

# Suction Unit **SG-1/2 D**

Universal Single Place Suction Unit



**USER MANUAL**

**Dear customer,**

Thank you for choosing a product from the Wassermann range. Wassermann Dental-Maschinen incorporates the highest standards of quality and the latest technology. In order to enjoy maximum performance and years of trouble-free operation, please read this user manual carefully before you connect this device and start work, and operate the device according to the recommended guidelines. The operation safety and the functionality of this device can only be guaranteed if you follow both the general safety guidelines and the applying laws to prevent accidents as well as the precautions given in this user manual. We are not liable for any damages which occur due to inappropriate usage or faulty operation of this device.



Make sure that anyone using this device has read and understood this user manual.

Keep this user manual in a safe place where it can be referred to as required at any time.



The unit complies with the relevant EU guidelines.



The unit is subject to the EU guidelines 2012/19/EU (WEEE Directive).

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## 1 Features

The SG-1/2 D has an automatic level monitor, which cuts the motor when the filter is full, while simultaneously turning on a red warning light. If this happens, you will need to change the filter.

Turning the unit off cancels the warning light. The filter level is pre-set at the factory.

## 2 Safety Symbols used in this Manual



### Warning!

This is a warning of risk situations and dangers.

Failure to observe this warning could be life-threatening. These warnings has to be observed.



### Information!

This symbol draws your attention to specific features that has to be observed.

## 3 Safety Guidelines

Configuring and operating this equipment requires ***precise knowledge*** and ***observance*** of the instructions in this ***user manual***. The equipment is designed only for its intended application.



### **WARNING:**

Servicing and repairs should be carried out only by authorised specialists.  
Disconnect the power plug before starting any maintenance work.



Make sure that the equipment is connected to the correct power source.

## 4 Responsibility for Operation or Damage

The responsibility for operating the device lies exclusively with the owner or user if said device is incorrectly serviced, maintained or altered by persons not employed by an authorised dealer or if the device is used in a manner contrary to its specified purpose. The unit has to be maintained and operated in accordance with this user manual. Wassermann Dental-Maschinen GmbH is not responsible for damage arising from the **nonobservance** of these instructions.

Warranty and responsibility provisions contained in the sales and supply conditions of Wassermann Dental-Maschinen GmbH are not extended by these instructions.

## 5 Application

The SG-1/2 D suction unit is a technically proven and solid piece of equipment made entirely of metal. It is intended primarily for use with the Cemat-NT range as it has an additional socket for that purpose. Its automatic cut-out feature, when the filter is full, provides additional protection.

Only use the device for this type of application.

## 6 Before Starting

### 6.1 Transport

Before transporting the unit, ensure that it has been unplugged from the power socket. Make sure that it is packed correctly in order to avoid accidental damage.



Be sure to check for any transport damage when unpacking the goods. Note down any damage if found.

## 6.2 Installation

Open the box, remove the packing materials, and carefully lift out the device and accessories. Check the included accessories.

The device has to stand horizontally on a steady and even surface.



Install the device in a place where it will not block the working area and the functionality (take the dimensions into account).



Do not install the unit outdoors or in places without proper ventilation.

Before start-up, be sure the device reaches room temperature.

## 6.3 Storage

The unit location is very important when it comes to workplace safety, even if it is only to be set up there for a short period. The room should be dry, well ventilated and vibration-free. An even temperature and wooden supports also help. The unit should not be stored or set up outdoors. If the unit is to be stored for an extended period, protect it from moisture and dust.

## 7 Installation/ Start-up



**Before** starting the unit, connect up the following:

1. Connect the extractor unit to the mains. (Insert the power plug into the socket, making sure that the mains and the unit operate on the same voltage)
2. Finishing tools can be plugged in to the socket at the side.
3. The switch in the earthed plug is used to turn on the suction as well as the power for the finishing tool.
4. Turn on the green rocker switch.
5. The plate controls the direction of the exiting air.

## 8 Operation

### 8.1 General Operating Instructions

All instructions for using the unit, whether in verbal or written form, are based on our own experience and experimentation and can only be regarded as guidelines.

## 9 Troubleshooting

Fault	Cause	Solution
Full filter red light comes on	Filter full	Change filter or switch to continuous operation
Green rocker switch lights up but nothing happens	Faulty mains switch	Replace mains switch



If the above recommendations do not solve the problem, contact your dental depot or our service department.

## 10 Care and Maintenance

### 10.1 Cleaning



Disconnect the power plug before starting any maintenance work.

The identification plate has always to be kept in easily legible condition and has not to be removed.



Remove external dirt from time to time with some form of cold cleaner.

Use only cold cleaners to avoid damaging the paintwork or removing the lettering.

The equipment should be cleaned at regular intervals to ensure trouble-free operation.

It requires only normal cleaning (sponge, damp cloth, mild detergent) and no further chemical additives.

### 10.2 Maintenance

The unit does not require any servicing. Just make sure that the device is kept clean.

### 10.3 Repairs



Servicing or repairs to the unit has only to be carried out by qualified technicians.

Only original spare parts are to be used. Responsibility for the product is voided if unauthorised persons alter it or if inappropriate components are installed.



## 10.4 Spare Parts

If necessary please contact our service hotline phone.

## 10.5 Service Hotline 0049 (0)40 730 926 -20/ -24

## 10.6 Scope of Delivery/ Accessories

Included parts	Item no.
Supply line with switchable shock proof plug	140022
Conductance sheet	140108
Micro fine dust filterbag	- - -

Accessories	Item no.
Spare micro fine dust filterbag (dust class M) 1 set = 3 pieces	611015
Spare filterbag for plaster (class 1 / class 2) 1 set = 3 pieces	611017

## 10.7 Warranty



The warranty period for our equipment is 12 months. If faults occur within the warranty period, contact your dental depot or get in touch directly with our service department.

Your equipment should only be operated in perfect condition. If faults occur which could harm operators or third parties, the unit should not be used until it has been fixed.

This warranty does not cover damage caused by improper use, external mechanical causes, transport damage or interference with the unit by unauthorized persons.

## 11 Technical Data

Universal suction unit SG-1/2 D – Item-No. 140997

Voltage	220–240 V / 50/60 Hz
Output	105 W
Power consumption	0.5 A
Power consumption connection unit	max. 2 A
W x H x D	410 x 460 x 185 mm
Weight	12.7 kg
Sound level	61 dB(A)
Suction capacity	360 m <sup>3</sup> /h (free-blowing)

Other voltages on request.

The noise level of the unit amounts to  $\leq 70$  dB (A).



Technical changes reserved.

## 12 Disposing of the Unit

The unit has to be disposed by an authorized recycling operation. The selected company has to be informed of all possibly health-hazardous residues in the unit.

### 12.1 Information on Disposal for Countries within the EU



To conserve and protect the environment, prevent environmental pollution and improve the recycling of raw materials, the European Commission adopted a directive that requires the manufacturer to accept the return of electrical and electronic units for proper disposal or recycling.

Within the European Union units with this symbol should not therefore be disposed of in unsorted domestic waste.

For more information regarding proper disposal please apply at your local authorities.

**13 EU Declaration of Conformity**

in accordance with 2014/35/EU (Low Voltage Directive) and 2014/30/EU (Electromagnetic Compatibility Directive) and 2006/42/EC (Machinery Directive) and 2011/65/EU (RoHS Directive)

Manufacturer: **WASSERMANN** Product description: Suction Unit for  
Dental-Maschinen GmbH dental  
Rudorffweg 15-17 applications  
21031 Hamburg  
Germany

Model: SG-1/2 D Item no. 140997

Applicable standards: DIN EN 61010-1  
DIN EN 61000-6-3  
DIN EN 61000-6-1  
DIN 45635-1  
DIN EN 60335-1

Hiermit wird bestätigt, dass die oben bezeichnete Maschine den genannten EU-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung verändert wird.

This is to confirm that the above mentioned machine complies with the described EU guidelines. This declaration becomes invalid if the machine is modified without our approval.

Cette machine est conforme aux normes en vigueur d'Union européenne. Cet avis est nul et non avenant si cette machine est modifiée sans notre accord.

Esta máquina, anteriormente mencionada, cumple con los límites requeridos por el reglamento UE. Ahora bien, esta declaración quedará invalidada en caso de realizar modificaciones al aparato sin nuestra aprobación.

Hiermee wordt bevestigd dat bovengenoemde machine voldoet aan de voorgeschreven EU normen. Deze verklaring verliest geldigheid als er zonder onze uitdrukkelijke toestemming wijzigen aan de machine worden aangebracht.

Place, date: Hamburg, 2020-02-28

Company stamp :



Signature: \_\_\_\_\_  
Sven Wassermann  
(Managing Director)



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