

OPERATING AND MAINTENANCE MANUAL for peristaltic pump

VARIO D6.0 109547

VARIO PLUS D6.0 – VARIO KLAR R4.5

Please note BEFORE INSTALLATION:

WARNING

FAILURE TO COMPLY WITH THE INSTRUCTIONS LISTED HERE
MAY RESULT IN PERSONAL INJURY;
INCORRECT OPERATION MAY CAUSE DAMAGE TO THE DEVICES

—

BEFORE INSTALLATION, DISCONNECT THE PUMP FROM THE MAINS BY
REMOVING THE MAINS PLUG!

Repair work on the pumps may only be carried out by the
manufacturer or qualified electricians.
No liability is accepted for non-compliance.

VARIO PLUS D6.0

The dosing pump can be connected to the solenoid valve, to the main switch or in parallel to the machine's washing pump. The connection is made to positive, negative and protective earth.

CAUTION: *Never connect the dosing pump directly to the washing pump (overvoltage possible!).*

First read the label on the pump. Ensure that:

- the delivery hose material is compatible with the dosing fluid;
- Important: the temperature of the hose material must be at least >18°C!
- the voltage matches the specification;
- the pressure at the injection point is lower than or equal to the nominal pressure (max. 1 bar) of the pump;
- the suction hose is inserted into the container;
- the suction hose is connected to the suction connection of the pump (marked with "<>," on the cover) and pushed up to the pump housing;

- the pressure hose is connected to the pressure connection of the pump (marked with "><," on the cover) and pushed up to the pump housing;
- the pressure hose is connected to the basin inlet (tub inlet must be sealed!) or to the non-return valve (if installed)

INSTALLATION INSTRUCTIONS

Suction height: Maximum 4.0 m
Max. back pressure: 1 bar

Installation of the hose pump:

- Individual; hose connection nozzle vertically downwards if possible.
- Using the screw-on bracket at the top on a horizontal surface or
- on the stainless steel mounting bracket (optional) Sensor

installation:

- Install the 2-contact sensor on the opposite side of the filler neck in the tank
- Do not install the sensor near the heater in the tank (measurement error!)
- Please observe the pump location instructions (see supplementary sheet).

Installation of the conductivity-controlled dosing pump VARIO PLUS

D6.0 The following procedure must be observed:

- Clean the tank by rinsing it at least three times without adding any chemicals.
- Fill the tank with fresh water.
- Manually add the cleaning chemical in accordance with the ratio specified by the chemical manufacturer (approx. 2-3 g/l).
- Mix the resulting "water-cleaner" mixture thoroughly.
- Titrate if necessary (to achieve the exact mixing ratio).
- Start the machine programme.
- Turn potentiometer B until the pump starts pumping; now turn the potentiometer anticlockwise until the pump stops.
- The setpoint value is reached at the exact point where the pump stops (just before it starts rotating again).
- Potentiometer A indicates the following pump status:
 - Green: Pump is dosing
 - Orange: Pump is not delivering

The dosing pump is now adjusted to the setpoint conductivity value.

Changing the pump hose:

- Please note that the function of the pump is only guaranteed when using original spare parts from PLAS-CONT.

THE PUMP MUST BE SWITCHED OFF (on/off switch) BEFORE INSTALLATION WORK!

Removal:

- Remove the protective cover
- Position the roller carrier so that the two rollers are vertical.
- Remove the connector to the left of the pump from its seat, pull the hose upwards, turn the roller bracket clockwise by hand until the connector to the right of the pump can also be pulled out.

Installation:

- Position the roller support so that the two rollers are horizontal.
- Insert the connector to the left of the pump with the straight surface facing upwards.
- Press the hose firmly into its seat, turn the roller bracket clockwise by hand until the connector to the right of the pump can also be pushed in:
- Install the protective cover

VARIO D6.0 – VARIO KLAR R4.5

The dosing pump can be connected to the solenoid valve or in parallel to the machine's washing pump. The connection is made to the positive, negative and protective earth terminals.

CAUTION: Never connect the dosing pump directly to the washing pump (voltage surges possible!).

First read the label on the pump. Ensure that:

- the delivery hose material is compatible with the dosing liquid;
- Important: the temperature of the hose material must be at least >18°C!
- the voltage corresponds to the specification;
- the pressure at the injection point is lower than or equal to the nominal pressure (max. 1 bar) of the pump;
- the suction hose is inserted into the container;
- the suction hose is connected to the suction connection of the pump (marked with "<<" on the cover) and pushed up to the pump housing;
- the pressure hose is connected to the pressure connection of the pump (marked with ">>" on the cover) and pushed up to the pump housing;
- the pressure hose is connected to the basin inlet (bathtub inlet must be sealed!) or to the non-return valve (if installed)

INSTALLATION INSTRUCTIONS

Suction height:	Maximum 4.0 m
VARIO D6.0:	Max. back pressure: 1 bar
	Hose material:
Norprene VARIO KLASR R4.5	Max. back pressure: 3 bar
	Hose material: Silicone

Assembly of the hose pump:

- Individual; hose connection nozzle vertically downwards if possible.
- Using the screw-on bracket at the top on a horizontal surface or on the stainless steel mounting bracket (optional)