

# INSTRUCTIONS FOR USE SODA MACHINES



## General instructions and precautions:

When using the machine be sure to follow the basic safety precautions. These machines are design to produce carbonated water from H<sub>2</sub>O and CO<sub>2</sub>, and also to cool water, optionally beverage . The temperature of the water and soda water is adjustable by the thermostat in the range between 4 °C - 10 °C.

**DO NOT USE FOR ANY OTHER PURPOSES THAN INTENDED BY THE MANUFACTURER!**

## General safety rules.

The supplier shall not be liable for any damage caused by activities carried out on this equipment without following these instructions.

### CAUTION:

Before connecting the main power supply, check that the voltage and frequency corresponds to the specifications of the machine.

### CAUTION:

Make sure that the socket outlet to which you are connecting the cooling machine is provided with a sufficient breaker (16A according to type) according to ČSN 33 1500.

### CAUTION:

Before any cleaning or maintenance, always unplug the machine from the power supply: Put the main switch (thermostat) to position "0" and pull out the plug.

### CAUTION:

Never put tools or other objects into the fan blades.

### CAUTION:

Never touch electrical parts with wet or damp hands.

### CAUTION:

To ensure the performance of the cooling machine, never block the air inlet.

**DO NOT USE FOR ANY OTHER PURPOSES THAN INTENDED BY THE MANUFACTURER!**

## Installation and location:

Stand the cooling machine on a solid surface in a horizontal position before the first connection and leave it for about 2 hours to stabilize with the ambient conditions.

### CAUTION:

**COOLER MUST NOT lay on its side EVEN FOR TRANSPORTATION.**

Use the machine preferably in a well ventilated room. The machine **MUST NOT BE** used or stored at temperatures below 0 °C.

The machine is intended for use in a normal environment according to ČSN 33 2000-3 norm and is classified in a climatic class N.

**THE MACHINE SHOULD NOT BE NEAR ANY HEAT SOURCES OR EXPOSED TO DIRECT SUNLIGHT.**

For proper operation, it is important not to obstruct any ventilation openings.

### Warning:

The electrical equipment must be revised and the dates checked according to CSN 33 1600 norm by knowledgeable and authorized person.

## RECOMMENDED SETTINGS

### 1. Setting of water supply:

Water pressure should be constant and must not exceed 3.0bar

### RECOMMENDATION:

Install a pressure reducer for water

**2. Setting of Co<sub>2</sub>:** Set the Co<sub>2</sub> pressure reducer to 4bar (max. up to 4.5bar). The amount of Co<sub>2</sub> pressure affects the saturation.

### 3. Temperature:

Adjust the temperature of cooled beverage by the mechanical thermostate in the range 4 °C to 10 °C. The thermostat has a numeric scale from 1 to 7.

(Except the SODA ELEGANCE where the temperature is set automatically)

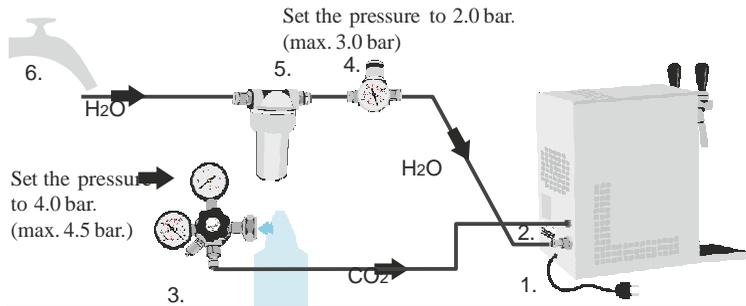
**0 = off**

**No.1** = maximum temperature of the beverage 10 °C  
**No.7** = minimum temperature of the beverage 4 °C



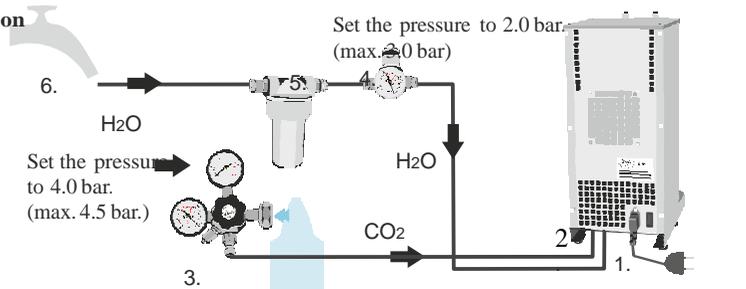
**SODA ELEGANCE BASIC connection**

1. Water inlet
2. Inlet of CO2
3. Pressure reducer CO2
4. Pressure reducer for water
5. Water Filter
6. Water mains connection (drinking water)



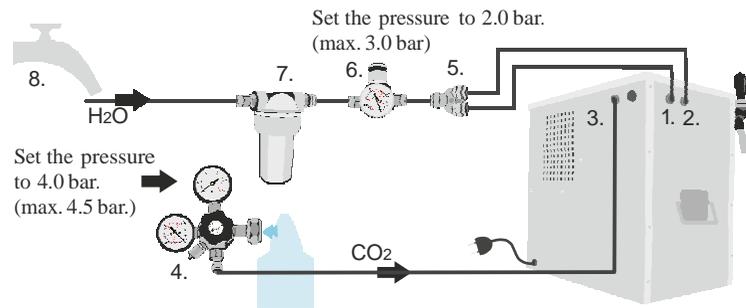
**SODA ELEGANCE connection**

1. Water inlet
2. Inlet of CO2
3. Pressure reducer CO2
4. Pressure reducer for water
5. Water filter
6. Water mains connection (drinking water)



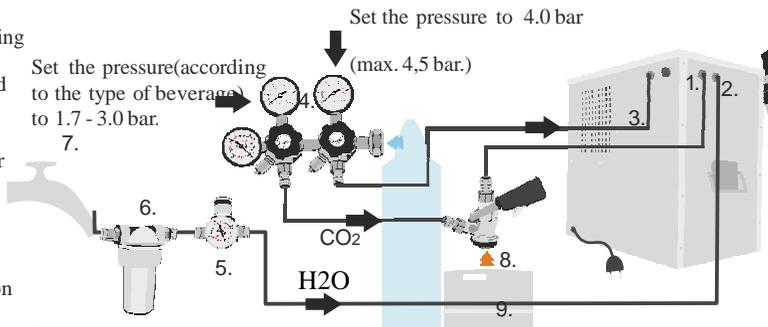
**SODA Elegance Basic-45 connection A: Application for Soda water/ Cold water**

1. Water inlet for chilling
2. Water inlet for production of carbonated water
3. Inlet of CO2
4. Pressure reducer for CO2
5. Divider
6. Pressure reducer for water
7. Water filter
8. Water mains connection (drinking water)



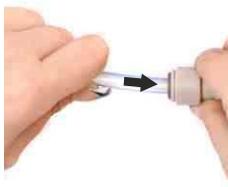
**SODA Elegance Basic-45 connection B: Application for Soda / beverage**

1. Beverage inlet for chilling
2. Water inlet for production of carbonated water
4. 2-way pressure reducer for CO2
5. Pressure reducer for water
6. Water Filter
7. Water mains connection (drinking water)
8. Dispense head
9. Beverage



### How to work with fittings:

1. Take the plastic fitting and insert the hose into the body of fitting till it stops. The tube should be cut straight to avoid faulty connection.



### Disassembly of the fittings:

2. Hold the gray ring towards the body of the fitting and pull the tube out.



### First start:

1. Check the connection of water and Co2 (as shown in picture, page 7).
2. With SODA AS-45, fill the cooling tank with clean water.
3. Connect the machine to the electrical network.

### 4. Turn on the machine:

- a) by switch (SODA ELEGANCE models and SODA ELEGANCE AS-45)
  - b) by thermostat (model SODA ELEGANCE BASIC)
5. Set the thermostat to the required temperature.

### Recommended accessories:

1. Pressure reducer CO2 1-way or 2-way.
2. Water filter (for applications where there is an unstable water pressure)
3. Water pressure reducer
4. Tubes and fittings

### Assembly of a water pressure reducer:

1. Regulator MRA 1/4-8mm (SL 2000) is recommended for applications with unstable water pressure.
2. Fitting JG M 1/4 x 9.5mm
3. Mamometer D 40mm, 0-10 bar. The back one.



### WARNING!

Follow the direction of water supply. (According to the arrows on the valve.) Set the pressure to 2 bar. Maximum 3 bar.



MODEL/ TECHNICAL DATA	SODA ELEGANCE BASIC	SODA ELEGANCE	SODA ELEGANCE -45
Output (lit./hour) To 0°C/ Tk50°C	20l/ h.	20l/ h.	45l/ h.
Power in HP	1/8	1/8	1/5
The minimum temperature of the beverage	4°C	4°C	4°C
number of chilled beverages	2	2	2
Power	230V/ 50Hz	230V/ 50Hz	230V/ 50Hz
Time required for cooling	2-4 min.	2-4 min.	2-4 min.
Refrigerant	R - 134a	R - 134a	R - 134a
Weight	20.0 kg	17.0 kg	25.5kg
Current	1.90A	1.90A	1.27A
Power input	437W	437W	292W
Dimensions of shell (width)	180mm	215mm	440mm
Dimensions of shell (height)	420mm	480mm	430mm
Dimensions of shell (depth)	300mm	265mm	270mm

## Before calling for service:

Fault	Cause	How to fix it
The soda water does not flow..	Pressure at the inlet has exceeded 3.0 bar.	Reduce the pressure on the water valve to 2.0 bar. -Max 3.0 bar.
	No water supply to the water tap.	Open the valve on the water tap.
	Inlet of pressure of Co2 is not open.	Open and check the inlet pressure CO2 on the cylinder and adjust the pressure of CO2 to 4.0 to 4.5 bar.
	Water filter blocked.	Restart the machine by switching off the switch and then switching it back on or unplugging the power cord 230V. Again reconnect! Check or replace the water filter.
The beverage is chilled only a little.	Wrong setting of the thermostat. Bad air circulation.	Turn the thermostat knob clockwise to No. 7 Make sure the condenser plate are not clogged.
	The machine overheats.	Place the machine to a cooler surroundings.
The tap twitches, drink shoots out.	The high pressure on the chilled beverage is too high.	Reduce the pressure.
The fittings do not seal properly.	Poorly inserted tube.	Pull out the tube, check to see if there are not any sharp edges, possibly shorten with knife.
	Scratches on the hose.	Pull out and shorten for about 2cm.

## Environmental Protection.



### Sorting waste.

This product must not be disposed with a household waste.

If you won't use the Soda water cooler anymore, do not dispose this product with a household waste. Make this product available for separate collection.



Separate collection allows the recycling and reuse of used products and packaging materials. Local regulations may provide for separate collection of domestic home appliances in local centers or at point of purchase.