

OPERATING INSTRUCTIONS



Attention, before starting operation, please read this instruction manual and strictly follow the instructions!

TECHNICAL CHARACTERISTICS

- Pump type: diaphragm four-cylinder
- Power supply: DC 9-14.4 V
- Maximum current consumption: 5 A
- Maximum power consumption: 75 W
- Maximum flow rate: 12 l/min
- Dimensions (LxWxH): 210 x 100 x 90 mm
- Weight: 900 g
- Maximum pressure (cut-off): 5 bar / 5 atm / 75 psi
- Maximum temperature of pumped liquid: 70 °C
- Ingress Protection (IP) rating: IP20
- Automatic shut-off when maximum pressure is reached*: Yes

* For temporary shutdown for up to 1 minute, for example when using with a washing gun, for longer shutdown use the switch on the cord.

- Suction (by head difference): 2,5 m
- Lift: up to 50 m
- Power connection: 2,1...2,5 x 5.5 x 10 female
- Fluid connection: 1/2" external thread

CONNECTING THE PUMP TO A POWER SUPPLY

Caution! The pump must be connected to a 9-14.4V DC power source with a minimum current of 7 amps, as the starting current exceeds the rated current (5 amps).

WORK PROCEDURE

1. Remove the transport plugs and install the suction and drain hoses on the pump. Warning! Water may leak from the pump after removing the plugs. The presence of water in the pump is necessary for proper suction operation and remains after the pump has been factory tested.
2. Place the suction hose in the container from which the liquid will be pumped.
3. Place the drain hose in the container to which the liquid will be pumped.
4. Connect the pump to a 9-14.4 V power source.
5. After pumping the required amount of liquid, disconnect the pump from the power source.

POSSIBLE MALFUNCTIONS AND METHODS FOR THEIR ELIMINATION

Problem: The pump is not sucking in liquid.

Troubleshooting: Wet the pump membrane by running a small amount of tap water through the pump by gravity (without suction).

ATTENTION!

1. Do not connect the pump to a power source with a voltage greater than 14.4 V.
2. Do not operate the pump dry, without liquid for a long time.
3. Do not use the pump for pumping hot water (70 °C) or corrosive chemicals such as phenols, acetones, solvents, and acids.
4. Do not use the pump for pumping flammable liquids.
5. Do not use the pump in explosive environments.
6. Do not leave the device unattended during operation.