

Bevi Profi 150/180

Operating Instructions



BeviClean®
WIR MACHEN ALLES KLAR

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1. Safety Instructions

1.1 General safety instructions

- Check the device for transport damages upon receipt
- Observe the operating instructions and always keep it next to the equipment
- It must be excluded that unauthorised persons operate the equipment
- Install the equipment to instructions and do only use as described in these instructions
- Pay attention not to exceed the operating pressure of 4 bar in standard mode
- It is prohibited to remove safety devices such as e.g. overload protection
- It is only allowed to switch the system on after all connections are correctly connected
- Cleansing agents are aggressive and can produce injuries. Observe the safety data sheets
- Secure the dispensing equipment during the cleaning against use
- Only authorised personnel is allowed to replace original spare parts according to BGVA3 and VDE 0701/702
- We do not accept any liability for damages caused by use of not original parts and accessories, or due to inappropriate handling



1.2 Safety information electricity

- Unauthorised intervention in the electricity can produce an electric shock, which might be fatal or cause serious injuries!
- Before cleaning works on the equipment or in the proximity of the equipment, it is required to pull the mains plug. The equipment is supplied with a two-pin earthed plug and is only allowed to be connected to earthed type F sockets



2. Scope of Supply

- Bevi Profi 150/180
- Intake hose with sieve
- Drain hose
- Connecting hose for dispenser tap
- Cleaning sponge, 7 and 10 mm (10 VE each)
- Sample bag Bevi Power Plus (2 pieces)
- Grease for valves
- Operating instructions

3. Operating Instructions

3.1 Designated use

- Bevi Profi is appropriate only for chemo-mechanical full cleaning of beverage lines
- Observe information from the manufacturer of equipment and cleansing agent



3.2 Connection

- Plug in the plug and switch the earth leakage circuit breaker (6) on
- Have an intermediate container (bucket) with water ready
- Place the intake hose of the equipment (13) into the bucket and place the drain hose (5) into the drain and fasten it
- Remove compensator tap or piston tap and use corresponding cleaning adapters
- Connect connecting hoses Bevi Profi (4) with the beverage lines and establish circuit (readiness for operation)

3.3 Re-rinsing with water

- Detach the adapter sight-glass from the housing by slightly turning it to the left, place a cleaning sponge, and fasten again
- Position the three-way valve (15) with the handle downwards
- Open the cut-off valve (8) and connect pump (10) and relay (11) (sponge moves with fresh water through the beer lines for flushing out accumulations of grime and beverage residues)
- After the sponge has passed 2 times switch the pump off

3.4 Chemo-mechanical full cleaning

- Prepare lye in a bucket and pay attention the the powder products completely dissolve (observe information of the cleansing agent manufacturer)
- Connect the pump (10)
- Drain the fluid from the beverage line into the drain until cleaning fluid comes out
- Then place the drain hose (5) into the bucket
- Recirculate the sponge in alternating cycle for about 15 minutes (takes place automatically)
- Briefly switching the pump (10) off during the recirculation intensifies the cleaning effect
- Switch the pump off (10) for terminating the cleaning process
- For industrial cleaning use Bevi Liquid or Bevi Power Plus, for maintenance cleaning Bevi Power alkaline or acid

3.5 Re-rinsing

- For re-rinsing use a new sponge
- Remove the cleansing agent from the bucket and fill with fresh water
- Place the drain hose (5) into the drain
- Connect the pump (10)
- Recirculate the fresh water with the sponge for about 5 minutes
- After sufficient rinsing, the sponge is captured again by means of the shut-off valve (8), and the pump is switched off
- Pay attention that the equipment is free from cleansing agent, check e.g. with pH indicator paper



3.6 Cleaning without pump

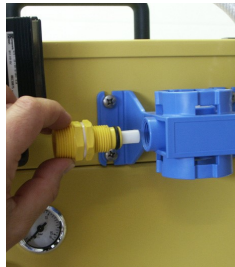
- Connect the equipment as described in 3.2
- Move the three-way valve (15) upwards and connect it with fresh water
- Detach the adapter sight glass (7) by slightly turning it to the left, place the cleaning sponge (observe line diameter), and fasten again
- Open the water valve
- Close the water valve after the sponge has passed 2 times
- Possible beverage residues and accumulation of grime are flushed out of the system
- Detach the adapter sight glass, add to the sponge a Bevi Tab placing it flat (see Fig. 1), and fasten again
- Open the water valve
- When using Bevi Tab, close the water valve after the cleansing agent and sponge have reached the opposite adapter sight glass
- Let it act for 15 to 30 minutes
- Open the water valve and rinse sufficiently
- After sufficient rinsing, the sponge is captured again by means of the shut-off valve (8), and the water valve is closed
- Pay attention that the equipment is free from cleansing agent, check e.g. with pH indicator paper

4. Cleaning and Service

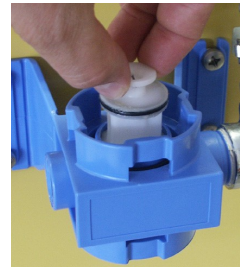
- Clean the intake hose sieve in regular intervals
- Decalcify the pump in regular intervals
- Disinfect inside and outside of the equipment in regular intervals, e. g. with Bevi Desinfect (Attention: do not use alcohol-containing agents)
- Lubricate piston



1. Detach the adapter sight glass from the valve



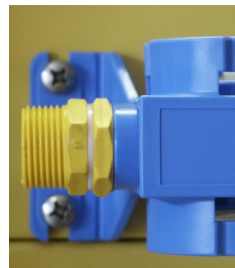
2. Unscrew the yellow water intake nozzle



3. Take the white change-over piston out



4. Lubricate the O-ring with grease for valves, and place the piston with the bore holes side-by-side towards the water intake side



5. Screw the yellow water intake valve in up to limit stop



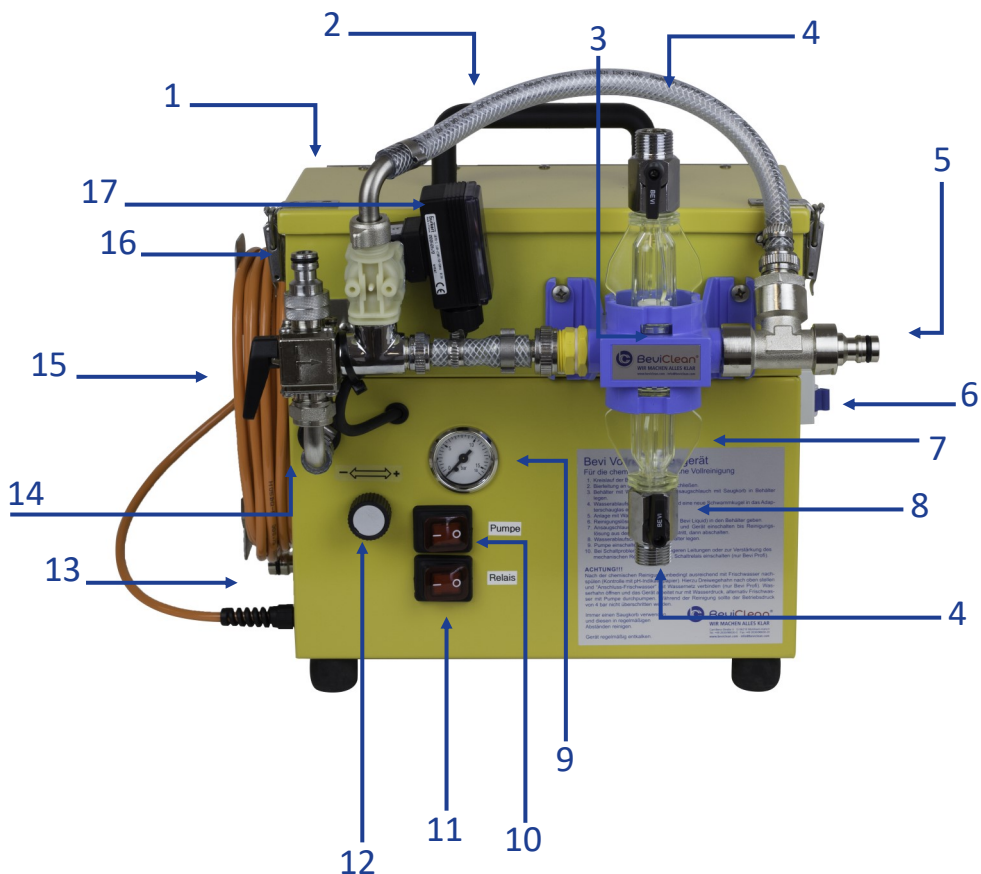
6. Fasten the adapter sight glass at the valve again

5. General Information

- During cleaning the pressure manometer (9) indicates the height of the backwater pressure (normally at approx. 1 to 4 bar, depending on length of line and cross-section)
- In extreme cases (very contaminated lines or stuck sponge) set the pressure briefly up to 15 bar or 18 bar by means of the pressure regulation (12)
- If necessary, change the direction of the sponge by shifting the change-over piston by hand
- The switching relay ensures secure change of direction and assists the cleaning by the pulsing pressure increase and decrease (16)
- The equipment does not have a thermal circuit breaker switching off at overload
- Protect the equipment against temperatures below freezing point (risk of freezing and destruction of the pump)
- Do only use customary cleansing agents (e. g. Bevi Power, Bevi Liquid)
- When operating the equipment properly the warranty for components is of 1 year



6. Illustration and Components



No.	Denomination
1	Tool box
2	Carry handle
3	Automatic change-over valve
4	Beer line connection
5	Water drain
6	Earth leakage circuit breaker
7	Adapter sight glass
8	Shut-off valve
9	Pressure manometer

No.	Denomination
10	Pump switch ON/OFF
11	Switching relay ON/OFF
12	Pressure regulation
13	Pump intake connection
14	Pump pressure hose
15	Three-way valve
16	Three-way valve
17	Switching relay

7. Spare Parts

Item no.	Component Bevi Profi 150/180
88240102	Manometer, 16 bar
88240161	Earth leakage circuit breaker, 30 ma
88010114	Line with underlayer of fabric 10/3
88240116	Screw-in socket, angle 3/8"
88120116	Adapter sight glass, 10 mm
88120108	Shut-off valve, 5/8" IA
88240137	Sieve, 1/2"
88120106	Gasket, 33x3 mm
88240127	Bow-type handle, foam coated
88240111	Switch, 4 poles
88120119	Valve housing, POM blue
88120131	Valve housing complete, 7/10mm
88120122	Valve nozzle, self-adjusting
88120117	Piston, POM natural
88240233	Connector plug AG G3/8"
88240236	Valve plug G3/4"
88240237	Hose piece, 1/2"
88240239	Three-way valve, 10 mm
88240227	Adjusting knob, solo
88240230	Fresh-water connection
88500101	Solenoid valve DN 10 2/2-way, type: 1.010.126,
	Execution as Profi 150
88240107	Motor 180 W, 230 V, 50 Hz
88240106	Pump 411, 15 bar
	Execution as Profi 180
88240167	Motor 245 W, 230 V, 50 Hz
88240166	Pump 611, 16 bar

8. Technical Information

8.1 Bevi Profi 150

- Item No.: 88.212.000
- Connection voltage: 230 V/50 Hz
- Power consumption: 187 W
- Speed: 1,500 min⁻²
- Pump capacity: up to 460 l/h
- Weight: 9 kg
- Measures: 290x330x250 mm (HxWxD)
- Self-priming rotary vane pump made of stainless steel
- Continuous pressure regulation up to 15 bar

8.2 Bevi Profi 180

- Item No.: 88.213.000
- Connection voltage: 230 V/50 Hz
- Power consumption: 245 W
- Speed: 1,500 min⁻²
- Pump capacity: up to 680 l/h
- Weight: 10 kg
- Measures: 290x330x250 mm (HxWxD)
- Self-priming rotary vane pump made of stainless steel
- Continuous pressure regulation up to 18 bar



BeviClean strives for continuous improvement and reserves the right to up-date or change technical data without prior notice.



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