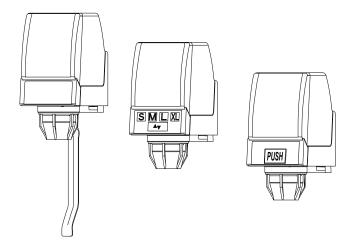
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Operator manual



Dispensing valve

SFV1



Legal notice

Operator manual (Original)

Document no. TD2005000

Dispensing valve SFV1 portion control: Part number: 620608763 SFV1 push button: Part number: 620608762 SFV1 dosing lever: Part number: 620608761

SFV1

Version Date of issue: 15.03.2019 Revision status: Index 0

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Obligation to preserve records

Please keep this Operator Manual and the Declaration of Conformity in a safe place and transfer them to the subsequent owner/operator if the dispensing valve is transferred or sold. If you lose the Operator Manual or the Declaration of Conformity, you can download them from the website below or request a printed copy from the address below.

(Cornelius)

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1

1.1 Intended use

By using the unit as intended you will not only protect yourself, but also prevent damage occurring to the dispensing valve and its components!

Dispensing valves from the SFV1 series (referred to as "dispensing valve" in the following) are intended for use as dispensers of non-alcoholic beverages and their basic ingredients.

The dispensing valve is only suitable for installation on a base unit. Installation is to be carried out by an expert in compliance with all of the specifications given in the installation and service manual: see the document "Dispensing valve installation and service manual". document no. TD2005100.

The unit may only be operated in the specified ambient conditions, see chapter 3.7.

In particular, intended use means that you will carry out all activities with and on the dispensing valve to the specifications provided in this document.

This dispensing valve is only to be operated by those who meet the requirements set out in this document; see chapter 1.3.2.

Work on the dispensing valve and its components not included in the activities described in this document may only be performed by experts; see chapter 1.3.3.

1.2 Improper use

Improper use of the dispensing valve, and unauthorised modifications to the dispensing valve and its components may cause personal injury and equipment damage for which Cornelius Deutschland GmbH shall assume no liability. Improper use of the dispensing valve is prohibited.

The following in particular is regarded as improper use:

- Use by persons (including children) with physical, sensory or mental disabilities or those with insufficient experience and knowledge, unless they are supervised by a person responsible for their safety, or this person has instructed them in the use of the unit.
- Use, operation and maintenance by children under 8 years.
- Children are not to play with the dispensing valve. Cleaning and maintenance work must _ not be carried out by children unattended.
- Use by those under the influence of medication, alcohol, drugs or other substances which impair their physical, sensory or mental abilities.
- Operation below the minimum and above the maximum ambient temperature (for minimum and maximum temperatures, see chapter 3.7).
- Operation of the dispensing valve by untrained staff.
- Carrying out cleaning and other types of maintenance work on the dispensing valve which contradict this document or are not included in it.



Safety

1.3 Staff

1.3.1 Operator

The operator is the natural or legal person who uses the dispensing valve or on whose behalf the dispensing valve is used. The operator must ensure that the dispensing valve is only used as intended, in observance of the safety instructions set out in this document.

The operator must ensure that all users read and understand the safety information. The operator is responsible for the planning and proper implementation of regular safety inspections and maintenance work.

With regard to operating the dispensing valve, Cornelius Deutschland GmbH recommends observing the national regulations of the country of use which govern the operation of beveragedispensing systems.

1.3.2 User

The operator specifies who will operate this dispensing valve. Cornelius Deutschland GmbH recommends the following:

- If this dispensing valve is only to be operated by employees, they are to be instructed in its use, demonstrate their abilities to use it to the operator or their authorised representative, and be expressly charged with its use. This document is to be available to staff at all times.
- If this dispensing valve is openly accessible and installed so that untrained staff can use it, the operator is to provide instructions for use directly at the base unit; these must be clearly understood by this group of people, therefore ensuring that the unit will be handled safely.

1.3.3 Expert

An expert in terms of this document refers to someone who has the relevant training, experience and information and knowledge of relevant standards, laws, regulations, accident prevention regulations, generally accepted safety-related regulations and operating conditions to be able to perform the required activities as well as recognise potential risks and avert them. For assignments requiring expert knowledge, e.g. in electrical engineering, mechanics or fluid technology, only skilled workers with the right qualifications are to carry these out.

An expert must also have received technical training in the specific special features of Cornelius products. The assigned tasks are always to be carried out in compliance with the relevant installation and service manual for the dispensing valve concerned; see the document "Dispensing valve installation and service manual", document no. TD2005100.



1.4 Presentation of warnings

The classification of warnings is based on ISO 3864-2 and ANSI Z535.6, using the key terms of $^{1}\,$

- "Danger", "Warning" and "Caution" in the case of personal injury,
- "Attention" in the case of equipment damage and
- "Notice" to impart general information.

This document classifies and presents the various pieces of safety information as follows:



DANGER!

marks a danger with a **high risk**², which will result in serious injury or death if not avoided.



WARNING!

marks a danger with a $medium risk^2$, which may result in serious injury or death if not avoided.



CAUTION!

marks a danger with a **low risk** 2 , which may result in minor to moderate injury if not avoided.



ATTENTION!

marks a potentially damaging situation in which the product or objects may be damaged if not avoided.



NOTICE!

marks tips for use and other particularly useful information that may not be recognised at first glance.



SAFETY INFORMATION!

marks safety information which must be observed in the stated operating situation.

¹ Not all of the following key terms need to be used in this documentation.

² Risk = extent x likelihood of occurrence

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1.5 Safety information

Any work on the dispensing valve and its components which goes beyond the operation and servicing and maintenance that the operator is authorised for, may only be performed by **experts** (for a definition of experts, see chapter 1.3.3). Furthermore, it is crucial that when performing work on the dispensing valve all safety information is observed; this information is set out in the following sections. Some of the tasks may have additional safety information which highlights the specific dangers or hazards associated with such work.

1.5.1 Disclaimer of liability and warranties

If work is undertaken on the dispensing valve which is not described in this document, Cornelius Deutschland GmbH shall not assume any liability for any resulting hazards and damages. The same applies to described work which is partly or not fully performed in compliance with the regulations set out in this document.



WARNING!

Risk of personal injury and equipment damage due to improperly executed work!

Improperly executed work at the dispensing valve will cause dangers to persons and damage to the unit.

Have all work at the dispensing valve carried out by Cornelius Deutschland GmbH or by a service partner.



WARNING!

Risk of personal injury and equipment damage due to the use of nonapproved spare parts and accessories!

Using spare parts and accessories that are not recommended by the manufacturer may lead to personal injury and equipment damage.

 For your own safety and to protect your warranty, only use original spare parts.



1.5.2 Safety information to prevent personal injury and equipment damage

Please always observe the following safety information in order to prevent personal injury occurring:



DANGER!

Risk of death from electric shock!

Touching live electrical parts will result in a risk of electric shock! • Do not carry out any work on the electrical system.



WARNING!

Risk of personal injury and equipment damage due to improper operation!

Risk of death from improper operation!

- Make sure that only users who are users as defined in the user section use the dispensing valve; see chapter 1.3.2.
- Children must be supervised to ensure that they do not play at or with the dispensing valve.

NOTICE!

In particular, safety standards are to be observed in their scope of validity (e.g. EN 60335-2-75).

2 Handling the dispensing valve prior to installation

2.1 Unpacking the dispensing valve



NOTICE!

Cornelius Deutschland GmbH is not responsible for damaged deliveries. If any damage is found, all packaging material is to be kept and the freight carrier is to be contacted. If the freight carrier is not contacted within 48 hours of receipt of delivery, the warranty claim might be rendered void.



NOTICE!

The dispensing valve is thoroughly checked ex works before being shipped. The freight carrier has confirmed and acknowledged receipt. All damage or irregularities are to be noted at the time of delivery and reported immediately to the freight carrier delivering. Please request a written inspection report from the claims inspector to substantiate any claim.

- Inspect the cardboard box and make a note of any damage however minimal this may seem. If the cardboard box is damaged, please make a note of the following on the copy of your freight invoice: "exterior cardboard box damage – concealed damage possible". Please contact the freight company immediately.
- 2. Open the cardboard box, packaging material and plastic bag in which the dispensing valve is packed. Check the dispensing valve thoroughly for damage and to make sure it is complete in accordance with table 2-1.
- 3. Remove the packaging material from the top of the dispensing valve.
- 4. Check the dispensing valve cladding and make sure that there are no scratches, dents or other superficial defects.
- 5. Make sure that the glass or plastic has no scratches or cracks.
- 6. Open the package with the loose individual parts and check all parts for damage and completeness. Check that the received parts correspond with the packing list and make sure that you have received all parts.

| No. | Description | Qty/amount |
|-----|--|------------|
| 1 | Operator manual, and installation and service manual | 1 |
| 2 | Dispensing valve | 1 |

Tab. 2-1 Cardboard box content

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2.2 Storage

Avoid excessive temperature fluctuations as condensate may form, which in turn may cause damage to the dispensing valve or to its components.

The permissible storage temperature is -10 °C to +50 °C.

The acclimatisation period is 6 hours.



ATTENTION!

Damage due to improper storage!

Dirt or moisture entering a dispensing valve, as well as certain weather conditions (e.g. condensate forming in the dispensing valve, sunlight) will cause damage to the dispensing valve and its components.

- Protect the dispensing valve and its components by storing the dispensing valve in a clean and dry place, and by ensuring stable ambient conditions.
- If possible, store the dispensing valve in its original packaging. Unpacked dispensing valves must be covered with a dustproof cover. No condensate must form under the cover.



ATTENTION!

Risk of electrostatic charge!

Improper handling or storage may result in electrostatic charges.

- If possible, store dispensing valves and/or any electronic components in their original packaging.
- Keep dispensing valves and/or electronic components away from charged objects, fields and insulators.
- Avoid electrostatic charges when removing packaging and/or handling electronic assemblies and components by working at an ESD-protected workstation or work area.
- When working at the unit or its components, wear a grounding (antistatic) wrist strap at the very least and wear antistatic gloves if necessary.



ATTENTION!

Component damage due to material ageing!

Material can age due to long storage periods, thereby affecting the material's properties (e.g. plastics and seals may become brittle). The properties of lubricants may change due to long storage periods.

 Check the assemblies and components for damage before each use/ before installing them. Do not install assemblies or components that show visible signs of ageing.

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2.3 Transport and packaging

Choose a suitable packaging when returning the dispensing valve itself or one of its components to Cornelius Deutschland GmbH, e.g. for repairs. In particular, make sure that the dispensing valve and any components are protected from shock/impact, moisture, dirt and electrostatic discharge (ESD). This will prevent transport damage to the dispensing valve and to the components, for which the manufacturer shall assume no liability.



ATTENTION!

Component damage due to freezing liquids!

Ambient temperatures that are below freezing will lead to the freezing of any water or cleaning agent residue remaining inside the dispensing valve. This will lead to damage to internal components.

 Before shipment, storage or relocation, the dispensing valve is to be cleaned and the cleaning solution is to be fully drained from the dispensing valve.

2.4 Disposal

Disposal of the dispensing valves must be carried out in compliance with the applicable local and/or national and international regulations. Units must not be disposed of with household waste.

If the dispensing valve contains fuels or lubricants in liquid, paste-like or gaseous form, such as oil, grease, cooling agents etc., such fuels or lubricants are to be collected using appropriate measures and disposed of in compliance with the applicable local and/or national and international regulations. Such fuels or lubricants must always be prevented from seeping into the ground, the sewage system and any bodies of water, and must always be prevented from entering the atmosphere.

3 Description

The dispensing valve SFV1 is available in the following designs:

- Dispensing valve SFV1 portion control, see chapter 3.1.
- Dispensing valve SFV1 push button, see chapter 3.2.
- Dispensing valve SFV1 dosing lever, see chapter 3.3.

For the dispensing valve SFV1 a soda lever is available as an option, which allows dispensing purely of soda, see chapter 4.2.4.

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3.1 Dispensing valve SFV1 portion control

Via the dispensing valve SFV1 portion control, a "TIME BASED" dispensing is possible by actuating the required button, see chapter 4.1.1. The beverage is dispensed for a specified time according to the cup size selected. Four different cup sizes can be programmed for the dispensing valve SFV1 portion control. Please contact your service partner.

Via the dispensing valve SFV1 portion control, "START & STOP" dispensing is additionally possible by pressing the "Start & Stop" button, see chapter 4.2.1.

The dispensing valve SFV1 portion control comprises the following components:

- Fig. 1/1 Control panel
- Fig. 1/2 Dispensing nozzle

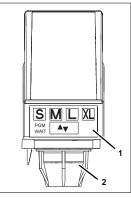


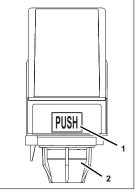
Fig. 1

3.2 Dispensing valve SFV1 push button

Via the dispensing valve SFV1 push button, "START & STOP" dispensing is possible by pressing the "PUSH" button, see chapter 4.2.2.

The dispensing valve SFV1 push button comprises the following components:

- Fig. 2/1 Control panel
- Fig. 2/2 Dispensing nozzle





Description

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3.3 Dispensing valve SFV1 dosing lever

Via the dispensing valve SFV1 dosing lever, "START & STOP" dispensing is possible by actuating the dispensing lever, see chapter 4.2.3.

The dispensing valve SFV1 dosing lever comprises the following components:

- Fig. 3/1 Dispensing nozzle
- Fig. 3/2 Dispensing lever

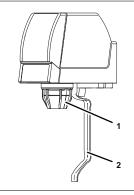


Fig. 3

3.4 Controls

3.4.1 Dispensing valve SFV1 portion control

- Fig. 4/1 "XL" button
- Fig. 4/2 "L" button
- Fig. 4/3 "Start & Stop" button
- Fig. 4/4 "M" button
- Fig. 4/5 "S" button

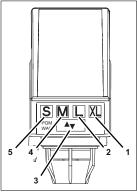
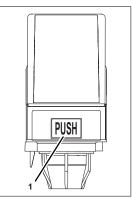


Fig. 4



3.4.2 Dispensing valve SFV1 push button

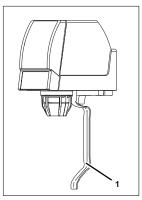
Fig. 5/1 "PUSH" button





3.4.3 Dispensing valve SFV1 dosing lever

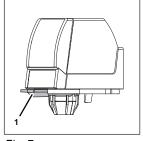
Fig. 6/1 Dispensing lever





3.4.4 Soda lever

Fig. 7/1 Soda lever







3.5 Dispensing nozzle

The beverage components flowing from the valve are fed to the baffle with diffusor in the dispensing nozzle and mixed there. From there, they are poured into the cup via the dispensing nozzle.

The dispensing nozzle comprises the following components:

- Fig. 8/1 Baffle with diffusor
- Fig. 8/2 Outlet nozzle

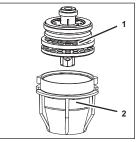


Fig. 8

3.6 Functions within the dispensing system



NOTICE!

The operator manual applicable to the base unit contains the description of how the dispensing valve functions within a dispensing system.

3.7 Technical data

3.7.1 Dispensing valve SFV1 portion control

| Description | Parameter | Value | Unit |
|---------------------|----------------|-------------------|-----------------|
| | Height | 140/5.5 | mm/in. |
| Dimensions | Width | 63.5/2.5 | mm/in. |
| | Depth | 140/5.5 | mm/in. |
| Flow rates | Valve | 1.5 - 3 (45 - 90) | oz/sec (ml/sec) |
| Ambient temperature | | 0 - 60 | °C |
| Humidity | | 20 - 100 | % |
| Dower oupply | Supply voltage | 24 | V AC |
| Power supply | Frequency | 50/60 | Hz |
| Shipping weight | 20 pcs. | 15.4 | kg |

3.7.2 Dispensing valve SFV1 push button

| Description | Parameter | Value | Unit |
|---------------------|----------------|-------------------|-----------------|
| | Height | 140/5.5 | mm/in. |
| Dimensions | Width | 63.5/2.5 | mm/in. |
| | Depth | 140/5.5 | mm/in. |
| Flow rates | Valve | 1.5 - 3 (45 - 90) | oz/sec (ml/sec) |
| Ambient temperature | | 0 - 60 | °C |
| Humidity | | 20 - 100 | % |
| Power cupply | Supply voltage | 24 | V AC |
| Power supply | Frequency | 50/60 | Hz |
| Shipping weight | 20 pcs. | 15.4 | kg |



3.7.3 Dispensing valve SFV1 dosing lever

| Description | Parameter | Value | Unit |
|---------------------|----------------|-------------------|-----------------|
| | Height | 241/9.5 | mm/in. |
| Dimensions | Width | 63.5/2.5 | mm/in. |
| | Depth | 140/5.5 | mm/in. |
| Flow rates | Valve | 1.5 - 3 (45 - 90) | oz/sec (ml/sec) |
| Ambient temperature | | 0 - 60 | °C |
| Humidity | | 20 - 100 | % |
| Power supply | Supply voltage | 24 | V AC |
| Power supply | Frequency | 50/60 | Hz |
| Shipping weight | 20 pcs. | 15.4 | kg |

4 Dispensing beverages



DANGER!

Risk of personal injury and equipment damage due to non-compliance with safety information!

If you fail to observe the safety information, you risk creating operating conditions at the dispensing valve which may cause personal injury or damage to equipment.

 Please always strictly observe all safety measures and information/instructions, see chapter 1.



NOTICE!

The dispensing valve is installed by the service partner. You will receive initial instruction on how to operate and maintain the dispensing valve. The following describes the operating sequences and will help familiarise you with how the unit works.



NOTICE!

When a product container is empty, this is indicated by soda only being dispensed at the dispensing valve when a beverage is selected.

• Replace the product container, see base unit documentation.



NOTICE!

If you would like to change another beverage, please inform your service partner.

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Due to the different designs of the dispensing valve SFV1 you have several discharge options at your disposal:

- "TIME BASED", see chapter 4.1. This dispensing mode is available for the following dispensing valves:
 - Dispensing valve SFV1 portion control, see chapter 4.1.1.
- "START & amp; STOP", see chapter 4.2.

This dispensing mode is available for the following dispensing valves:

- Dispensing valve SFV1 portion control, see chapter 4.2.1.
- Dispensing valve SFV1 push button, see chapter 4.2.2.
- Dispensing valve SFV1 dosing lever, see chapter 4.2.3.

The dispensed quantity can either be preset or manually controlled (depending on the configuration). Please contact your service partner.

The controls are used for the operation. The beverage is dispensed via the selected dispensing valve by means of a dispensing nozzle located on each dispensing valve, into a cup previously placed on the drip tray of the base unit by the user.

4.1 Dispensing beverages in "TIME BASED" mode

In "TIME BASED" mode, the beverage is dispensed for a specified time according to the cup size selected.

4.1.1 Dispensing valve SFV1 portion control

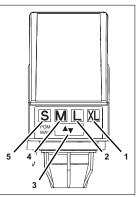
- 1. Place a cup on the drip tray of the base unit and under the dispensing nozzle of the dispensing valve.
- Select the beverage size that fits the set cup by pressing the button for the required beverage size (see Fig. 9) on the dispensing valve.

The beverage is dispensed.

3. If you would like to stop the dispensing process, press the "Start & Stop" button (Fig. 9/3).

Dispensing stops.

- Fig. 9/1 "XL" button
- Fig. 9/2 "L" button
- Fig. 9/3 "Start & Stop" button
- Fig. 9/4 "M" button
- Fig. 9/5 "S" button





4.2 Dispensing beverages in "START & STOP" mode

In "START & STOP" mode, dispensing is initiated by pressing the individual buttons or by actuating the dispensing lever of the different dispensing valves. Dispensing continues until the button is pressed again, or until the dispensing lever is no longer actuated.

4.2.1 Dispensing valve SFV1 portion control

- 1. Place a cup on the drip tray of the base unit and under the dispensing nozzle of the dispensing valve.
- Press the "Start & Stop" button (Fig. 10/1). The beverage is dispensed.
- When the required fill quantity has been reached, press the "Start & Stop" button (Fig. 10/1) again. *Dispensing stops.*

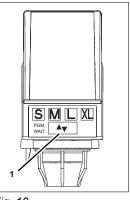
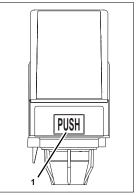


Fig. 10

4.2.2 Dispensing valve SFV1 push button

- 1. Place a cup on the drip tray of the base unit and under the dispensing nozzle of the dispensing valve.
- 2. Press and hold the "PUSH" button (Fig. 11/1). *The beverage is dispensed.*
- When the required fill quantity has been reached, stop dispensing by releasing the "PUSH" button (Fig. 11/1). *Dispensing stops.*





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4.2.3 Dispensing valve SFV1 dosing lever

- 1. Place a cup on the drip tray of the base unit and under the dispensing nozzle of the dispensing valve.
- 2. Push the dispensing lever (Fig. 12/1) backwards with the cup.

The beverage is dispensed.

 When the required fill quantity has been reached, stop dispensing by removing the cup from the dispensing lever (Fig. 12/1).

Dispensing stops.

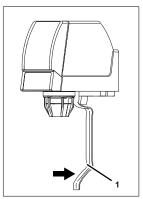


Fig. 12

4.2.4 Soda dispensing (optional)

- 1. Place a cup on the drip tray of the base unit and under the dispensing nozzle of the dispensing valve.
- 2. Press the soda lever (Fig. 13/1) down. Soda is dispensed.
- When the required fill quantity has been reached, stop dispensing by releasing the soda lever (Fig. 13/1). *Dispensing stops.*



Fig. 13



5 Maintenance



DANGER!

Risk of personal injury and equipment damage due to non-compliance with safety information!

If you fail to observe the safety information, you risk creating operating conditions at the dispensing valve which may cause personal injury or damage to equipment.

 Please always strictly observe all safety measures and information/instructions, see chapter 1.

5.1 Maintenance table



NOTICE!

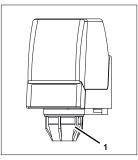
The following table provides information on recommended maintenance intervals to be adapted to the relevant installation situation.

| Interval | Components | Action |
|----------------|----------------------------|--|
| Daily | Dispensing valve, exterior | Perform a visual inspection; see chapter 5.2 |
| Daily | Dispensing valve, exterior | Clean; see chapter 5.3 |
| Daily | Dispensing nozzle | Perform a visual inspection; see chapter 5.2.1. |
| Weekly | Dispensing nozzle | Clean; see chapter 5.3.1. |
| Every 3 months | Diffusor seal | Perform a visual inspection. Please contact your service partner. |
| Every 3 months | Baffle seal | Perform a visual inspection. Please contact your service partner. |
| Every 3 months | Dispensing valve, interior | Clean the valves. Please contact your service partner. |



Visually inspecting the dispensing valve 5.2

- 1. Check the dispensing valve for damage. Always replace any damaged components and parts. Please contact your service partner.
- 2. Check that the dispensing nozzle is properly attached (Fig. 14/1). If necessary, attach it properly to the dispensing valve.
- 3. Check the dispensing valve for leaks. If there are any leaks, please inform your service partner.





5.2.1 Visually inspecting the dispensing nozzle

- 1. Unlock the outlet nozzle by turning it.
- 2. Pull the outlet nozzle with the baffle downwards out of the dispensing valve.

4. Check the outlet nozzle (Fig. 16/2) for damage.

Please contact your service partner. 5. Check the outlet nozzle (Fig. 16/2) for dirt.

Damaged outlet nozzles (Fig. 16/2) must be replaced.

Clean the outlet nozzle (Fig. 16/2), see chapter 5.3.1.

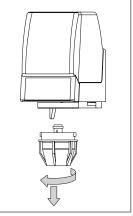


Fig. 15

3. Remove the baffle (Fig. 16/1) from the outlet nozzle (Fig. M 2



16/2).



- Check the baffle (Fig. 16/1) for damage.
 Damaged baffles (Fig. 16/1) must be replaced. Please contact your service partner.
- 7. Check the baffle (Fig. 16/1) for dirt. Clean the baffle (Fig. 16/1), see chapter 5.3.1.
- 8. Insert the baffle (Fig. 16/1) into the outlet nozzle (Fig. 16/2).



NOTICE!

The outlet nozzle is easier to insert into the dispensing valve if it is moistened with water beforehand.

9. Insert the outlet nozzle with the baffle in the dispensing valve.

Making sure that the outlet nozzle is straight.

 Lock the outlet nozzle in the dispensing valve by turning. Make sure that the dispensing nozzle is inserted correctly as otherwise the beverage cannot be dispensed correctly.

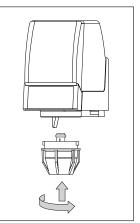


Fig. 17

5.3 Cleaning the dispensing valve

| Required tools/materials | ID/Reference | Qty/amount | Comment |
|--|--------------|------------|---------|
| Gloves | | 1 | |
| Disinfectant for individual nozzle parts | | 1 | |
| Approved cleaning agent | | 1 | |
| Non-abrasive cloth | | 1 | |
| Paper towel | | 1 | |



NOTICE!

Never use abrasive cleaners or oily solvents, and never put the individual parts in the dishwasher, as this may damage the material.

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- 1. Unlock the outlet nozzle by turning it.
- 2. Pull the outlet nozzle with the baffle downwards out of the dispensing valve.

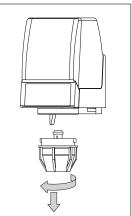
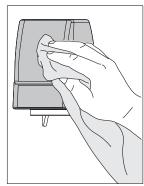
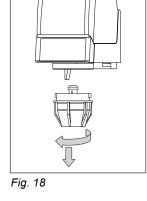


Fig. 19







3. Clean the dispensing valve with an approved cleaning agent.

- a) Clean the surface with a clean, damp cloth first.
- b) Dry the dispensing valve with a paper towel.

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Maintenance



NOTICE! Please use gloves!

4. Clean the dispensing nozzle mount from underneath with a disinfectant.







NOTICE!

The outlet nozzle is easier to insert into the dispensing valve if it is moistened with water beforehand.

5. Insert the outlet nozzle with the baffle in the dispensing valve,

making sure that the outlet nozzle is straight.

 Lock the outlet nozzle in the dispensing valve by turning. Make sure that the dispensing nozzle is inserted correctly as otherwise the beverage cannot be dispensed correctly.

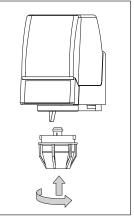


Fig. 22



5.3.1 Cleaning the dispensing nozzle

| Required tools/materials | ID/Reference | Qty/amount | Comment |
|--|--------------|------------|---------|
| Nylon brush | | 1 | |
| Gloves | | 1 | |
| Disinfectant for individual nozzle parts | | 1 | |
| Approved cleaning agent | | 1 | |

R.

NOTICE!

Never use abrasive cleaners or oily solvents, and never put the individual parts in the dishwasher, as this may damage the material.



NOTICE! Please use gloves!

- 1. Unlock the outlet nozzle by turning it.
- 2. Pull the outlet nozzle with the baffle downwards out of the dispensing valve.

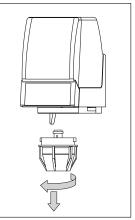
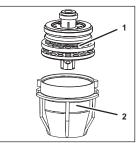


Fig. 23





3. Remove the baffle (Fig. 24/1) from the outlet nozzle (Fig. 24/2).

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5. Clean the diffusor and, if necessary, the seal of the diffusor with warm water and a brush.

4. Clean the outlet nozzle with warm water and a brush.

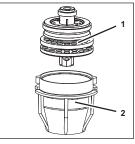
 Insert the baffle (Fig. 27/1) into the outlet nozzle (Fig. 27/ 2).

- Maintenance













NOTICE!

The outlet nozzle is easier to insert into the dispensing valve if it is moistened with water beforehand.



7. Insert the outlet nozzle with the baffle in the dispensing valve.

Making sure that the outlet nozzle is straight.

 Lock the outlet nozzle in the dispensing valve by turning. Make sure that the dispensing nozzle is inserted correctly as otherwise the beverage cannot be dispensed correctly.

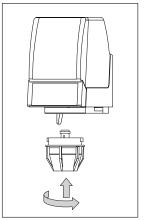


Fig. 28



6 Errors and malfunctions



NOTICE!

All installation, maintenance and repair work at the unit is to be carried out by an expert only.

6.1 Troubleshooting table

| Fault | Probable cause | Remedy |
|-------------------------|--|--|
| Unable to dispense | No mains/power supply connected | Please contact your service part- ner |
| | Button is defective | Please contact your service part- ner |
| | Dispensing lever is defective | Please contact your service part- ner |
| | Valve is defective | Please contact your service part- ner |
| | Microswitch is defective | Please contact your service part- ner |
| | Pull-type solenoid is defective | Please contact your service part- ner |
| | Base unit error | See base unit documentation |
| Beverage is too warm | Base unit error | See base unit documentation |
| Beverage foams for | Soda water is too warm | See base unit documentation |
| all products | CO ₂ feed pressure for the soda cir- cuit is too high on the relevant pressure-reducing valve | Adjust the CO_2 feed pressure to the required value (see documen- tation on the CO_2 system) |
| | Syrup has been stored too long and has had CO ₂ added (stainless steel tanks only) | Connect a new syrup container (see base unit documentation) |
| | Dirty valve | Please contact your service part- ner |



| Fault | Probable cause | Remedy |
|--|---|--|
| Only soda is being dispensed | Syrup container is empty | Connect a new syrup container (see base unit documentation) |
| | Connections on the syrup contain- er are not properly connected | Connect the connections on the syrup container properly (see doc- umentation on the syrup contain- er) |
| | CO ₂ feed pressure for the syrup tube is set incorrectly on the rele- vant pressure-reducing valve | Adjust the CO_2 feed pressure to the required value (see documen- tation on the CO_2 system) |
| | Syrup tube is not connected to the syrup container | Connect the syrup tube (see base unit documentation) |
| | Syrup tube is contaminated | Please contact your service part- ner |
| | Incorrectly set valve on the dis- pensing valve | Please contact your service part- ner |
| | Defective valve on the dispensing valve | Please contact your service part- ner |
| Only syrup is being Base unit error See ba dispensed | | See base unit documentation |
| Soda/syrup ratio is incorrect | Too little/too much soda | Please contact your service part- ner |
| | Too little/too much syrup | Please contact your service part- ner |
| | CO ₂ feed pressure for the syrup tube is set incorrectly on the rele- vant pressure-reducing valve | Adjust the CO_2 feed pressure to the required value (see documen- tation on the CO_2 system) |
| Insufficient amount of CO2 in the bev- erage | CO ₂ pressure for soda is set incor- rectly on the relevant pressure-re- ducing valve | Correctly adjust the CO_2 pressure for soda on the relevant pressure- reducing valve (see documenta- tion on the CO_2 system) |
| | Base unit error | See base unit documentation |
| | CO ₂ supply too low | Change the CO ₂ bottle |



NOTICE!

Crushed ice in the cup may also cause decarbonisation. When the finished beverage comes into contact with sharp-edged ice, CO2 is released from the dispensed drink.



7 Applicable documents

7.1 Handover certificate

1. Name of the place of operation

(Name of the place of operation)

(Street address, house no.)

(Postcode, town)

(Name of the operator)

2. Operator copy

The operator has been instructed in the use of the unit. The unit has been handed over to the operator in good working order and in a condition that is clean and safe to operate.

Date

Stamp and signature Operator Stamp and signature Installer of the unit



3. Installer copy

The operator has been instructed in the use of the unit. The unit has been handed over to the operator in good working order and in a condition that is clean and safe to operate.

Date

Stamp and signature Operator Stamp and signature Installer of the unit



| I have been an affirment that an | |
|---|-------------------------|
| I hereby confirm that on on the following topics: | (date) I was instructed |
| General sequence of operations | |
| Reference to existing documentation | 1 |
| Cleaning the unit | |
| Last name/first name | Signature |
| | |
| Last name/first name | Signature |
| Last name/first name | Signature |
| | Gignature |
| Last name/first name | Signature |
| Last name/first name | Signature |
| | |
| Last name/first name | Signature |
| Last name/first name | Signature |
| | |
| Last name/first name | Signature |
| Last name/first name | Signature |
| | |
| Last name/first name | Signature |
| | |

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| | Signature | | | | | | | | | | | | |
|---|----------------|----------|--|--|--|--|--|--|--|--|--|--|--|
| | Carried out by | | | | | | | | | | | | |
| | Cleaning agent | | | | | | | | | | | | |
| 4 | al agent | acidic | | | | | | | | | | | |
| | | alkaline | | | | | | | | | | | |
| | Component | | | | | | | | | | | | |
| | Date | | | | | | | | | | | | |



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