



DISCHER®



DISCHER®



Installation Instructions

Assembly, disassembly and disposal

CLEANING AND DISINFECTION MACHINE

System D3, D3P

Type

- Boy (S)
- Master (S)
- Piccolo (S)
- Compact
- Sink



ENG

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1. General safety signage

In order to draw the user's attention to obligations and risks, listed in this instruction and, if necessary, attached to the device.

				
HAZARD WARNING Danger from Electric shock	ATTENTION Note Notice	WARNING before hot Surfaces	ATTENTION Risk of cutting	ATTENTION Risk of tipping over

2. Transport and storage

Be careful when transporting the cleaning disinfection machine!

- Please wear appropriate protective equipment.
- The device must be stored frost-free.
- The cleaning disinfection machine is attached to a pallet to be transported

3. Assembly

3.1 Preparation

- Check installation location and installation specifications:
 - Is the location for the RDA given or still under construction?
 - Water connections
 - Electrical connections
 - Drainage dimensions
 - When installed in patient bathrooms, the corresponding building regulations must be observed
 - RDAs must not be mounted in ships or outdoors, they are designed for indoor use.
- Prepare the RDA for assembly.
 - Transport protection, remove packaging
- Position RDA at the installation site

	ATTENTION
	The points listed below for mounting the devices cannot always be carried out in this order!

3.2 Installation of wall-mounted devices

- Align the mounting rail and fasten it at the desired height with suitable dowels and screws
- Then attach the RDA
- Mark holes for the actual attachment in the gusset plates at the bottom and top
- Detach the RDA from the wall again
- Drill holes for the load-bearing fastening and provide them with dowels
- For hygienic reasons, seal the back of the device with silicone all the way around the wall if necessary
- Now hook the RDA back into the mounting rail and attach it to the wall with the appropriate screws at the bottom and top

	ATTENTION
	In the case of wall-mounted devices, the fastening system, the 4 attachment points, must be designed for a weight force of at least 500N per attachment point. Before installation, it is essential to ensure that the on-site wall condition is designed for the above-mentioned value.

For the following execution steps, please note point 3.3 (b – m)!

3.3 Installation of floor-standing devices

- a) Align the RDA with the help of the spirit level at the adjustable feet
- b) Connect the cold and hot water inlet (see Figure 4.1 - 4.4 (3) Connect the water inlet)
- c) Connecting the siphon or drain
- d) Connect the electrical supply line from the RDA to the on-site power grid
- e) For hygienic reasons, seal the back of the device with silicone all the way around the wall if necessary
- f) If necessary, attach the RDA to the wall with suitable dowels and screws
- g) With the Boy Plus device type, watch out for the risk of tipping over (see warning)

	ATTENTION: Risk of tipping over
	In the case of the Boy Plus device type, the fastening system, screw/dowels, must be designed for a tensile load of at least 1000N per attachment point at the upper 2 attachment points (on the gusset plates). Before installation, it is essential to ensure that the on-site wall condition is designed for the above-mentioned value.

- h) Position the leakage sensor below the siphon, on the floor
- i) Open the supplied 5 liter canister Calligator® and insert suction lance
- j) Open the main taps for cold water and hot water
- k) Turn on the switch on the controller
- l) Start the RDA according to the operating or operating instructions and tightness on
Check all water-bearing parts
- m) Check that the dosing pump (diaphragm) is properly conveying the medium

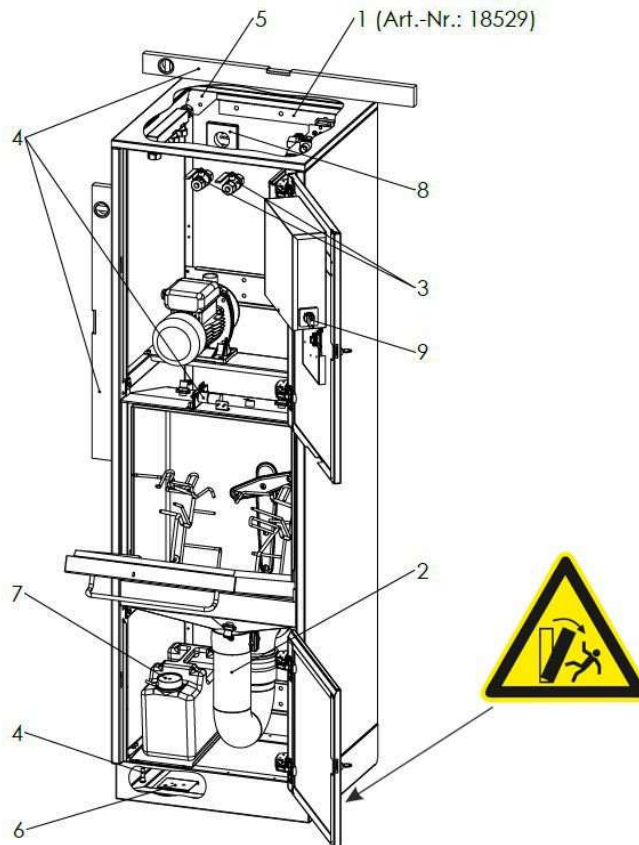
The device is ready for operation if no fault message appears when switched on

The validation of the device was carried out in the course of a comprehensive final test according to EN ISO 15883-1 and EN ISO 15883-3 carried out in the factory

	ATTENTION
	Check the flush chamber door for smooth closure and the door lock for free movement

4. Assembly Drawings

4.1 Assembly Drawing Type Boy



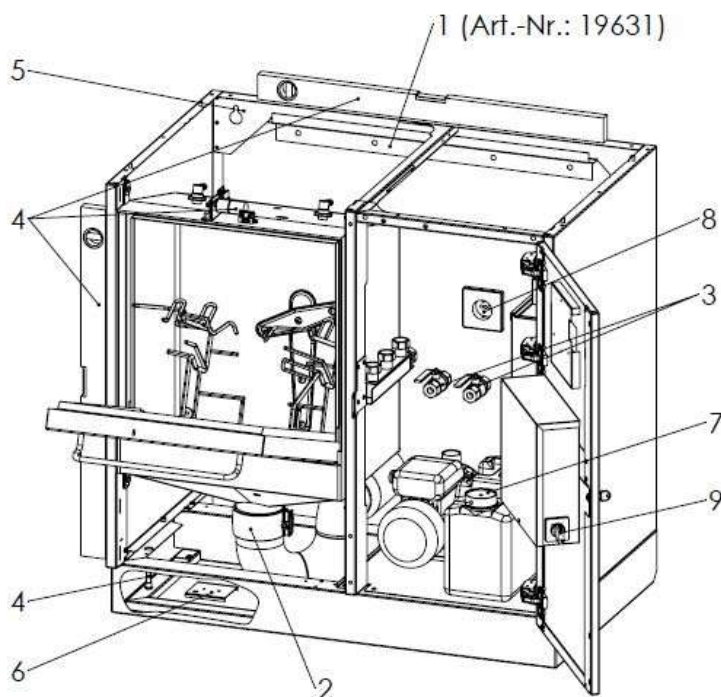
1. Mounting rail for wall mounting (anti-tilt protection)
2. Connecting the siphon or drain
3. Main taps / shut-off valves Inlet for cold and hot water connect
4. Align the RDA with the help of the spirit level at the adjustable feet
5. Mounting the RDA on the rear wall using mounting points
6. Position the leakage sensor below the siphon, on the floor
7. Open the supplied 5 liter canister Calligator® and insert suction lance
8. Connect RDA to the specified power grid
9. Turn on the main switch
10. Perform a functional test

Special case:

When installing the BOY PLUS device, the wall mounting / screw connection of the RDA´ must be designed for a tensile load of at least 450 N per attachment point.

Attention: Pay attention to the nature of the walls! (see dowel recommendations of the dowel manufacturer)

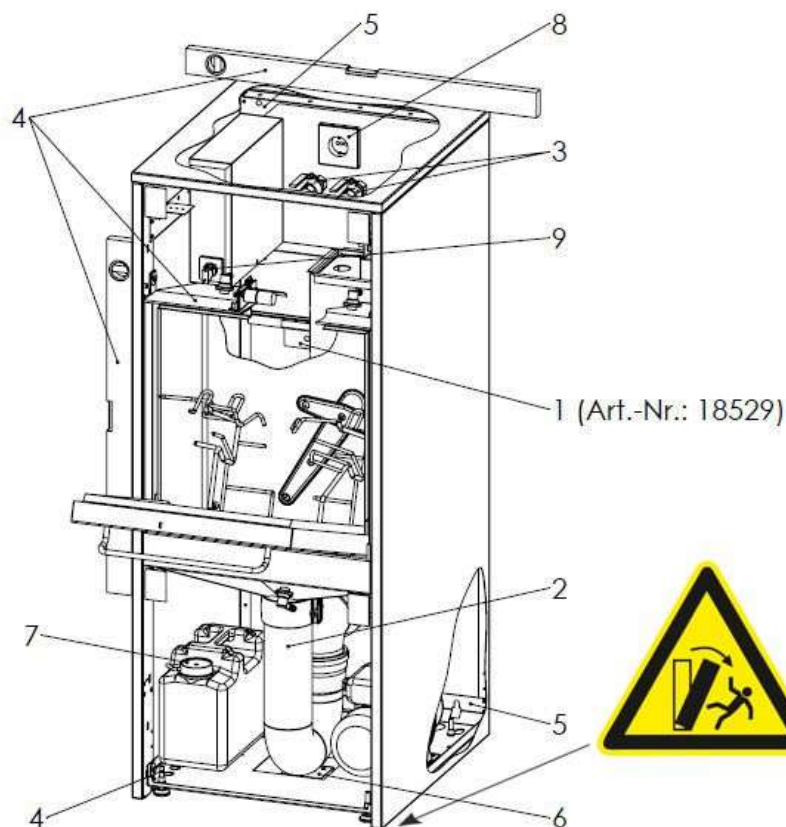
4.2 Assembly Drawing Type Master



1. Mounting rail for wall mounting (anti-tilt protection)
2. Connecting the siphon or drain
3. Main taps / shut-off valves Inlet for cold and hot water connect
4. Align the RDA with the help of the spirit level at the adjustable feet
5. Mounting the RDA on the rear wall using mounting points
6. Position the leakage sensor below the siphon, on the floor
7. Open the supplied 5 liter canister Calligator® and insert suction lance
8. Connect RDA to the specified power grid
9. Turn on the main switch
10. Perform a functional test

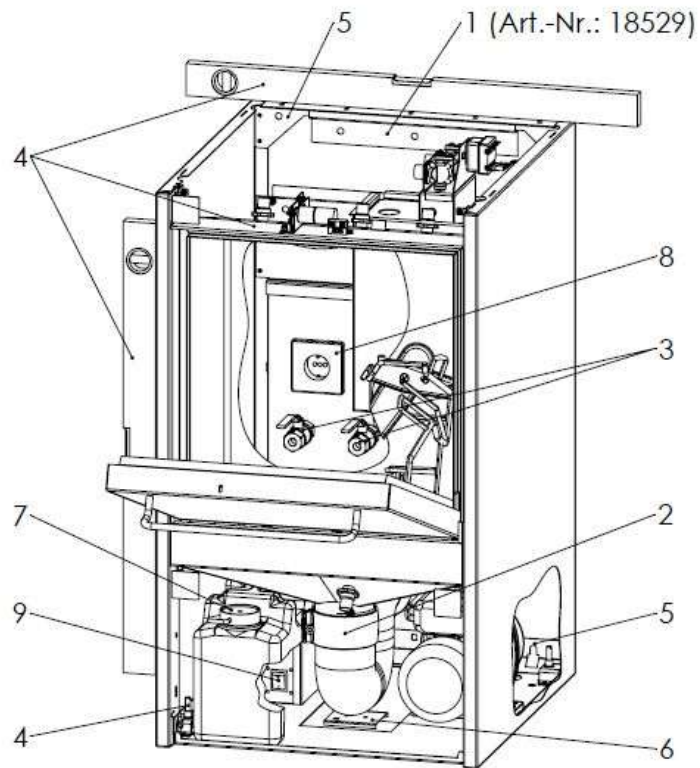


4.3 Assembly Drawing Type Piccolo



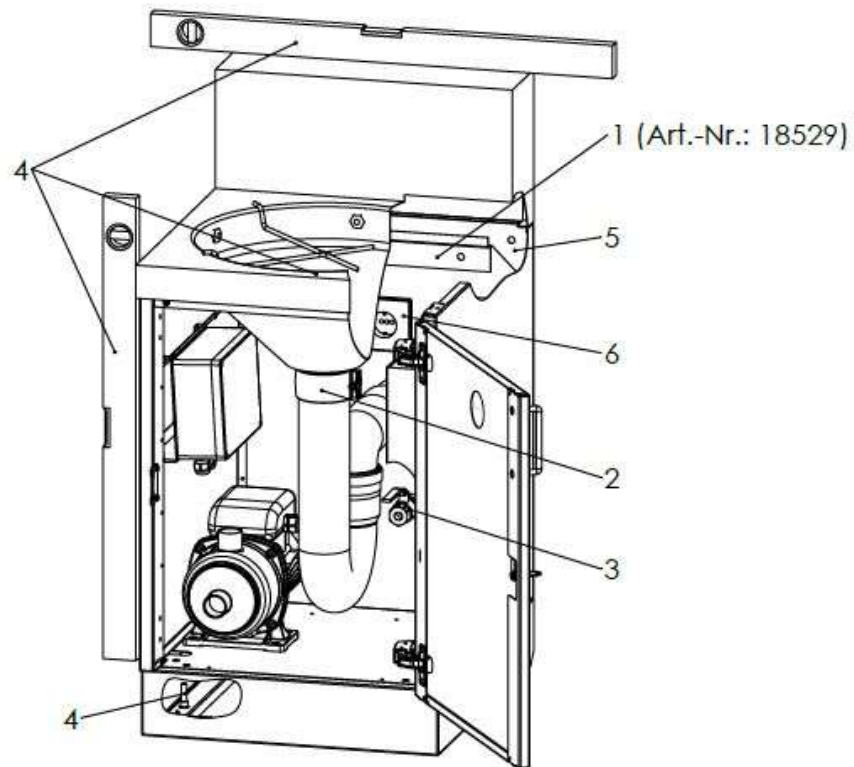
1. Mounting rail for wall mounting
2. Connecting the siphon or drain
3. Main taps / shut-off valves Inlet for cold and hot water connect
4. Align the RDA with the help of the spirit level at the adjustable feet
5. Mounting the RDA on the rear wall using mounting points
6. Position the leakage sensor below the siphon, on the floor
7. Open the supplied 5 liter canister Calligator® and insert suction lance
8. Connect RDA to the specified power grid
9. Turn on the main switch
10. Perform a functional test

4.4 Assembly Drawing Type Compact



1. Mounting rail for wall mounting
2. Connecting the siphon or drain
3. Main taps / shut-off valves Inlet for cold and hot water connect
4. Align the RDA with the help of the spirit level at the adjustable feet
5. Mounting the RDA on the rear wall using mounting points
6. Position the leakage sensor below the siphon, on the floor
7. Open the supplied 5 liter canister Calligator® and insert suction lance
8. Connect RDA to the specified power grid
9. Turn on the main switch
10. Perform a functional test

4.5 Assembly, drawing, Sink



1. Mounting rail for wall mounting
2. Connecting the siphon or drain
3. Main taps / shut-off valves Inlet for cold and hot water connect
4. Align the Sink with the help of the spirit level at the adjustable feet
5. Install the Sink on the rear wall using attachment points
6. Connect the Sink to the specified power supply
7. Perform a functional test

5. Installation water/electricity

5.1 Important information on the water inlet

To properly install the water inlet, keep the following in mind:

- The RDA must be connected to the water network in accordance with local regulations
- Only use the supplied inlet hoses
- The inlet hoses must not be shortened or damaged
- The minimum flow pressure is 30 kPa (0.3 bar)
- The maximum permissible water pressure is 1000 kPa (10 bar)
- If the flow pressure is below 30 kPa (0.3 bar), a feed pump is required
- At a pressure of over 1000 kPa (10 bar), a pressure reducer must be installed
- On site, shut-off valves with 3/4 inch screw connections are required for connection
- The valves must be easily accessible

5.2 Connecting the water inlet

1. Check cold and hot water hoses for damage
2. Assign the inlet hoses to the water types according to the table below

CONNECTION	COLOR
HOT WATER	RED
COLD WATER	BLUE

3. First connect the hoses to the on-site water connections
4. Rinse out any contaminants from the hoses (and the valves).
5. Connect hoses to the RDA (label on the RDA for KW and WW must be observed).
6. Slowly open the valves and pay attention to tightness
7. Fix the cause of leaks

5.3 Power connection

	Hazard warning
	All work involving a fixed electrical connection may only be carried out by an approved or recognised qualified electrician. Under given structural circumstances, the electrical connection must take place before the water installation. In this case, it is imperative to de-energize the on-site electrical connection point and set the main switch on the RDA to 0. A check for freedom from voltage must always be proven with a suitable test device. Suitable testing device: e.g. Duspöl Not suitable testing equipment: e.g. phase tester Once the electrical installation is complete, the voltage is first put back on and then the main switch on the RDA is set to 1.

- The RDA may only be operated with the voltage and frequency specified on the nameplate
- The supply voltage may not deviate from the rated voltage more than +/-10%

Electrical safety is only guaranteed if:

- The RDA is connected to a properly installed protective conductor system
 - RDA is connected to the equipotential bonding system if required by the customer
 - The RDA is connected to a functioning protective conductor
-
- In the case of a fixed connection, the protective conductor/PE conductor must be connected to the specified connection marked on site
 - To increase safety, it is strongly recommended that the RDA be equipped with a GFCI with a trip current of 30 mA (DIN VDE 0664)
 - The electrical installation on site must be sufficiently dimensioned and in accordance with legal requirements. requirements are secured



6. Dismantling and disposal

When dismantling the RDA, environmental damage and hazards to persons and objects must be avoided. It should therefore only be carried out by trained service technicians or in-house technicians with the appropriate tools. When disconnecting electrical connections, water connections, siphons or drains, care must be taken to ensure that they are carried out professionally so that no operating fluids escape.

Follow these steps:

- Make sure the RDA has been completely emptied
- Close the water shut-off valves
- The RDA must be disconnected from the electrical mains before dismantling
- Disconnect the inlet hoses from the water supply before dismantling
- Remove the calligator container
- Remove water from the siphon with a wet vacuum cleaner
- Remove the RDA from the wall
- Making RDA safe for transport

The RDA is now ready for disposal.

Observe compliance with occupational health and safety regulations.

	Risk of contamination
	The requirements of the BioStoffV must be observed

7. Manufacturer's Specifications

	ATTENTION
	The manufacturer is not liable for personal injury or property damage resulting from failure to comply with the above instructions. DISCHER washer-disinfectors comply with the requirements of Regulation (EU) 2017/745 MDR and DIN EN ISO 15883

8. Manufacturer's address



DISCHER Technik GmbH
Fuhr 4-6 • D- 42781 Haan
 ☎ **+49 (0)2104 2336-0**
 ✉ info@discher.de
www.discher.de

