 signals (2-thermal, motors 1 or 2 ON, low pressure and Leak safety ON). | 21000000000--- |
| • GSM alarm system by SMS messages, or connection to modem. | 28000000000000 |
| • Adaptation of Pressure Group for high pressure, working conditions above 4,5 Kg/cm ² . | 210000000013-- |
| • Leak collector trays with infrared detectors (standard in RL 4 and above). | 2309000000---- |
| • Modifications to adapt to specifically regulated environments (tropicalised equipment or ATEX). | |
| • Solenoid valves with flow limiters, to automate filling in supply tanks for electrical generators. | 2303000005---- |
| • Soundproof sheet cabinets with UNE-25 poly-pyramid foam and lock. Manufactured with no back and made-to-measure for each Pressure Group model. | 2102000000---- |
| • Assembly of Pressure Groups in IP-55 cabinets for outdoor installation with exterior suction and drive pipe couplings, electric connection presses and ventilation grills. | |
| • Line pressure switch to signal low pressure. | 22030000002201 |

