

Frequency Converter Manual

1 Position of the converter



Place the converter with cabinet (case) in such a way that water cannot enter into the cabinet.
Do not close the cabinet during operation.

The converter must be installed vertically to ensure free air circulation around the unit.

Make sure that the cabinet/converter cannot tip during operation.

2 Converter keypad

Before converters leave the factory, they have been programmed for use with the MP 1 pump.

That is why only 3 buttons are used to operate the MP 1 pump.

Switch 1: to start the convertor, after connecting it to the power supply (switch turns hard).

Switch 2: to set the direction of rotation to Forward (FWD) (Function REW is disabled, because this will damage the pump).

Switch 3: to set the speed from 0 to 400 Hz.



Fig. 1 Pump operation switches



Fig. 2 Switch 1 set to ON



Fig. 3 Switch 2 set to FWD



Fig. 4 Switch 3 set to 200 Hz



Fig. 5 Switch 3 set to the max 400 Hz

3 Electrical connection



Before starting work on the pump, make sure that the electricity supply has been switched off and that it cannot be accidentally switched on.

Connection of the MP 1 pump to the converter

Connect the power (motor) cable from the pump with the power/motor cable of the converter.



Never fit or remove the motor cable plug from the converter unless the electricity supply to the converter has been switched off.

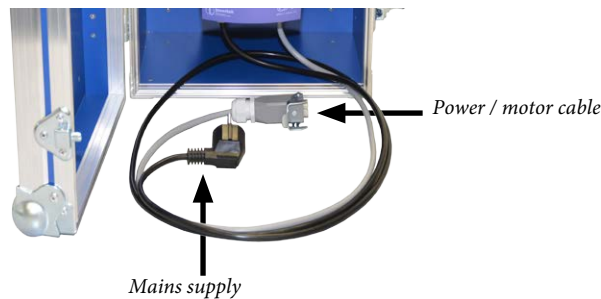


Fig. 6 Converter connections

4 Start-up and operation

Start-up

Switch on the electricity supply when the pump has been installed and connected to the converter.

- Turn switch 1 to ON to start the converter The display shows: StoP (see fig. 2)
- Turn switch 2 to FWD The display shows: H 00 (see fig 3)

Speed control

- Turn switch 3 to in- or decrease the speed. The display shows the actual speed (see fig. 4 and 5)



The MP 1 pump is not designed for continuous operation like for instance remedial pumping. Continuous operation may reduce the life of the pump.