





Dosing Device Foamdos V6 Massage foam for hammam massages





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1 About these instructions / general

1.1 Scope of applicability

These instructions describe the functioning, installation, commissioning and operation of the FOAMDOS V6 dosing device along with the corresponding accessories.

The Operating Instructions must be read carefully prior to use or any maintenance work, and must be kept in close proximity to the device!

1.2 Target group

Only our authorised partners and people who have been trained in the functioning of the device are permitted to work at the device, provided that they have read and understood these operating instructions. Electrical connection work may only be carried out by appropriately trained specialists!

1.3 Symbols used

This document uses the following types of safety notices as well as general notices:



DANGER!

"DANGER" denotes a safety notice which, if disregarded, may lead to death or serious personal injury!



CAUTION!

"CAUTION" denotes a safety notice which, if disregarded, may lead to minor or moderate personal injury!



ESD SENSITIVE!

"ESD SENSITIVE" denotes electronic components that may be damaged by electrostatic discharges. The generally accepted safety precautions for ESD-sensitive devices must be observed when handling the devices!



ATTENTION!

"ATTENTION" denotes a safety notice which, if disregarded, may lead to material damage or malfunctions!



Tip!

A tip denotes information that may result in improvements in the operating process.

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1.4 Warranty

All devices and systems of the Co. WDT are manufactured using state-of-the-art manufacturing methods and are subject to a comprehensive quality control. However, should there be a reason for complaint, any compensation claims shall be directed to the company WDT in accordance with the general terms and conditions of warranty (see below).

General terms and conditions of warranty

The company WDT assumes a 2-year warranty, starting with the commissioning, up to 27 months after delivery; subject to correct installation and commissioning with a completed and signed commissioning protocol.

Exempt from this are wear parts such as gaskets, hoses, diaphragms, dosing screws, electrodes, roller carriers and other parts that are subject to mechanical or chemical wear and tear. For these we assume a warranty of 1/2 year.

Our merchandise management programme requires an invoice for each delivery (including warranty services). When returning a defective component, upon review you will receive a corresponding credit, if applicable. We request a return within 14 days.

The costs for subsequent damages and for the processing of warranty claims are excluded.

There are no warranty claims for damage caused by frost, water and electrical overvoltage or by improper handling.



Tip!

For the safeguarding of any warranty claims, please send the completed commissioning protocol, together with the defective component, to WDT. Without the commissioning protocol, we reserve the right to assert a warranty regulation.



ATTENTION!

It is not permitted to make any modifications to the device. If this specification is not observed, the warranty obligation and product liability will expire!

1.5 Further information

Further information about special topics, e.g., description of the operating parameters, as well as additional support is available from your specialist dealer.

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2 Safety

2.1 Intended use

The FOAMDOS dosing device may only be used for the purpose listed in the product description in Chapter 3.2! The locally applicable regulations concerning accident prevention, occupational safety and drinking water protection must also be observed!

2.2 Safety notices



Carefully read and comply with the operating instructions prior to installation and use of the device! Work on the device and changes in the settings may only be carried out by properly trained and instructed persons! It is of particular importance to comply with the rules for occupational safety and accident prevention and to wear protective clothing.

Observe the warning notices on the device



Vor Öffnen des Gerätes Netzstecker ziehen. Before opening disconnect mains. Avant d'ouvrir l'appareil retirez la fichemâle. Antes de abrir el aparato sacar el enchufe.

2.2.1 Handling of chemicals, risks to humans and the environment

Important information concerning the handling of chemicals and fragrances can be found in the safety data sheet for the foam concentrate!

In the event of an emergency when dealing with chemicals, you can contact the Emergency Poison Centre!

Emergency number:

<u>Munich Emergency Poison Centre</u> (or any other Poison Centre)

Phone: +49 89 19240

2.2.2 Protective measures and rules of conduct



ATTENTION!

The dosing device is supplied with water from the drinking water network. The system separator built into the device is a safety feature to protect the water network in accordance with DIN EN 1717 (European Union).

Observe the locally applicable regulations!



ATTENTION!

It is not permitted to make any modifications to the device. If this specification is not observed, the warranty obligation and product liability will expire!

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3 Product description - scope of delivery

3.1 Scope of delivery / accessories



- Micro-processor control unit UNPL inside the control housing
- Diaphragm air pump 7006 AC
- Inlet with ball valve 1/2" JG and filter MS 1/2"
- System separator in accordance with EN1717
- Pressure reducer for regulating the system pressure
- Needle valve for regulating the water flow during foam generation
- 2 solenoid valves 3/8" (for flushing and foam generation)
- Foam generator for foam generation
- Peristaltic pump SA
- Suction lance d 12-420 mm
- 2 x dosing valve for foam concentrate and air
- Hose PVC 12 x 1.5 transparent for foam dispenser
- Button plate 2 x with 2 Piezo push buttons and flush-mounted box
- Completely pre-assembled and pre-wired on mounting plate PP grey
- Transition nipple for foam line from 3/8" to ½"

On-site services

- Technical room/ cabinet for installation of the control panel; alternatively: Installation below the massage table
- Isolated ground socket; recommended: VDE B12 fuse
- Thermostatic mixer / water connection mixed water 1/2"
- Required pressure at the transfer point: min. 1.5 bar flow pressure
- Water volume: approx. 10 l/min
- Drain DN40 / gully in the technical room

Accessories/ options

- Thermostatic mixer for the correct water temperature during the flushing function
- Hand-held shower head for foam outlet



- Shower head hose
- Drain valve (solenoid valve)

3.2 Product description

The FOAMDOS dosing device produces a massage foam from the 3 components water, air and foam concentrate, which is applied to the guest during hammam massages. The massage foam can also be used for body care during the steam bath. A flushing function is integrated. The water flow and thus the consistency of the applied foam can be individually adjusted on the device by means of a needle valve.

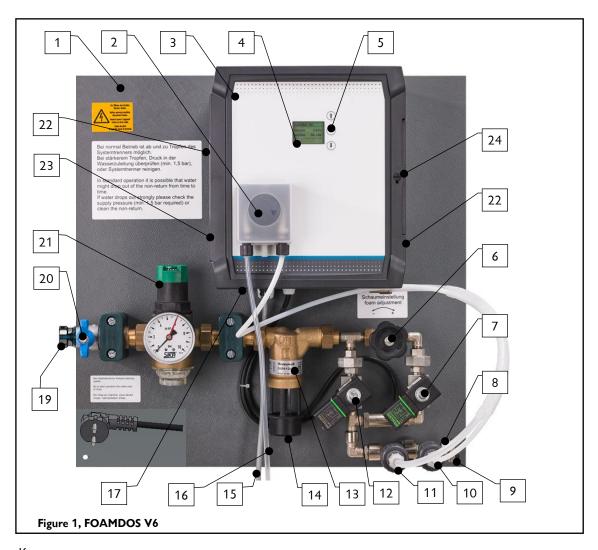
Foam generation and flushing can be switched on and off separately at the external button plate. After switching off the flushing, the compressor continues to run for a preset time in order to blow empty the line (optionally adjustable).

Settings in the programme can be made on the LCD display.

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Overview FOAMDOS V6



Key:

- 1. Mounting plate
- 2. Peristaltic pump
- 3. Control housing with built-in compressor
- 4. Display
- 5. 3 buttons for operating the display
- 6. Needle valve, adjusting the foam consistency
- 7. Solenoid valve foam generation
- 8. Foam generator (porous insert)
- 9. Connection 3/8" drain valve (solenoid valve) (accessory) / piping to foam dispenser
- 10. Dosing valve foam concentrate with hose line
- 11. Dosing valve air with hose line
- 12. Solenoid valve flushing

- 13. System separator with connection for drain d40mm
- 14. Connection for water drain on the system separator d40mm
- 15. Power cable with safety plug
- 16. Suction line to the foam concentrate container
- 17. Socket for button plate
- 18. –
- 19. Inlet ½", connection house water pipe (tempered water)
- 20. Shut-off valve
- 21. Pressure reducer with manometer and water filter
- 22. Ventilation grille (covered)
- 23. Position mains switch (covered)
- 24. Opening mechanism control housing

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3.2.1 Dosing Unit

A peristaltic pump is used for dosing the foam concentrate. Peristaltic pumps are able to transport even the smallest dosing quantities reliably and evenly, even when air or gas bubbles are trapped in the suction line. Rotating rollers press the dosing hose against the casing wall, which pushes the liquid in the hose out in front of the rollers while simultaneously feeding behind them. It is exceptionally reliable and also very easy to operate.

Figure 2, Peristaltic pump function

The installation of a dosing valve with a non-return safety device reliably prevents water from being pushed back or the dosing line from running empty. The opening pressure is 0.5 barg.





ATTENTION!

Regularly check the hose of the peristaltic pump for damage according to the maintenance protocol, or each time you refill the foam concentrate.

3.2.2 Control unit

The control unit consists of a housing with openings on the side for cooling the built-in compressor. The electronic components are installed in the housing. The operating parameters are set at the control unit.

3.2.3 Compressor

The compressor is installed in the control housing. It pumps air in the foam line via a dosing valve. Together with the foam concentrate and water, the massage foam is created in the foam generator.

3.2.4 System separator

The built-in system separator in accordance with DIN EN 1717 ensures that no water mixed with soap can be sucked into the piping system in the event of a pressure drop.

3.2.5 Button plate

Button plate with flush-mounted box for starting or stopping the programme.

For details about the flush-mounted box, see supplementary sheet "BB DW 001-03 Installation flush-mounted box V2"



rigure 4, button plate

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3.2.6 Suction lance

The suction lance is used to suck the foam concentrate out of the canister. The suction lance is screwed on in place of the canister lid and can be adjusted in height.



Tip!

If the thread of the suction lance does not fit the delivery container, the canister lid of the delivery container can be used.



3.2.7 Drain valve (accessory)

If the technical room is located on a floor below, a drain valve (solenoid valve) can be installed to empty the standpipe to the treatment room. The water in the line would cool down and this would delay the next foam production.

3.3 Device identification / identification plate

Enter the data from your device's identification plate here.

Field 1: Enter serial number

Field 2: Enter date of manufacturing



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3.4 Technical data

Г	I =
	FOAMDOS V6
Dimensions and weights:	
External dimensions	0.50x0.50x0.20m (HxWxD)
Space requirement	1.00x0.70x0.30m (HxWxD)
Space requirement, including operation and	2.00x0.70x1.00m (HxWxD)
maintenance	
Empty weight/operating weight	10kg / 10kg
Connection data	
Water inlet	1/2" interior thread
Foam drain	3/8" / interior thread / screw connection
Electrical connection	230VAC/50Hz, 150W, safety plug
Fuse F500	2A slow, D8,3x8 on NT35
Nominal pressure house connection	min. 1.5barg, max. 8 barg
Recommended operating pressure at the	Max. 4 barg
pressure reducer	
Required duct connection	d40mm
Protection class	IP44
O	
Operating data:	1 10 :
Foam time	1 - 10 minutes
Flush time	5 - 240 seconds
Pressure reduction	5 to 30 seconds
Emptying time	5 to 30 seconds
Container size foam concentrate	101
Foam output	2.6 l/min
Peristaltic pump	140 ml/min.
Solenoid valves	1/4" interior thread, 230VAC
Control unit	230V AC
Medium temperature	5°C to 45°C
Ambient temperature technical room	5°C to 35°C
Humidity technical room	max. 70%
Ventilation (in and out)	Recommended for the technical room

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3.5 Transport / storage

Please check the device immediately upon receipt for potential transport damage.



ATTENTION!

The device may be damaged by frost or high temperatures. Avoid exposure to frost during transport and storage! Do not store systems and devices next to objects with strong heat emission or in direct sunlight. The device may only be transported and stored in its original packaging. Please ensure careful handling.

For transport and storage purposes, the roller carrier of the dosing pump is not mounted. This prevents the hose from becoming deformed.

3.5.1 Storage of foam concentrate



CAUTION!

Please comply with the foam concentrate manufacturer's safety data sheet!

These are some of the points that must be observed:

- The foam concentrate must only be stored in the appropriately identified original plastic containers.
- The foam concentrate must be stored in a separate storage room.
- The ambient temperature must not exceed 25 °C.

See also Chapter 2.2.1 Handling of chemicals.

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4 Installation

The tasks described here must only be performed by appropriately qualified personnel belonging to a specialist company.

4.1 Select the installation site

The installation site must have the following properties:

- 1. The installation site must be frost-proof.
- 2. The system must be protected from direct sunlight.
- 3. An electrical power connection with a safety contact is required.
- 4. A waste water connection must be available (for system separation), at least d40mm.
- 5. Water supply ½"
- 6. Space for foam concentrate 10l canister 320x240x190 (HxWxD)

4.2 Installation instructions (suggested installation)

The device is installed at a wall in the technical room or below the massage table. The foam concentrate is located under the Foamdos. Note the space required for operation and maintenance of the device, see *Chapter 3.4 Technical data*.

- Warning and information notices must be installed in compliance with locally applicable accident prevention regulations at the locations provided!
- Do not bend the dosing lines

4.3 Mechanical installation

4.3.1 Install mounting plate with control unit

Install the FOAMDOS dosing device at working level in the technical room. It is also possible to install the dosing device below the massage table.

- 1. When selecting the installation site, make sure it is easily accessible.
- 2. Attach the mounting plate to the wall using 4 screws.



<u> Tip!</u>

During installation, ensure short connection paths for the water connections. The longer the foam line, the more the foam is compressed in the line. This reduces the foam volume.

4.3.2 Install the button plate

Install the button plate on or next to the hammam bench. In the vicinity of the foam dispenser/shower head.

Install the flush-mounted box for the button plate. For installation details, see supplementary sheet "BB DW 001 Installation flush-mounted box V2" in Chapter 10 Appendices.

- The push button cable (standard 7m) is equipped with a plug. In order to be able to lay the cable, we recommend laying an empty pipe with a diameter of 32 mm from the dosing device to the button plate.
- During installation, make sure that the empty pipe is not angled, but laid in bends with a radius of at least 30cm.
- Pull in the plug-ready push button cable.



Button plate 2x



ATTENTION!

Seal the button plate against the wall with a suitable sealant to prevent any condensation moisture from penetrating behind the button plate.

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4.4 Hydraulic installation



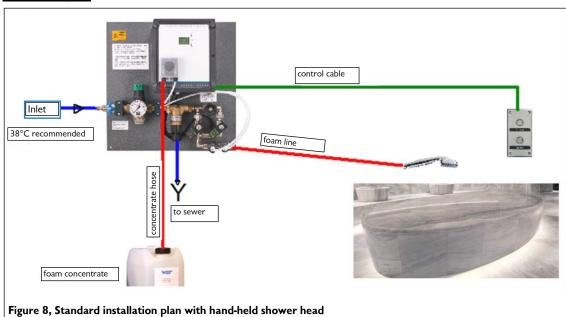
Tip!

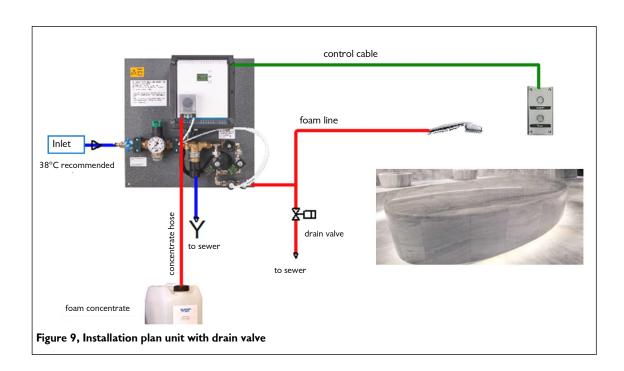
To prevent any dirt from entering the device through the house water line, the house water line must first be flushed. Only then connect the supply line of the device to the house water line.

This must be recorded by the installer in a handover protocol.

To prevent limescale deposits, we generally recommend using softened water (4° German hardness).

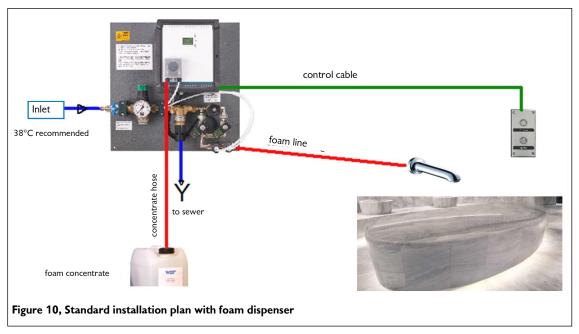
Installation plan





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Connect the inlet line

For the connection of the inlet line, we recommend **tempered water or a thermostatic mixer**, so that the water temperature for flushing is comfortable.

Install the inlet line to the dosing device.

Connect the foam line

The foam line should be as short as possible, a maximum of 10 m is possible. The foam line should have an inside diameter of 10-13 mm.

The foam line from the dosing device to the foam dispenser can be connected in 2 different variants:

1. Standard foam line

- Install the foam line up to the connection bend for the shower hose of the hand-held shower head.
- Connect the shower hose and the hand-held shower head to the wall mounting bend.

2. Foam line with drain valve

If the foam line must be installed at an incline and exceeds a length of 1m, the use of a drain valve (accessory) is recommended.

- Install the foam line with branch for the drain valve, up to the connection bend for the shower hose of the hand-held shower head.
- Install the drain valve in such a way that the **line can run empty**. This prevents cold water from coming out of the foam line during the next operation.
- Connect the drain valve to the waste water pipe via a funnel drain (system separation).
- Connect the shower hose and the hand-held shower head to the wall mounting bend.

Variants for the foam dispenser

The foam dispenser is available as:

a) movable hand-held shower head. (option)



or as

b) fixed foam dispenser (on-site service)



• Install line from system separator to drain, at least d40mm

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4.5 Electrical installation

General notices



ATTENTION!

The electronic components in the devices are sensitive to electrostatic discharges. The generally accepted safety precautions for ESD-sensitive devices must be observed when handling the devices.

The following applies, in particular:

- Plug-in connectors must only be connected or removed when the power has been deactivated.
- Before touching electrical components inside the device, the person handling it must electrostatically discharge himself for at least 5 seconds. For example, by touching an earthed system part or by wearing an ESD antistatic wrist strap connected to an earth wire.

4.5.1 Open/ close the housing

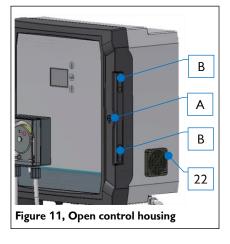
The housing need **not** be opened for electrical connection.

Open housing

- 1. Unlock the locking knob (A) with a screwdriver.
- 2. Press down on both recessed grips (B) until the housing snaps open.
- 3. Swivel open the cover.

Close the housing

- 1. Close cover. The recessed grips (B) must snap shut.
- 2. Lock the locking knob (A) with a screwdriver.



4.5.2 Establish electrical connection

- 1. Ensure that the isolated ground socket is earthed.
- 2. Switch off the mains switch on the device.
- 3. Connect the button plate's plug to the device.
- 4. Insert the mains plug into the isolated ground socket.

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5 Commissioning

5.1 Commissioning - remarks

The tasks described here must only be performed by appropriately qualified personnel belonging to a specialist company. Alternatively, the work can be carried out by persons who have read and understood the entire operating instructions. Prior to commissioning, the installed system must be checked for proper installation and leaks.

Please use the commissioning protocol from Chapter 9.3 for commissioning.

The device comes loaded with factory settings. During the commissioning, adjust the control parameters to the desired operating mode and enter them in the operation data sheet in *Chapter 9.4*.

5.2 Commissioning works

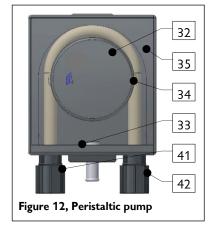
Ensure that the device has been correctly installed and connected.

5.2.1 Prepare the foam concentrate

- 1. Place the canister with the foam concentrate under the device.
- 2. Remove the canister lid.
- 3. Place the suction lance in the canister.
- 4. Screw the suction lance's lid on the canister. If necessary, replace the suction lance's lid.
- 5. Check that the suction lance reaches the bottom of the canister.
- 6. If necessary, push suction lance downward.

5.2.2 Insert the roller carrier at the fragrance pump

1. Remove the snapped-in, transparent pump cover and the safety disc (32). Pull the hose bracket (33) out of the guide in the casing.



<u>Key</u>

- 31. Transparent pump cover (not shown)
- 32. Safety disc
- 33. Hose bracket with dosing hose (hose kit)
- 34. Roller carrier (not visible)
- 35. Pump casing
- 41. Suction connection
- 42. Pressure connection

The peristaltic pump is fitted with a white dosing hose.

2. Push the roller carrier onto the shaft.



Figure 13, Insert roller carrier

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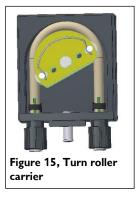


Insert the hose bracket into the casing's guides until it firmly snaps into place.



bracket

Turn the roller carrier clockwise and carefully press the hose into the casing until the entire hose is contained in the casing.



Now replace the safety disc and the transparent pump cover. This completes the installation of the roller carrier.

The dismantling of the roller carrier and the hose bracket occurs in the reverse sequence.

5.2.3 Establish power supply

- 1. Ensure that all installation tasks have been completed. Observe the sequence of the commissioning
- Insert the mains plug into the socket.

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6 Operation / service

6.1 General

The tasks described here may only be carried out by appropriately trained and instructed personnel. Alternatively, the work may be done by operating personnel who have read and understood the entire operating instructions.

Once all preparations for the commissioning have been completed, the operation can be started. Turn on the device at the mains switch (unless this has already been done).



CAUTION!

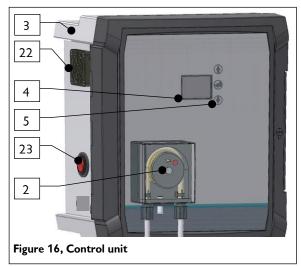
Risk of injury due to rotating peristaltic pump.

Operation with the protective cover (31) removed is prohibited.

6.2 Control unit - Software

The control unit is operated via the device's control unit (display with 3 buttons). The start push button is located on the button plate.

Overview control unit



Key

- 2. Peristaltic pump
- 3. Control housing with built-in compressor
- 4. Display
- 5. 3 buttons for operating the display
- 22. Ventilation grille
- 23. Mains switch

Operation of the control unit



The device is operated by means of 3 operating buttons next to the display.

Use the **arrow keys** to navigate up or down or to set numerical values.

Use the **Enter key** to acknowledge the selected submenu. The Enter key can also be used to navigate back to the previous screen.

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6.3 Switch on Foamdos V6

The device is turned on at the mains switch.

Switch on the device for the first time / start query

After switching on for the first time, or after resetting the device to the factory settings, the language and the parameters for foam time and flushing time must first be entered. The corresponding displays are shown in sequence. After successful entry, the device is ready for operation.







Switch the device on again

After switching on again, the device starts in the operating menu and is immediately ready for operation.

The display is illuminated. The display shows the preset times for the foam time and flushing time.

Foamdos	
foam	4 min
f lush	60 sec

Standby (operational readiness)

If no input occurs for 60 seconds, the backlighting is dimmed (Standby mode). Pressing a key ends the Standby mode.

6.4 Button plate function

Start/stop the programme

Foam generation:

- Press the "Foam" push button. Foam generation runs for the preset time
- Pressing the push button again stops the foam generation prematurely.

Flushing:

- Press the "Flush" push button. The flushing runs for the preset time, and the push button light is flashing for the duration.
- Pressing the push button again stops the flushing prematurely.
- The foam line is blown empty with the compressor after flushing (option).

Restart the programme

If a push button is pressed again after the time has elapsed, the programme starts again.



Figure 17, Button plate

The two push buttons are mutually interlocked. This means if one programme is running, the other programme cannot be started.

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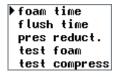
6.5 Control unit menus

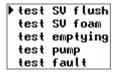
The menu of the control unit is simply structured and easy to operate. It consists of an operating level with the following menu items:

After activating the device, the **operating menu** is displayed.

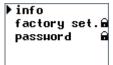
Foamdos	
foam	4 min
f lush	60 sec

Use the 3 operating buttons to navigate in the menu. The menu functions are explained in the following chapter.





emptying empty. time empty. type contrast language



Some functions are password-protected against unauthorised modification. Protected functions are marked with a padlock symbol.

After 60 seconds without input, the control unit automatically returns to the operating menu. Any unsaved changes will be lost in this process.

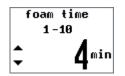


Tip!

Only built-in "options" are shown in the display.

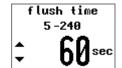
"Test functions" are used for function control in order to narrow down possible faults. For test functions, the time is set to 20 seconds and cannot be changed. The test function can be prematurely cancelled with the Enter key.

6.5.1 Foam time



Foam is produced during this time. Input of time in seconds.

6.5.2 Flush time

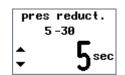


During this time, the massage guest is rinsed with water. **Ensure that the water has the correct temperature!**

Input of time in seconds.

The flushing function is used to rinse the massage guest with water. At the same time, the foam generator and the foam line are flushed with water and thus cleaned.

6.5.3 Pressure reduction



During pressure reduction, the compressor is locked and the push button light is flashing.

Input of compressor locking time in seconds.

The compressor is required for foam production.

The pressure reduction is necessary to prevent the compressor from starting under pressure. Only after the pressure has been reduced can the foam production be restarted with the "Foam" push button on the button plate.

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6.5.4 Test foam

test foam

17_{sec}

Foam generation for function control. Value in seconds.

Function:

- The peristaltic pump is running.
- The "Foam" solenoid valve opens.
- The control LED on the solenoid valve lights up.
- The compressor is running.

6.5.5 Test compressor

test compress

14 sec

Only for function control. Switch on compressor.

Function:

• The compressor is running.

6.5.6 Test SV flush

test SV flush

18 sec

Only for function control. Start flushing with water.

Function:

- The "Flush" solenoid valve opens.
- The control LED on the solenoid valve lights up.

6.5.7 Test SV foam

test SV foam

17_{sec}

Only for function control.

Open the "Foam" solenoid valve.

Function:

- The "Foam" solenoid valve opens.
- The control LED on the solenoid valve lights up.

6.5.8 Test emptying (accessory drain valve)

test emptying

18 sec

Only possible if the "Emptying" solenoid valve is connected. Only for function control.

Emptying the foam line after flushing via the solenoid valve.

Function:

- The "Emptying" solenoid valve opens.
- The control LED on the solenoid valve lights up.

6.5.9 Test pump

test pump

20 sec

Only for function control. Start the peristaltic pump.

Function:

• The peristaltic pump is running.

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6.5.10 Test fault (not conducted by the factory)

test fault

15 sec

Fault indications can be forwarded to a fault indication display (e.g., at the reception).

<u>Function</u>

• If a fault occurs during the test, it is displayed (potential-free contact).

6.5.11 Emptying foam line (accessory)

emptying ▶yes no This value is normally **only** set **during initial commissioning**. It depends on the type of installation of the foam line.

If emptying of the foam line is desired, the emptying must first be acknowledged with **Yes**. Now the additional parameters **Empty. time** and **Empty. type** are displayed and can be set.

6.5.12 Emptying time (accessory emptying foam line)



This menu only appears when **Emptying foam line is activated** (see above). Input of emptying time in seconds.

6.5.13 Emptying type (accessory emptying foam line)

empty. type ▶solenoid val compressor This menu only appears when **Emptying foam line is activated** (see above).

The line can be emptied after each flushing. Either via a solenoid valve or by means of a compressor.

Solenoid valve:

After each flushing, the drain valve is automatically opened for the preset time. The foam line is emptied.

The emptying is only possible if a drain valve was put in during installation.

Compressor:

After each flushing, the foam line is automatically blown empty with the built-in compressor.

6.5.14 Contrast



Adjust the contrast at the display. Relative value 1 to 15.

6.5.15 Language

language Deutsch ▶English Français Select the language of the texts in the display. E.g., German, English, ...

6.5.16 Info

Foamdos Software V1.3 LD: 00.00.2020 Sn: 300000 Indicate the software version and serial number

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6.5.17 Factory reset

reset to factory settings? ▶ yes no The parameters can be reset here to the factory settings. Afterwards, the unit behaves as it did when it was switched on for the first time; the **start query** occurs as described in Chapter 6.3.

The factory reset is protected with a password.

yes: A password is requested, after which the unit is reset to the factory settings. **The** password is: 0123

no: The menu is exited without any changes to the settings.

6.5.18 Password for user menu

Passuord 9000

The menus for the user can be protected with a password.

All menus that can be protected with a password are protected together. The menus cannot be protected individually.

ON: Protect menus with a password OFF: The menus are not protected

The password is preset and cannot be changed.

The password is: 0123

2367

If an incorrect password was entered, the display is highlighted in red.

When the password is activated, the following parameters are protected with a password.

- Foam time
- Flush time
- Pressure reduction
- Emptying
- Empty. time
- Empty. type
- Contrast
- Language

6.5.19 Fault indications

fault hose break Fault indications are displayed as an option. Fault indications are highlighted in red.

Fault hose break

The hose in the peristaltic pump is leaking. (Not done by the factory)

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6.6 Adjust the foam consistency

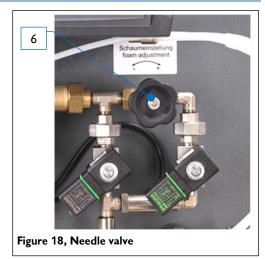
The consistency of the massage foam is set via the water volume. The setting is done at the needle valve (6).

Turn clockwise:

The water flow is decreased, the foam becomes firmer.

Turn counter-clockwise:

The water flow is increased, the foam becomes more liquid.



6.7 Replenish consumables

Index: 01

Replace the canister with foam concentrate

- a) Unscrew the lid of the new canister.
- b) Place the suction lance in the canister.
- c) Screw the suction lance's lid on the canister.
- d) Check that the suction lance reaches the bottom of the canister.
- e) If necessary, push suction lance downward.
- f) Vent foam line
 After replacing the canister, the foam line may be
 empty. Press the "Foam" push button on the button
 plate until the foam runs out at the withdrawal point. The display shows "Test foam".



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7 Maintenance, care, faults



DANGER DUE TO ELECTRICAL VOLTAGE!

Before any electrical works are carried out, the device must be disconnected from the power supply and secured against being reactivated!

7.1 Device maintenance

We recommend that you assign a specialist firm to carry out regular maintenance.

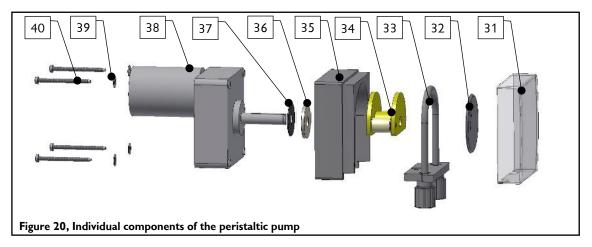
In order to ensure the proper function of the device, observe the following points:

- 1. Regular cleaning of the device.
- 2. Stocking of the consumables
- 3. Testing and maintenance in accordance with the maintenance protocol in Chapter 9.5.

7.1.1 Check / change hose kit

The hose in the peristaltic pump is subject to mechanical and chemical stresses. Therefore, the hose must be checked after each refilling of the foam concentrate in order to detect damage in due time.

Individual components of the peristaltic pump



Key:

- 31. Transparent protective cover
- 32. Safety disc
- 33. Hose bracket with dosing hose
- 34. Roller carrier
- 35. Pump casing

- 36. Sealing washer felt
- 37. Sealing washer EPDM
- 38. Gear motor
- 39. Washer
- 40. Screw

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Change hose kit and roller carrier

see description in Chapter 5.2 Commissioning works, "Insert roller carrier at the fragrance pump"

Renew hose on hose bracket

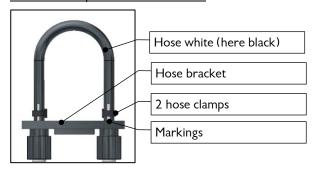


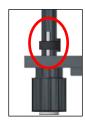
ATTENTION!

The new hose must be of the same colour and size as the disassembled hose. The hose must not be twisted when inserted! The markings must be centred at the front (see picture).

- 1. Remove hose kit, see Chapter 5.2.2.
- 2. To replace the dosing hose, **carefully** cut the hose clamps with a sharp knife or pliers! **Never damage the hose nipples!**
- 3. Push the new dosing hose onto the hose nipples so that the markings on the hose ends are located in the front! This ensures that the hose is not twisted.
- 4. Attach the hose ends using the hose clamps and cut off the protruding ends of the hose clamps.
- 5. Install hose kit, see Chapter 5.2.2.

Individual components of the hose kit





7.1.2 Dosing valves, renew valve rubber

This description applies to both the foam concentrate dosing valve (pos. 10) and the air dosing valve (pos. 11).

- a) Unscrew the union nut of the dosing valve
- b) Remove the dosing valve insert
- c) Carefully remove the valve rubber (pos 51) from the tappet
- d) Push a new valve rubber onto the tappet
- e) Reassemble the dosing valve



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7.2 Trouble-shooting



Tip!

It is also possible that switches or sensors are faulty and thus do not transmit any electric signals.

Fault indications

The following fault indications may be displayed. For the removal of fault indications, see the following fault table.

Fault table

Fault display / fault	Possible cause	Actions
The device cannot be switched on	Fuse defective	Check / renew fuse
	Mains switch defective	Check mains switch
	Power supply interrupted	Check power supply
Device not functioning	Incorrect setting	Check/reset settings
	Fuse defective	Renew fuse
	Control circuit board defective	Renew circuit board
Solenoid valve without function	Fuse defective	Renew fuse
	Solenoid valve / coil defective	Check / renew solenoid valve
Dosing pump without function	Fuse defective	Renew fuse
	Pump motor defective	Check / renew pump motor
No foam dosing	Fuse defective	Check / renew fuse
	Fragrance pump defective	Check / renew pump
	Dosing hose worn	 Renew dosing hose
	Roller carrier worn	Renew roller carrier
	Dosing valve blocked	 Check / clean / renew dosing valve; only use original WDT dosing valves
	Incorrect foam concentrate	Replace foam concentrate
No pressure build-up	Compressor defective	Check / renew compressor
	Pressure lines leak	• Check / renew lines

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8 <u>Decommissioning - Storage - Disposal</u>

8.1 General

In the event of decommissioning, the devices must be emptied completely or protected against frost!

Disposal of used parts and operating materials

Thoroughly clean any dismantled, contaminated parts prior to disposal.

Used parts and operating materials must be disposed of according to the regulations applicable at the site of operation or they must be recycled. If operating materials are subject to special regulations, please observe the corresponding information on the packaging. If in doubt, information may be obtained from the institution responsible for disposal at your location.

If this is not possible, dispose as hazardous waste.

8.2 Decommissioning

Switch off the device at the mains switch for decommissioning.

Decommissioning for more than 30 days

- Remove the suction lance from the canister.
- Close the canister.
- Flush the foam line with water. (Press the "Flush" push button).
- Empty the suction line and the foam concentrate dosing valve and flush them
- All components must be stored dry and cleaned.
- Remove the roller carrier of the peristaltic pump to prevent damage to the dosing hose. Procedure see *Chapter 5.2*.
- Open drain valve (accessory)



ATTENTION!

When recommissioning, it is essential that the instructions in the "Commissioning" chapter are observed and the points contained in the commissioning protocol are implemented.

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Documents

9.1 Declaration of conformity

WDT Werner Dosiertechnik GmbH & Co. KG

Hettlinger Straße 17 | D-86637 Wertingen Tel. 0049 8272 98697-0 | Fax 0049 8272 98697-19 info@werner-dosiertechnik.de | www.werner-dos

Werner Dosiertechnik

EG-Konformitätserklärung EC declaration of conformity Déclaration de conformité UE

im Sinne der EG-Maschinenrichtlinie 2006/42/EG, Anhang II 1.A as defined in the ECMachinery Directive 2006/42 / EC, Annex II, Part 1A selon la directive européenne machines 2006/42 / CE, annex II 1.A

Hersteller

WDT - Werner Dosiertechnik GmbH & Co. KG

Manufacturer **Fabricant**

Hettlinger Str. 17 86637 Wertingen-Geratshofen

Beschreibung und Identifikation des Produktes:

Description and identification of the product: Description et identification du produit :

Typenbezeichnung:	Art:	
Dosiergerät Foamdos V6	Maschine	

Funktion: Erzeugung von Massageschaum für den Wellness-Bereich

Function: Production of foam for wellness massages in the wellness aerea Système de production de mousse de massage pour espaces bien-être Fonction:

Es wird ausdrücklich erklärt, dass das Produkt allen einschlägigen Bestimmungen der folgenden EG-Richtlinien entspricht: It is expressly stated that the product complies with all relevant provisions of the following EC directives Il est explicitement dit que le produit est conforme à toutes les dispositions pertinentes des directives CE suivantes :

RICHTLINIE 2006/42/EG DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 17. Mai 2006 über 2006/42/EG

Maschinen und zur Änderung der Richtlinie 95/16/EG (Neufassung)

RICHTLINIE 2014/30/EU DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 26. Februar 2014 zur 2014/30/EU

Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit (Neufassung)

Die folgenden harmonisierten Normen nach Artikel 7 (2) wurden angewandt: The following harmonized standards as defined in Article 7 (2) were applied: Les normes harmonisées suivantes selon l'article 7 (2) ont été appliquées :

FN ISO 12100:2010 Sicherheit von Maschinen - Allgemeine Gestaltungsleitsätze - Risikobeurteilung und Risikominderung

EN ISO 13849-1:2015 Sicherheit von Maschinen – Sicherheitsbezogene Teile von Steuerungen – Teil 1: Allgemeine Gestaltungsleitsätze EN ISO 13849-2:2012 Sicherheit von Maschinen – Sicherheitsbezogene Teile von Steuerungen – Teil 2: Validierung

EN 60204-1:2006 Sicherheit von Maschinen - Elektrische Ausrüstung von Maschinen - Teil 1: Allgemeine Anforderungen

DIN EN 55014-1:2012 Elektromagnetische Verträglichkeit - Anforderungen an Haushaltgeräte, Elektrowerkzeuge und ähnliche Elektrogeräte -

Teil 1: Störaussendung

DIN EN 55014-2:2015 Kategorie IV Elektromagnetische Verträglichkeit - Anforderungen an Haushaltgeräte, Elektrowerkzeuge und ähnliche

Elektrogeräte - Teil 2: Störfestigkeit - Produktfamiliennorm (CISPR 14-2:2015);

DIN EN1717:2000. Schutz des Trinkwassers vor Verunreinigungen in Trinkwasser-Installationen und allgemeine Anforderungen an

Sicherungseinrichtungen zur Verhütung von Trinkwasserverunreinigungen durch Rückfließen;

Die in der Gemeinschaft ansässige Person, die für die Zusammenstellung der technischen Unterlagen bevollmächtigt ist: The designated person who is authorized to draw up the technical documentation:

La personne établie dans la communauté qui est autorisée à constituer le dossier technique:

Werner Dosiertechnik GmbH & Co KG

Straße/Nr.: Hettlinger Straße 17 PLZ Stadt: 86637 Wertingen

Unterschrift/signature Jochen Rieger, Director

Wertingen, 15.04.2021

Ort/Citiy/Place, Datum/Date

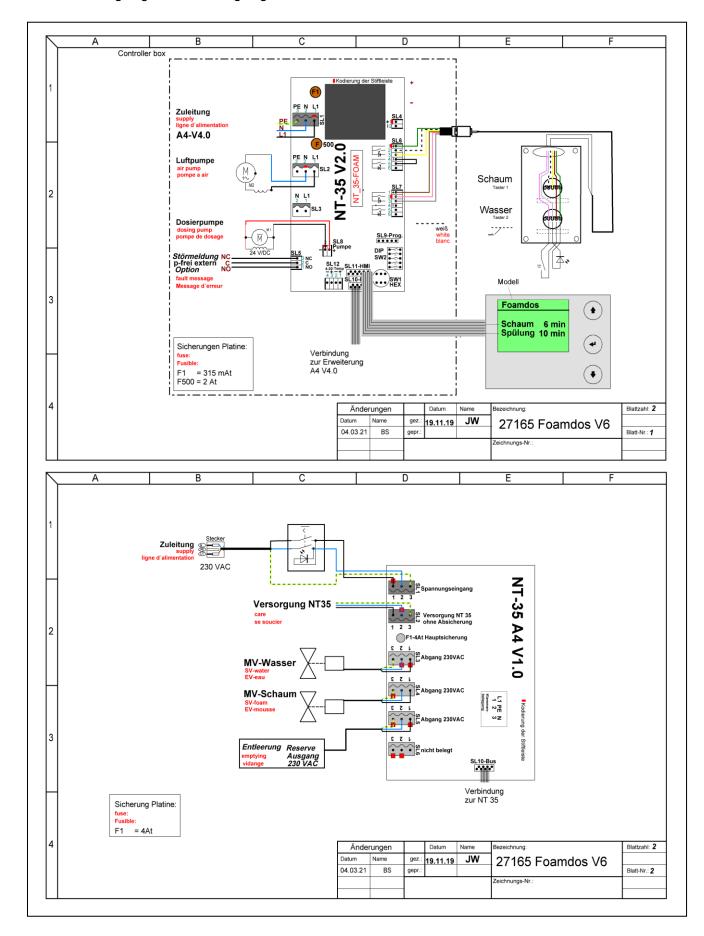
CE DW 013 Konformitatserklärung Foamdos V6.docx

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9.2 Wiring Diagram

Notice for wiring diagrams: The wiring diagrams can also be found near the device's control cabinet.



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9.3 Commissioning protocol / instruction

This protocol is to be completed by the commissioning technician! Without a completed and signed commissioning protocol, all warranty claims become void!

The commissioning protocol is located in the accompanying documentation.

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9.4 Operation data sheet



Tip!

During the commissioning, enter the operating parameters in the operation data sheet!

Operation data sheet

Parameter	*	Factory	Setting range	Passwor	During commissioning	Optimised during
		settings		d		operation
				possible	Date:	Date:
Language	-1-	German	DE, EN, FR	yes		
Foam time	-2-	2 min	1-10 min	yes		
Flush time	-3-	10 s	5-240 s	yes		
Pressure reduction		05 s	5-30 s	yes		
Test foam		20 s	20 s			
Test compressor		20 s	20 s			
Test SV flush		20 s	20 s			
Test SV foam		20 s	20 s			
Test emptying		20 s	20 s			
Test pump		20 s	20 s			
Test fault		20 s	20 s			
Emptying		-	Yes / No	yes		
Empty. time		3 s	0-30 s	yes		
Empty. type			SV or compressor			
Contrast		8	0-15	yes		
Password protection		ON	ON / OFF			
for user menu						

^{*:} Sequence when switching on directly according to factory settings

Operation data sheet

Parameter	*	Factory	Setting range	Passwor	During commissioning	Optimised during
		settings		d		operation
				possible	Date:	Date:
Language	-1-	German	DE, EN, FR	yes		
Foam time	-2-	2 min	1-10 min	yes		
Flush time	-3-	10 s	5-240 s	yes		
Pressure reduction		05 s	5-30 s	yes		
Test foam		20 s	20 s			
Test compressor		20 s	20 s			
Test SV flush		20 s	20 s			
Test SV foam		20 s	20 s			
Test emptying		20 s	20 s			
Test pump		20 s	20 s			
Test fault		20 s	20 s			
Emptying		-	Yes / No	yes		
Empty. time		3 s	0-30 s	yes		
Empty. type			SV or compressor			
Contrast		8	0-15	yes		
Password protection		ON	ON / OFF			
for user menu						

^{*:} Sequence when switching on directly according to factory settings

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Operation data sheet, -master copy-

Parameter	*	Factory settings	Setting range	Passwor d	During commissioning	Optimised during operation
				possible	Date:	Date:
Language	-1-	German	DE, EN, FR	yes		
Foam time	-2-	2 min	1-10 min	yes		
Flush time	-3-	10 s	5-240 s	yes		
Pressure reduction		05 s	5-30 s	yes		
Test foam		20 s	20 s			
Test compressor		20 s	20 s			
Test SV flush		20 s	20 s			
Test SV foam		20 s	20 s			
Test emptying		20 s	20 s			
Test pump		20 s	20 s			
Test fault		20 s	20 s			
Emptying		-	Yes / No	yes		
Empty. time		3 s	0-30 s	yes		
Empty. type			SV or compressor			
Contrast		8	0-15	yes		
Password protection		ON	ON / OFF			
for user menu						

^{*:} Sequence when switching on directly according to factory settings

Operation data sheet, -master copy-

Parameter	*	Factory settings	Setting range	Passwor d possible	During commissioning Date:	Optimised during operation Date:
Language	-1-	German	DE, EN, FR	yes		
Foam time	-2-	2 min	1-10 min	yes		
Flush time	-3-	10 s	5-240 s	yes		
Pressure reduction		05 s	5-30 s	yes		
Test foam		20 s	20 s			
Test compressor		20 s	20 s			
Test SV flush		20 s	20 s			
Test SV foam		20 s	20 s			
Test emptying		20 s	20 s			
Test pump		20 s	20 s			
Test fault		20 s	20 s			
Emptying		-	Yes / No	yes		
Empty. time		3 s	0-30 s	yes		
Empty. type			SV or compressor			
Contrast		8	0-15	yes		
Password protection		ON	ON / OFF			
for user menu						

^{*:} Sequence when switching on directly according to factory settings

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9.5 Maintenance protocol

Carry out the specified maintenance tasks in order to protect any warranty claims. The maintenance protocol is located in the accompanying documentation.

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9.6 Spare parts list, wear parts list, list of consumables



Tip!

Do you need spare parts, wear parts or consumables? You are welcome to order these from your service partner or your specialist dealer.

Spare part list

<u>Device</u>	Pos.	<u>Designation</u>	Article no. WDT
Control unit		Fuse bag 2x4A Tr, round 8.3 x 8	26416
		Fuse bag 2x500mA Tr round 8.3 x 8	27074
		Control unit NT 35 fully loaded	26704
		Control board HMI NT-35	26538
Dosing technology		Peristaltic pump Sa 4.8 Ph cpl-oSbr	28229
		Pump cover transparent	14259
		Safety disc grey	13633
		Hose kit 4.8x1.6	13414
		Hose bracket with hose 4.8x1.6	12703
		Suction set 12	12278
		Dosing valve air 3/8"	20503
		Dosing valve foam concentrate 3/8"	20502
		Diaphragm pump	24269
		Solenoid valve water/foam/emptying	27591
		Solenoid valve plug 230VAC with LED	13082
Push button		Button plate 2x with Piezo push button	19012
		Push button with ring illumination in blue Piezo	18741
		Nameplate foam	17525
		Nameplate water	17526
Consumables		Foam concentrate Hay flower 10 litres	18347
		Foam concentrate Rose 10 litres	15455

Wear parts list

<u>Device</u>	Pos.	<u>Designation</u>	Article no. WDT
	_	Hose kit SA 4.8x1.6-PH-SA	13414
	_	Roller carrier for peristaltic pump yellow	12609
	51	Valve rubber for dosing valve	28732

List of consumables

Foam concentrate:

A list of current foam concentrates can be obtained from WDT.

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10 Appendices

- Commissioning protocol
- Maintenance protocol
- Supplementary sheet "BB DW 001 Installation flush-mounted box V2"

Personal notes			

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Commissioning Protocol IP-071-EN Foamdos V6



This protocol is to be completed by the commissioning technician! Without a completed and signed commissioning protocol, all warranty claims become void!

Obje	ct:	Date://						
City,	street, house number:							
Devi	ce type: Year of manufacture:	Seria	Serial number:					
	Activity	Completed	Comment					
1	Commissioning							
1.1	Device checked for correct installation							
1.2	Commissioning conducted according to Operating Instructions (Chapter 5)							
1.3	Thermostatic mixer (option) set							
1.4	Control parameters adjusted and entered in the operating data sheet (Chapter 9.4 of the Operating Instructions)							
1.5	Canister with foam concentrate and suction lance connected							
1.6	Device checked for correct operation							
1.7	Device and lines checked for leaks							
2	Other							
2.1	Operating Instructions reviewed and handed over							
2.2	Service and operating personnel instructed							
	Same and operating personner man detect							
	missioning and instruction carried out by:ucted persons:							
Signa	Signature of commissioner:							
Cour	ntersigned by operator:	•••••••						

Maintenance Protocol WP-075-EN Foamdos V6



This protocol is to be completed by the maintenance technician! We reserve the right to determine the warranty conditions when no completed and signed maintenance protocol is available.

Object:				Maintenance year: 20										
, street, house number:		•••••		•••••			•••••	••••						
ice type:											r:			
Activity	Maintenance interval in	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Comment / additional tasks
Water supply part														
Check device for leaks	3													
Activate valves, check for function and leaks	3													
Dosing technology														
Check the peristaltic pump's hose	1													
Check entire dosing technology for leaks	3													
Check compressor function; renew, if necessary	6													
Renew the peristaltic pump's hose	12													
Renew sealing rubber for the "Foam" dosing valve	12													
Renew sealing rubber for the "Flush" dosing valve	12													
Foam / Flushing withdrawal point														
Visual check; clean / decalcify, if necessary	1													
Control unit														
Check electric cables for damage	12													
Other Tasks														
Clean the system	1													
itional remarks:														
tenance carried out and device checked for fo	unctio	on: _	gnature										1	Date:
	Activity Water supply part Check device for leaks Activate valves, check for function and leaks Dosing technology Check the peristaltic pump's hose Check entire dosing technology for leaks Check compressor function; renew, if necessary Renew the peristaltic pump's hose Renew sealing rubber for the "Foam" dosing valve Renew sealing rubber for the "Flush" dosing valve Foam / Flushing withdrawal point Visual check; clean / decalcify, if necessary Control unit Check electric cables for damage Other Tasks Clean the system itional remarks:	Activity Water supply part	Activity Water supply part Check device for leaks 3	Activity Year of ma Year o	Activity Year of manufactoric type:	Activity Year of manufacture Year of Ma	Activity Water supply part Check device for leaks 3 Check the peristaltic pump's hose 1 Check compressor function; renew, if necessary Renew sealing rubber for the "Foam" dosing 12 Valve Valve Check; clean / decalcify, if necessary 1 Check; clean / decalcify, if necessary 1 Check electric cables for damage 12 Check electric cables for damage 12 Chent Check electric cables for damage 13 Check electric cables for damage 14 Check electric cables for damage 15 Check electric cables for damage 16 Check electric cables for damage 17 Check electric cables for damage 18 Check electric cables for damage 19 Check electric cables for damage 19 Check electric cables for damage 10 Check electr	Activity Year of manufacture:	Activity Activity	Activity Year of manufacture: Year of manufacture:	Activity Year of manufacture: Second Seco	Activity Activity	Activity Year of manufacture: Serial number Serial numb	Activity Year of manufacture: Serial number Year of manufacture: Ye



Assembly and sealing of the flush mounted box V2 for push button plates



CAUTION!

Before starting to work, make the electrical lines volt free and protect them against new connection! Wear protective clothes!





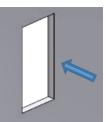
Assembly in building panels



a) Install the empty conduit at the required place!

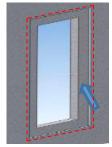
Diameter empty conduit type 32 (ID 25mm)

Bend radius min. 10cm



b) Cut out construction plate Dimensions:

1-fold: HxWxD min. 100x67x55mm 2-fold: HxWxD min. 133x 67x55mm 3-fold: HxWxD min. 166x 67x55mm 4-fold: HxWxD min. 200x 67x55mm



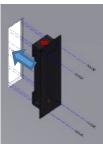
c) Cut a recess to sink the sealing flange with a depth of 3mm

Dimensions:

1-fold: HxW min. 130x97mm 2-fold: HxW min. 163x97mm 3-fold: HxW min. 196x97mm 4-fold: HxW min. 229x97mm



d) Break out an orifice for the empty conduit connection at the desired rated break point



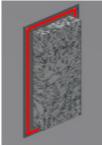
e) Install the flush mounted box and fix with 4 screws if necessary



f) Connect the empty conduit onto the flush mounted box and insert cables



g) Place the supplied construction protection cap in the flush mounted box

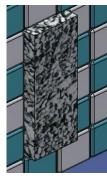


h) Apply sealant for vapour barrier foil

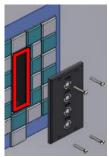


i) Adapt and adhere the vapour barrier foil

No humidity may penetrate!



j) Tile the flush mounted box until the construction protection cap



k) Take out the protection cap Clamp the push button plate. Seal the push button plate against the flush mounted box: apply appropriate sealant on the flush mounted box and fix with 4 screws

No humidity may penetrate!

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2 Installation in brickwork



a) Chisel out brickwork for flush mounted box and empty conduit

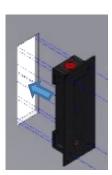
Diameter empty conduit type 32 (ID 25mm)

Bend radius min. 10cm

Dimensions for break out works 1-fold: HxWxD min. 105x72x60mm 2-fold: HxWxD min. 138x72x60mm 3-fold: HxWxD min. 171x72x60mm 4-fold: HxWxD min. 205x72x60mm



b) Break out an orifice for the empty conduit connection to the desired rated break point

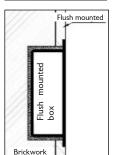


c) Install the flush mounted box and the empty conduit with electrician cast or building foam in the wall, approximately 20 mm protruding due to flush system

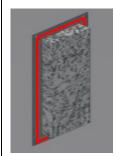
Insert cable



d) Install the supplied construction protection cap in the flush mounted box



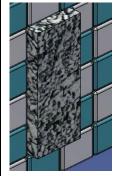
e) Plaster the brickwork so that the flush mounted box flushes with the plaster.



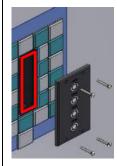
f) Apply sealant for vapour barrier foil



g) Adhere vapour barrier foil **No humidity may penetrate!**



h) Enter the flush mounted box until the construction protection cap



i) Remote protection cap
Clamp the push button plate.
Seal the push button plate against the
flush mounted box: apply appropriate
sealant on the flush mounted box and fix
with 4 screws

No humidity may penetrate!

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