

Operating instructions



Fragrances dosing for steam rooms Type DUFTDOS-0-T



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Imprint

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These operating instructions are based on the German original provided by the WDT Company.

Responsible for the content:

WDT - Werner Dosiertechnik GmbH & Co. KG

Hettlinger Str. 17

D-86637 Wertingen-Geratshofen

Phone: +49 (0) 82 72 / 9 86 97 – 0

Fax: +49 (0) 82 72 / 9 86 97 – 19

E-mail: info@werner-dosiertechnik.de

1 Information regarding these instructions / general information

1.1 Scope of validity

These instructions describe the function, installation, commissioning and operation of the device with appropriate accessories.

The operating instructions must be carefully read before using or maintaining the device and have to be stored in immediate proximity of the device!

1.2 Target group

Only our authorised partners and persons who were instructed regarding the device functions and have read and understood the operating instructions may work on the system.

Electrotechnical connection work may only be performed by appropriately trained specialist staff!

1.3 Symbols used

The following types of safety instructions and general instructions are used in this document:



DANGER !

"**DANGER**" indicates a safety instruction that must be adhered to at the risk of death or severe injury!



CAUTION !

"**CAUTION**" indicates a safety instruction that must be adhered to at the risk of light to medium injuries!



ATTENTION !

"**ATTENTION**" indicates a safety instruction that must be adhered to at the risk of damage to goods breakdowns!



HIGHLY FLAMMABLE !

"**HIGHLY FLAMMABLE**" identifies substances with a low flash point under 21°C.



Hint !

A "**Hint**" characterises information that may help to improve the operation.

1.4 Warranty

All devices and systems of the WDT Company are produced using the latest production methods and comprehensive quality control. Please send your warranty claims according to the general warranty conditions (see below) to WDT should there nevertheless be a reason for complaint.

General warranty conditions

WDT provides a warranty for 2 years from the date of commissioning, a maximum period of 27 months after delivery, assuming correct installation and commissioning with completed and signed commissioning protocol.

Wearing parts such as seals, hoses, membranes, dosing screw conveyors, electrodes, roller carriers and other parts that are subject to mechanical or chemical wear are excluded. We provide a warranty for half a year on those parts.

Our ERP program requires an invoice for each delivery (also for warranty services). Customers will receive a credit note after returning the faulty part and its inspection as required. Please return goods within 14 days. Costs for consequential damage and costs resulting from handling warranty claims are excluded.

Warranty claims are not valid when the damage was caused by frost, water, over-voltage or inappropriate handling.



Hint !

Please send a completed commissioning protocol together with the defective part to WDT to maintain your warranty claims. We reserve the right to settle the warranty claim when no completed commissioning protocol is available.



ATTENTION !

Modification of the device is not permitted. In case of a modification of the device, the warranty and the product liability do not apply anymore!

1.5 Further information

Additional information regarding specific topics such as description of the operating parameters as well as further support is available from your specialist dealer.

2 Safety

2.1 Appropriate use

The fragrance dosing device type DUFTDOS-0-T may only be used for the purposes specified in Section 3.2 “Product description”! The locally applicable regulations regarding accident prevention, worker safety and drinking water protection must be adhered to.

2.2 Safety instructions

The operating instructions must be carefully read and considered before installation and use!
Work on the system and changes to the settings may only be performed by trained and instructed persons!
The regulations for worker safety and accident prevention as well as for wearing protective clothing must be adhered to.

Take note of the warning information on the device!



Check the dosing hose of the pump and replace it as required when topping up the fragrance (see operating instructions).

2.2.1 Handling of chemicals, risks to persons and the environment

Important information on the handling of chemicals and fragrances is provided in the safety data sheets of the fragrance manufacturers!

With the fragrance dosing a fragrance concentrate is mixed with the fragrance concentrate and is conveyed into the steam room. The fragrance concentration in the steam is so low that it poses no risk to people.



DANGER ! IRRITATION !

Fragrances concentrates may lead to irritation and allergic reactions.



HIGHLY FLAMMABLE !

Fragrances concentrates may be highly flammable. This may cause injuries to persons or risks to the environment. Work carefully!



CAUTION !

Fragrance concentrates can be harmful for the health!

Wear protective gloves and protective glasses.

In emergencies relating to the handling of chemicals, you can contact a Poison Emergency Call Centre!

Emergency call number:

Poison Emergency Call Munich (or any other poison centre)

Telephone: +49 89 19240

2.2.2 Protective measures and behavioural rules



ATTENTION !

Modifications at the device are forbidden. Warranty and product liability claims become void when this requirement is not fulfilled.

3 Product description - delivery scope

3.1 Delivery scope / accessories

The device mainly consist of the following components:

- Hose dosing pump SA, approx. 3l/h
- Connection cable 4 x 0.75mm² - 3m
- Roller carrier SA yellow
- Dosing hose 3.2 x 1.6 Viton with hose holder on 4 x 1 mm
- Suction hose PE 4 x 1 - 1.5 m

The following options are available as accessories:

- Dosing set
- Console for round jar with wide neck, 1.5 litres
- Console for canister, 10 litres

Order numbers see Section 9.6 „Spare parts list, wearing parts list, consumables list“.

3.2 Product description

The fragrance dosing type DUFTDOS-0-T refers to a dosing system for the dosed introduction of fragrance concentrate in the steam pipe of steam rooms.

Function

The fragrance concentrate is dosed through the hose pump passing the dosing pipe into the steam pipe. The pump must be connected in such a way that it can only dose during the steam production. The dosing power is not adjustable. With the test button the dosing pump is operated in the test run. Here the device is dosing continuously. This is done to aerate the dosing pipe between device and steam pipe. The dosing pipe is made of transparent PTFE, so that during the deaeration the air bubble in the pipe can be observed.

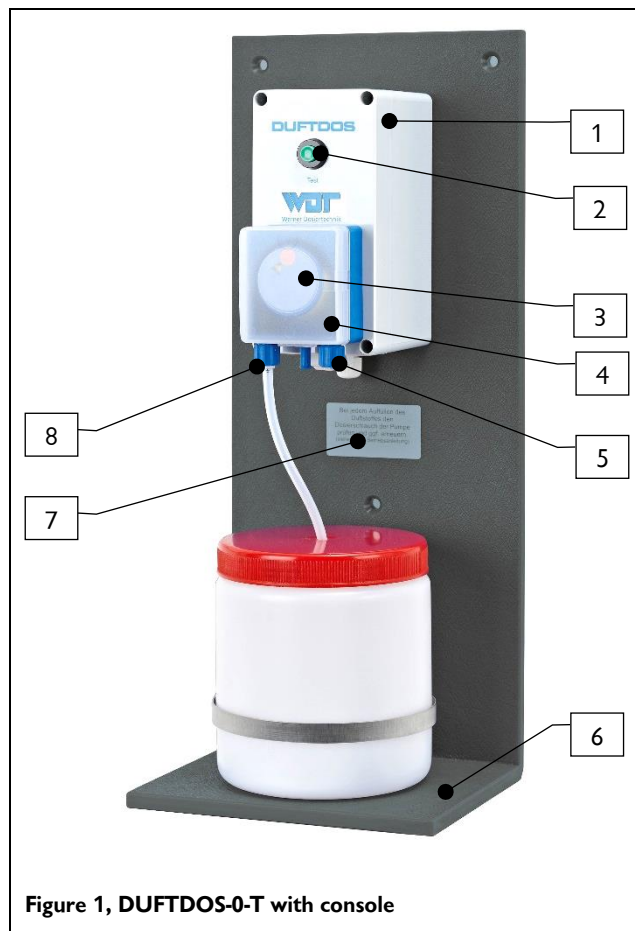
The optional dosing valve is assembled into the dosing pipe to connection the dosing power.



ATTENTION !

The device must be connected in such a way that dosing is only done during the steam production of the steam generator.

Overview of the fragrance dosing type: DUFTDOS-0-T



Legend

- 1 Housing
- 2 Test button
- 3 Hose dosing pump
- 4 Transparent protection cover
- 5 Pressure connection for dosing pipe to the steam pipe
- 6 Console for canister, 10 litres
- 7 Warning sign
- 8 Suction connection for hose pipe to the fragrance concentrate container

Figure 1, DUFTDOS-0-T with console

3.2.1 Dosing unit

For the fragrance dosing a hose pump is used, conveying even the smallest dosing volumes securely, even when there are air bubbles in the suction pipe. Rotating rollers press the dosing hose against the wall, squeezing out the liquid in front of the rollers while sucking in new liquid at the same time. Hose pumps are extremely reliable and particularly easy to operate. Fragrance concentrates can be extremely corrosive. The dosing hose used resists most of the commercially available concentrates.

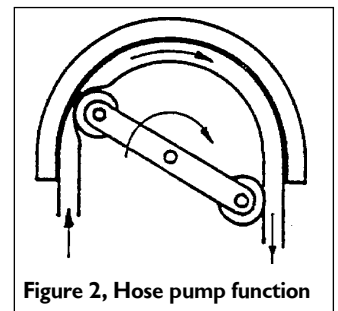


Figure 2, Hose pump function



ATTENTION !

The composition of the fragrance varies. This may reduce the service life of the hose. You should therefore regularly check the fragrance pump according to the maintenance plan or whenever fragrance is topped up.

3.2.2 Dosing valve (option)

The valve is a combined spring loaded non-return valve and dosing valve. In case of a defect of the pump or the dosing pipe (broken hose, maintenance works) the dosing valve avoids the penetration of steam from the steam pipe into the dosing pipe. In the error free operation no dosing valve is required since the pressure of the pump is higher than the pressure in the steam pipe.



Figure 3, Dosing valve

3.2.3 Console (option)

The device is supplied standard for wall installation. The fragrance container is put on the floor.
The optional console is foreseen for an installation at a higher level, so that the floor remains free. The fragrance container is put on the console. The console is available in two sizes.

3.3 Identification of the device / name plate

Enter the data on the name plate of your device here.

Array 1: Enter the serial number

Array 2: Enter the production date


<p>Typ: Duftdos-0-T Art.: 16621 Serien Nr.: <input type="text"/> 230V/AC 1Ph ~ 50/60Hz I max. 315 mA Leistung 100% ca. 4l/h EDmax. 50% Herstellung <input type="text"/>  WDT - Werner Dosiertechnik GmbH & Co. KG Hettlinger Str. 17 D-86637-Wertingen</p>

Figure 4, Name plate

3.4 Technical data

	DUFTDOS-0-T	
Dimensions and weights:		
External dimensions	approx. 0.18 x 0.08 x 0.14 m (HxWxD)	
Space requirements	approx. 0.50 x 0.30 x 0.30 m (HxWxD)	
Space requirements incl. operation and maintenance	approx. 2.00 x 0.60 x 0.90 m (HxWxD)	
Weight	approx. 0.9 kg	
Connection data		
Connection dosing	Dosing hose Ø 6/4 mm	
Electrical connection	230 VAC/50Hz, 6W	
Protection type	IP 44	
Operating data:		
Medium temperature	5-35°C	
Environmental temperature in utility room	5-35°C	
Humidity in utility room	max. 70%	
Suction height	max. 2 m	
Ventilation and extraction	Recommended for the utility room	
Operating pressure	max. 1.5 barg	
Transport power in the continuous mode	max. 3 l/h	

3.5 Transport / storage

The device must be checked for possible transport damage immediately after receipt.



ATTENTION !

The device can get damaged by frost or high temperatures. Prevent exposure to frost during transport and storage! Do not store the device next to objects with high heat radiation or directly exposed to sunlight. The device may only be transported and stored in its original packaging. Careful handling must be ensured.

The roller carrier of the dosing pump is not installed during transport and storage. This prevents deformation of the hose.

Storage of fragrances / chemicals



DANGER !

The safety data sheets of the fragrance manufacturers have to be considered with regard to storage!

The following points must be considered, among others:

- Fragrance concentrates may only be stored in appropriately marked, original plastic containers.
- The fragrance concentrates must be stored in a separate storage room.
- The environmental temperature may not exceed 20°C.

See at this regard also *Section 2.2.1* "Handling of chemicals, risks to persons and the environment".



CAUTION !

Follow locally valid rules for the handling of chemicals!

4 Installation

The work described here may only be performed by appropriately trained specialist staff or by a specialist company.

4.1 Selecting the place of installation

The place of installation must have the following characteristics:

1. The place of installation must be protected against frost.
2. The device must be protected against direct sunlight.
3. An electrical mains connection must be available.
4. Good air supply and extraction are recommended for the installation room.

4.2 Installation information (installation suggestion)

The device is assembled in the technical room at a wall. The dosing pipe to the steam pipe must be as short as possible.

Consider the space required for operation and maintenance of the device, see *Section 3.4 Technical data*.

- Warning and information signs according to the locally valid accident prevention regulations are to be provided at the intended positions.

Mounting diagram

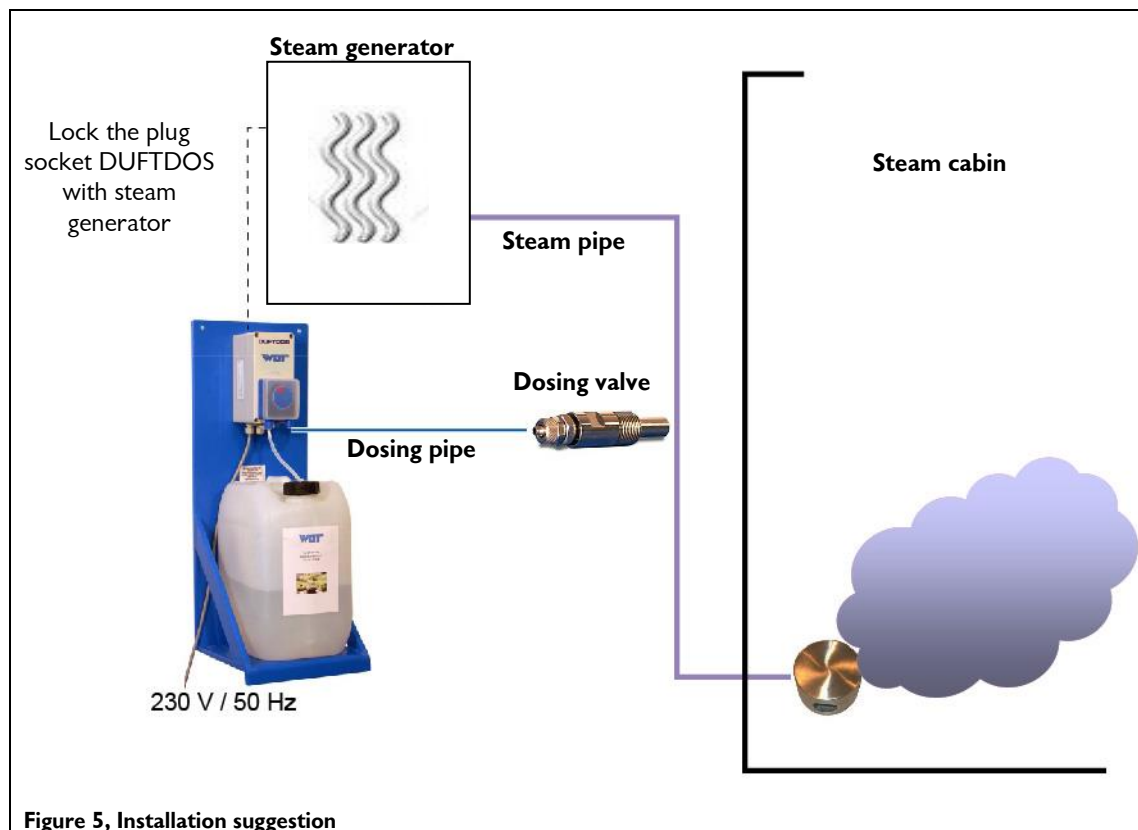


Figure 5, Installation suggestion

4.3 Mechanical installation

Installing the dosing device

The dosing device is supplied ready to use on a roller carrier.

The device is assembled in the technical room approximately 1 m above the floor. In case of installation with console, the device can be assembled at any height. The container with the fragrances concentrate is put underneath the device.

1. When choosing the installation place, ensure a good accessibility.
2. Fix the device with 4 screws onto the wall or the console.

4.4 Hydraulic installation



ATTENTION !

Do not bend the dosing pipe.

Install the dosing pipe in such a way that the fragrance concentrate cannot flow through the steam pipe into the steam generator.

1. If necessary, screw the dosing valve (option) at the dosing point in the steam pipe.
2. In case of a bigger distance between the installation place and the dosing valve, install a transparent protection pipe for the dosing pipe, if necessary.
3. Connect the dosing pipe at the right connection of the hose pump.
4. Connect the other end of the dosing pipe onto the steam pipe (dosing valve).
5. Connect the suction pipe at the left connection of the hose pump.

4.5 Electrical installation

The dosing pump is supplied with connection cable without plug. The pump starts running as soon as power is supplied. Therefore the pump must be connected to an external control. See Section 9.2, "Terminal plan". Do not open the casing.



DANGER DUE TO HIGH VOLTAGE !

The electrical installation may only be performed by appropriately trained specialist staff! The device must be switched off and secured against re-operation before any electrical work is carried out!



Hint !

The dosing of the fragrance concentrate must be coupled with the function of the steam generator. This avoids a dosing without steam. For example, lock the power output with steam generator or by means of a temperature probe on the steam pipe.

5 Commissioning

5.1 Commissioning - comments

The work described here may only be performed by appropriately trained specialist staff or by a specialist company. Alternatively, the work may be performed by persons who have completely read and understood the operating instructions. The systems installed must be inspected for appropriate installation and tightness before commissioning.

Use the commissioning protocol for the commissioning procedure, see *Section 9.3*.

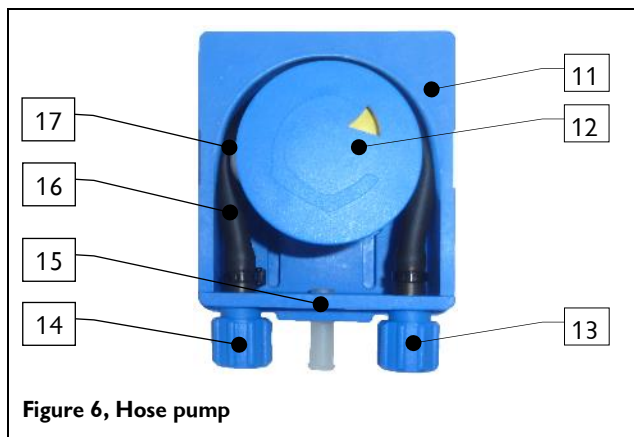
The device is provided with factory settings when it is delivered. Adapt the regulation parameters during the start-up on the desired operating mode.

5.2 Commissioning works

Ensure that the device is appropriately installed and connected.

5.2.1 Insert the roller carrier of the hose pump

1. Remove the clipped transparent protective cover (4, not shown in image).
2. Strip the blue lock washer (2).
3. Strip the hose holder (15) from the pump housing.



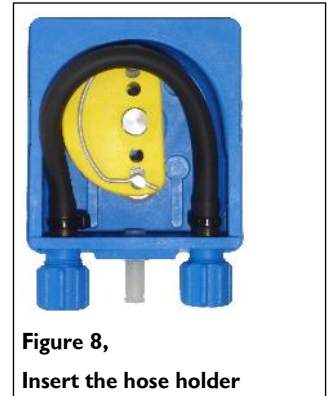
Legend

- 11 Pump housing
- 12 Lock washer
- 13 Pressure connection
- 14 Suction connection
- 15 Hose holder with dosing pipe made of Viton (hose set)
- 16 Hose
- 17 Roller carrier (covered by lock washer)
- Transparent protection cover (not shown)

4. Place the yellow roller carrier (17) on the shaft

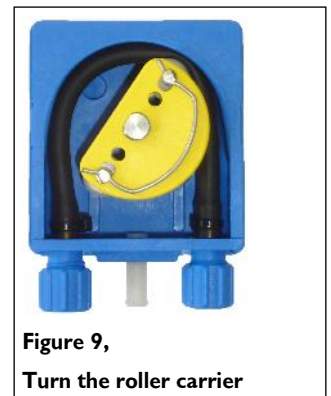


5. Place the hose carrier (15) into the guide of the housing until it clicks in.



6. Turn the roller carrier (17) anticlockwise while carefully pushing the hose into the housing until it is completely within the housing.
6. Insert the lock washer (12) again.
7. Attach the transparent protective cover again. The installation of the roller carrier is finished.

The disassembly of the roll carrier and of the hose holder in reverse order.



5.2.2 Prepare the fragrance concentrate



CAUTION !

Many fragrance concentrates are highly flammable!



CAUTION !

Fragrance concentrates can be harmful for the health!

Wear protective gloves and protective glasses.

See the safety data sheet of the manufacturer of the fragrance.

1. Screw off the cover at the fragrance concentrate container.
2. Bore a hole with a diameter of 7mm in the cover.
3. Screw the cover again.
4. Place the container under the device.
5. Glide the suction pipe into the container so that the end of the suction pipe touches the container bottom.

5.2.3 Connect the device and aerate the dosing pipe

1. Realise the power supply (see Section 3.4 "Technical data").
2. Push the test button (continuous dosing).
3. Wait until the fragrance concentrate is pumped upwards.
4. Wait until the pumped up fragrance concentrate fills the dosing pipe completely.
5. The dosing pipe is deaerated as soon as there are no air bubbles in the pipe any more.

6 Operation / handling

6.1 General

The device is ready for use after the successful commissioning.



Hint !

The test button is foreseen to deaerate the dosing pipe.

6.2 Control

No adjustments on the control possible

6.3 Control - software

No software available

6.4 Top up consumables



CAUTION !

Fragrance concentrates can be harmful for the health!

Wear protective gloves and protective glasses.



ATTENTION !

Aggressive fragrance concentrates shorten the lifetime of the hoses.

If possible, avoid aggressive fragrance concentrates.



Hint !

Refill consumables in due time. If the container is empty, the pump sucks air and the dosing pipe must be deaerated before continuing. Do not use any aggressive fragrance concentrates attacking the hoses.

Fragrance concentrate

1. Screw off the cover at the fragrance concentrate container.
2. Bore a hole with a diameter of 7 mm in the cover.
3. Screw the cover again.
4. Place the container under the device.
5. Glide the suction pipe into the container so that the end of the suction pipe touches the container bottom.

7 Maintenance, service, faults

7.1 Device maintenance

It is recommended to task a specialist company with maintenance.

For an operation with less errors carry out the following works:

1. Clean the device in regular intervals.
2. Supply consumables and refill in due time.
3. Carry out test and maintenance works according to the maintenance protocol.



DANGER DUE TO HIGH VOLTAGE !

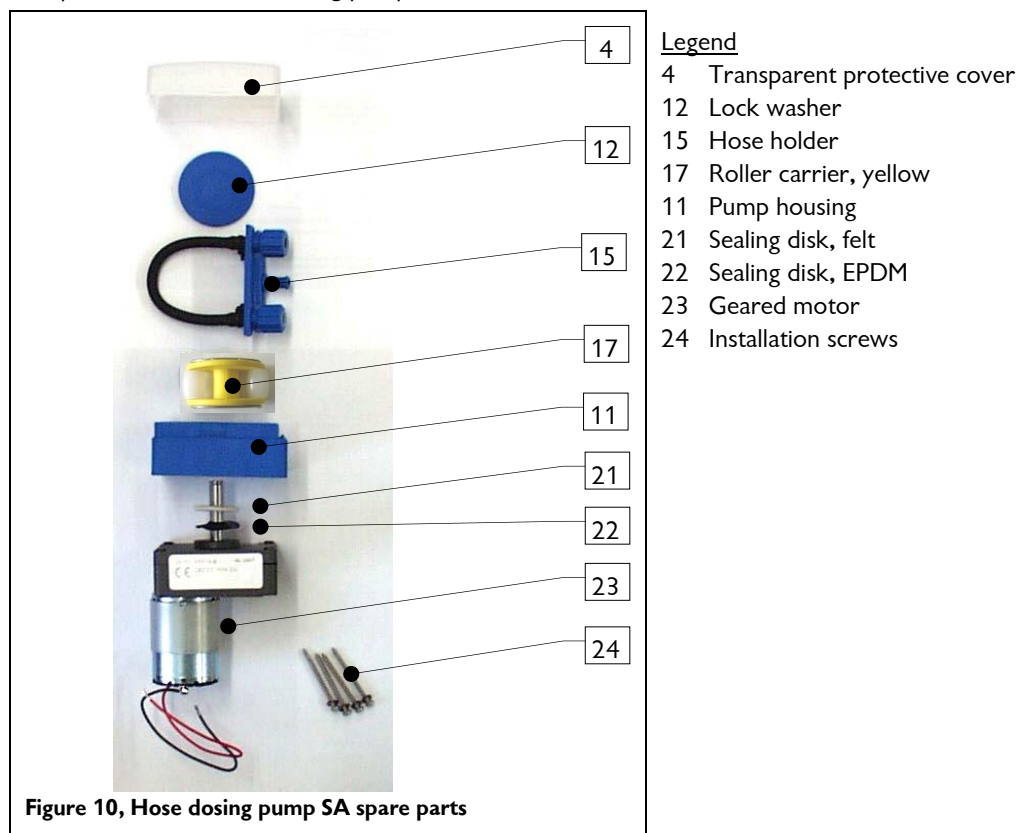
Before works on the device, make the device tension free and protect it against new connection!

7.1.1 Check / replace hose set

The device is mainly maintenance free. The pump hose in the pump is subject to mechanical and chemical stress.

- Each time when the fragrance concentrate is exchanged, carry out a visual checking of the pump hose, to detect damages in due time and to exchange the dosing hose.
- Exchange the dosing hose at least each 6 months, and more frequently in case of aggressive fragrance concentrates.

Components of the hose dosing pump



Changing the hose set and roller carrier

See description in Section 5.2 Commissioning work, "Insert roller carrier of the hose pump"

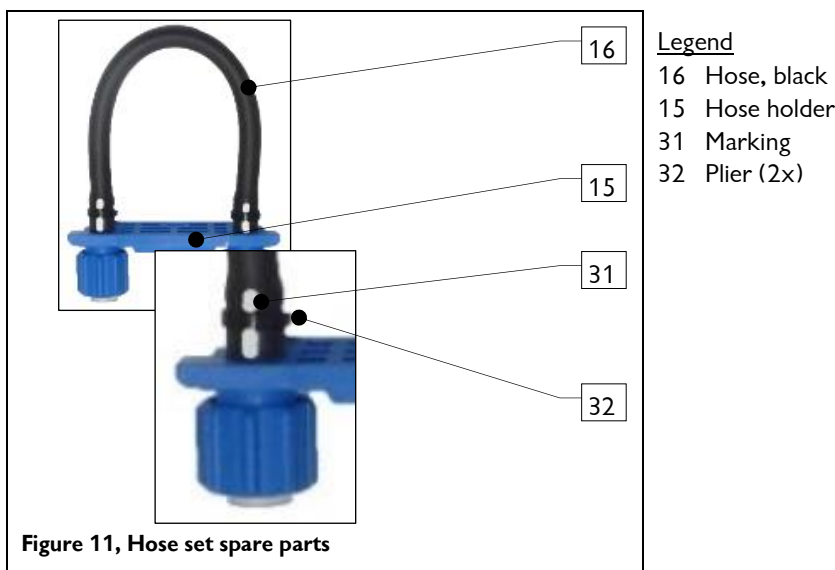
Replace the hose at the hose holder



ATTENTION !

The new hose must have the same colour and size as the hose removed. The hose may not be twisted after insertion! The markings must be in front and in the middle (see image).

1. Removing the hose set, see Section 7.1.1 “Check / replace hose set“.
2. **Carefully** cut open the hose ties with a sharp knife or pliers in order to exchange the dosing hose! **Do not damage the hose nipples!**
3. Push the new dosing hose onto the hose nipples, so that the markers at the hose ends are in front. This ensures that the hose is not twisted.
4. Fasten the hose ends with the hose ties and cut off the protruding parts of the hose ties.
5. Install the hose set, see Section 7.1.1 “Check / replace hose set“.



7.1.2 Check the dosing valve

Some fragrance concentrates create deposits in the dosing pipe and the dosing valve. In this case the fragrances dosing may be obstructed.

Check the dosing valve each 6 months or when necessary

1. Upon refilling the fragrance concentrate, some air of the pump must be sucked.
2. During the working of the fragrance pump, observe the air bubble.
3. The fragrance dosing system is in order when the air bubble is transported in the suction/pressure hose. If the air bubble is moved only to and fro, the dosing valve is obstructed and must be cleaned.

Cleaning the dosing valve

1. Loosen the dosing hose from the dosing valve.
2. Screw out the dosing valve.
3. Wash the dosing valve with warm water or rinse it with ethyl alcohol.
4. If these steps are not successful, exchange the valve.

7.1.3 Check function of the pump

Press the test button. The lock washer must rotate.

Check suction function of the pump

1. Draw the suction hose of the pump out of the container.
2. The pump must suck air, forming an air bubble in the dosing pipe.
If no air is sucked, the suction function is defect.
3. Afterwards deaerate the dosing pipe. See *Section 5 Commissioning*.

7.2 Fault removal



CAUTION!

Fragrance concentrates can be harmful for the health!

In case of works on the suction or dosing pipe, wear protective gloves and protective glasses.

Fault table

Fault	Possible cause	Actions
The device does not connect	<ul style="list-style-type: none"> • Power supply interrupted • Steam generator disconnected (if coupled with steam generator) 	<ul style="list-style-type: none"> • Check the power supply • Connect steam generator
Device without function	<ul style="list-style-type: none"> • Circuit board defect 	<ul style="list-style-type: none"> • Send in the circuit board
Dosing pump without function	<ul style="list-style-type: none"> • Pump motor defective 	<ul style="list-style-type: none"> • Check / exchange the pump motor
No fragrance dosing	<ul style="list-style-type: none"> • Container with fragrance container empty • Air in the dosing pipe • Fragrance pump defective • Hose of the dosing pump defect • Roller carriers worn out • Dosing valve blocked • Fragrance concentrate dirty 	<ul style="list-style-type: none"> • Refill container • Deaerate dosing pipe • Check / exchange the pump • Exchange the hose • Exchange the roller carrier • Check / clean / exchange dosing valve • Visual check of the fragrance concentrate on transparency and cleanliness. Exchange dirty concentrate

8 Shutting down - Storage - Disposal

8.1 General

The device must be completely emptied or protected against frost when it is shut down!

Disposal of old part and operating materials

Thoroughly clean disassembled, contaminated parts before disposing of them.

Old parts and consumables must be disposed of according to the local valid regulations or must be recycled. Please take note of the respective instruction on the packaging when the operating materials are subject to specific regulations. In cases of doubt, information should be available from the institution responsible for disposal at your place of operation.

When this is not possible, dispose of them as special waste.

8.2 Shutting down

In case of shutting down, interrupt the power supply.

Shutting down longer than 30 days

1. Interrupt the power supply.
2. Tear the suction pipe out of the fragrance concentrate container.
3. Rinse the fragrance concentrate pipes with water.
4. Dry all parts and store cleaned.
5. Remove the roller carrier of the fragrance pump so that dosing hose will not be damaged. Procedure see Section 5.2 "Commissioning works".



ATTENTION !

In case of new commissioning, always the instructions of the chapter "Commissioning" and process the commissioning protocol.

9 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-dosiertechnik.de



**EG Konformitätserklärung
 EC declaration of conformity
 Déclaration de conformité de l'UE**

Hersteller:	WDT – Werner Dosiertechnik GmbH & Co.KG
Manufacturer:	Hettlinger Str. 17
Fabricant:	86637 Wertingen
Produkt:	
Product:	Duftdos 0-T
Produit:	
Artikel-Nr.:	
Article-no.:	16621
Numéro d` article:	

Wir erklären, dass das genannte Produkt in Ihrer Bauart mit den Bestimmungen der EG-Richtlinien entspricht.
 We confirm that the a.m. product corresponds to the regulations of the EC-instructions with regard to its construction.
 Nous déclarons que la produit mentionnée correspond en mode de construction á la norme de l`UE.

Die zutreffenden Punkte erfüllen die Anforderungen der:
 The respective points are meeting the requirements of the:
 Les points exacts remplissent les exigences des norms suivantes:

Niederspannungsrichtlinie Low voltage directive Directive de basse tension	EN 61010-1 (2011-07), EN ISO 12100:2011
Elektromagnetische Verträglichkeit Electromagnetic compatibility Compatibilité électromagnetique	EN 55014-1 (2012-05) EN 55014-2 (2009-06)
Angewendete harmonisierte Normen Used harmonized standarts Des normes harmonisées appliquées	DIN EN1717:2000, WHG (Wasserhaushaltsgesetz)

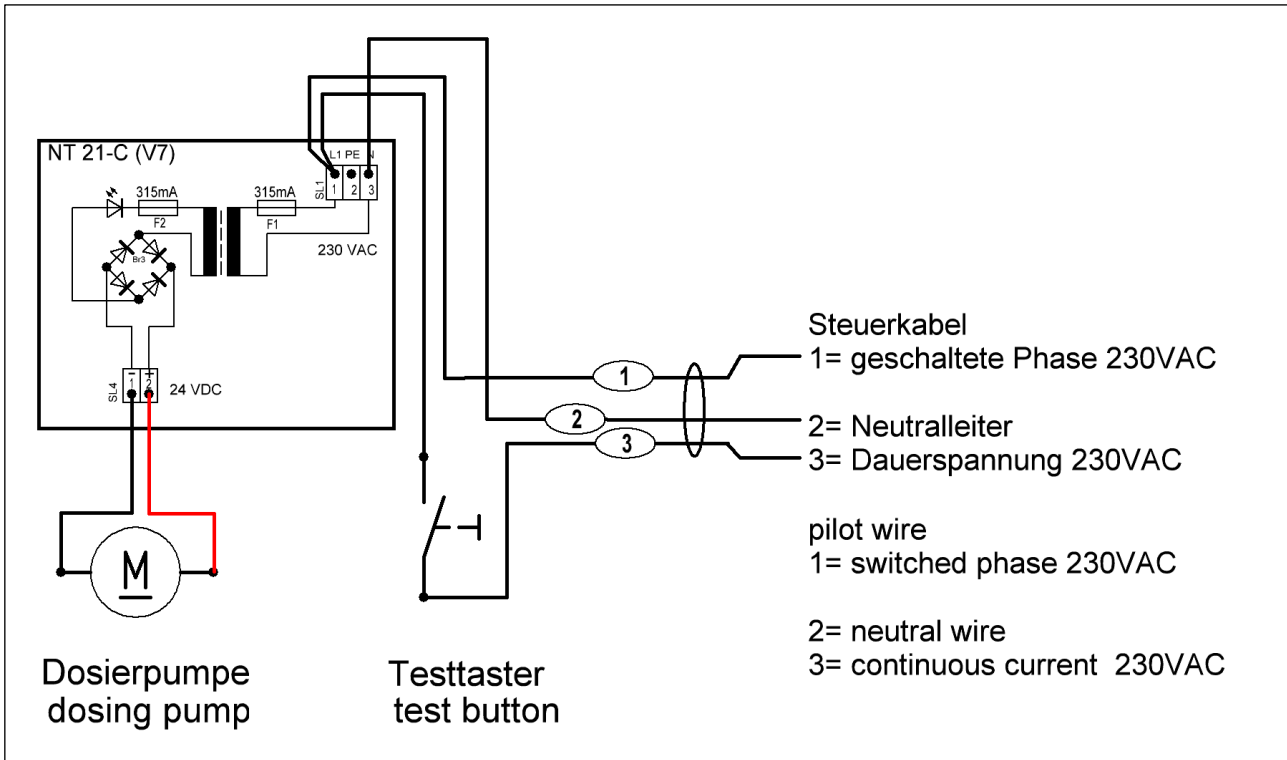
Datum/date: 31.07.2017

Unterschrift/signature: 
 Jochen Rieger – Director

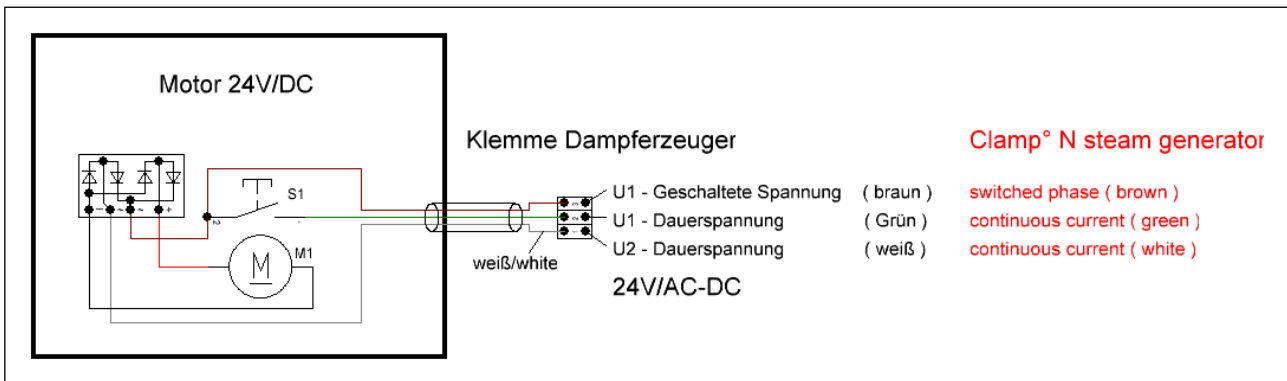


9.2 Terminal plan

Connection 230 VAC, art. 16621



Connection 24 VDC, art. 17551



9.3 Commissioning protocol / instruction

This protocol is to be completed by the commissioning technician! All warranty claims expire when no completed and signed commissioning protocol is available!

The commissioning protocol is included in the documents attached.

9.4 Operating data sheet

No operation data sheet necessary

9.5 Maintenance protocol

Perform the maintenance work listed in order to retain the validity of your warranty.
The maintenance protocol is included in the documents attached.

9.6 Spare parts list, wearing parts list, consumables list



Hint !

Spare parts, wearing parts or consumables means can be ordered at your service partner or dealer.

Spare parts list

<u>Device</u>	<u>Pos.</u>	<u>Description</u>	<u>Item no. WDT</u>
Dosing pump	4	Protective cover for pumping housing SA, transparent	14259
	12	Lock washer for roller carrier SA, blue	13633
	15	Hose holder with hose SA-3.2 Viton	13358
	11	Pump housing SA blue	14140
	21	Sealing disk, felt, SA	14166
	22	Sealing disk, EPDM SA	12709
	23	Geared motor SA	18769
	24	Installation screws, set	17067

Options

<u>Device</u>	<u>Pos.</u>	<u>Description</u>	<u>Item no. WDT</u>
Dosing set	-	Dosing set complete	12596
	-	Dosing valve VA, complete, 3/8" - 4x1mm	
	-	3m dosing hose PTFE 4x1mm	
Dosing valve	-	Dosing valve VA, complete, 3/8" - 4x1mm	15108
	-	Sealing ring 10x2x2mm	10421
	-	Hose connection 4x1mm	10410
	-	Dosing pipe PTFE 4x1mm (internal diameter)	10432
Console	-	Console with round jar with wide neck, 1.5 litres	13892
	-	Console for canister, 10 litres	14391

Wearing parts list

Wearing parts are excluded from the warranty of 2 years. We provide a warranty for half a year on those parts.

<u>Device</u>	<u>Pos.</u>	<u>Description</u>	<u>Item no. WDT</u>
	-	Hose set SA 3.2 x 1.6-Viton – 2x	12782
	17	Roller carrier for hose pump, yellow	12609

List of consumables

Fragrances: A list of the current fragrances is available from WDT.

Commissioning Protocol IP 35 DUFTDOS Type DS / 0-T / 0-Compact



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

Object: _____ Date: _____.____.

City, street, house number: _____

Device type: _____ Year of manufacture: _____ Serial number: _____

	Activity	Completed	Comment
1	<u>Commissioning</u>		
1.1	Device checked for correct installation	<input type="checkbox"/>	
1.2	Settings made on control board and fragrance quantities adjusted to cabin size (Type DS only!) (Observe manufacturer specifications for fragrance concentrate!)	<input type="checkbox"/>	
1.3	Hose pump roller support inserted	<input type="checkbox"/>	
1.4	Correct installation of dosing line checked	<input type="checkbox"/>	
1.5	Device checked for correct installation	<input type="checkbox"/>	
1.6	Device checked for leaks	<input type="checkbox"/>	
1.7	Suction line in fragrance concentrate container inserted up to container base	<input type="checkbox"/>	
1.8	Device started and dosing line vented	<input type="checkbox"/>	
1.9	Device checked for correct operation	<input type="checkbox"/>	
2	<u>Other</u>		
2.1	Operating instructions reviewed and handed over	<input type="checkbox"/>	
2.2	Service and operating personnel instructed	<input type="checkbox"/>	

Additional remarks:

Commissioning and instruction carried out by: _____

Instructed persons: _____

Signature of commissioner: _____

Operator's counter-signature: _____

Maintenance Protocol WP 41

DUFTDOS Type DS / 0-T / 0-Compact



This protocol is to be completed by the maintenance technician! Without a completed and signed maintenance protocol, we reserve the right to assert a warranty regulation.

Object: _____ Maintenance year: 20__

City, street, house number: _____

Device type: _____ Year of manufacture: _____ Serial number: _____

	Activity	Maintenance interval in months													Comment / additional work	
			Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12		
1	<u>Maintenance</u>															
1.1	Check hose pump for function and leaks	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	Check pipes for leaks	3			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		
1.3	Press test button for 10 sec. (Type 0-T only)	3			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		
1.4	Test LED display function (Type DS only)	3			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		
1.5	Change hose set (use only WDT original replacement part)	6						<input type="checkbox"/>						<input type="checkbox"/>		
1.6	Check and clean dosing valve	6						<input type="checkbox"/>						<input type="checkbox"/>		
1.7	Clean device	6						<input type="checkbox"/>						<input type="checkbox"/>		
1.8	Check electric cabling	12												<input type="checkbox"/>		

Additional remarks:

Maintenance performed and device functioning checked: _____ Date: _____
Signature

Operator's counter-signature: _____

