

## ***Safety Cleaner L500***



# **DENIOS.**

### **DENIOS AG**

Dehmer Straße 58-66

D-32549 Bad Oeynhausen

Phone: +49 (0)5731 7 53 - 122

Fax: +49 (0)5731 7 53 - 95 951

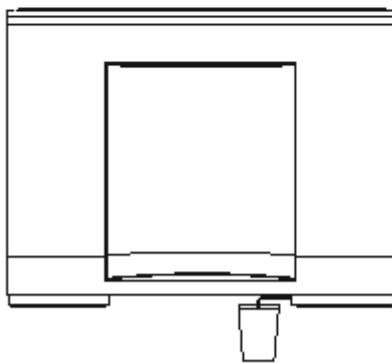
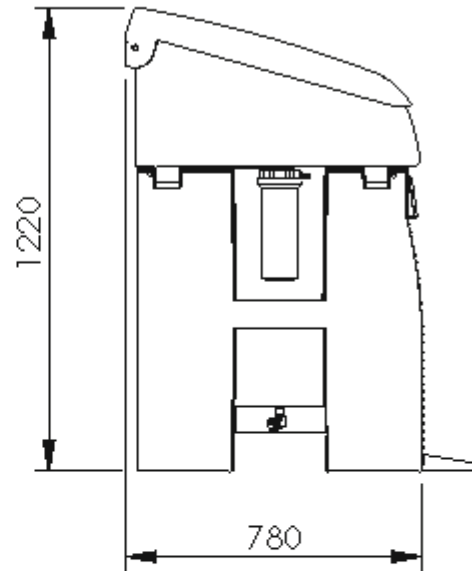
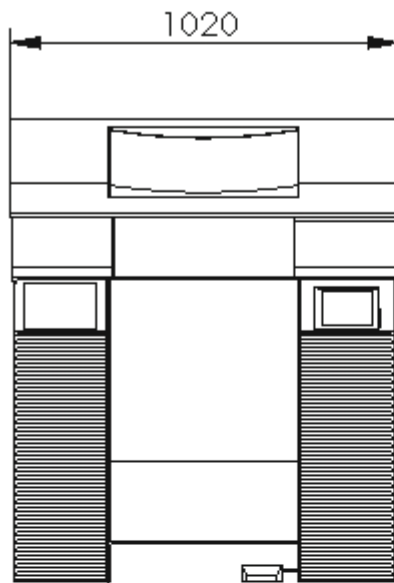
Email: [customerservice@denios.de](mailto:customerservice@denios.de)

Please find your local contact person at [www.denios.com](http://www.denios.com)

T86082\_INT\_004

03/2012

## Dimensional sketch



## 1. Safety instructions

This user manual applies to the solvent parts cleaner. It contains all the information needed regarding correct start-up, trouble-free operation, maintenance, putting out of service and disposal. The hints and instructions in these Operating Instructions must be carefully followed and observed.

If the intended use is strictly followed in accordance with the Operating Instructions, we accept liability within the scope of terms of warranty.

No changes, extensions or modifications may be made to the product without the manufacturer's authorisation. No liability is accepted for changes made without the manufacturer's authorisation with the warranty ceasing to be valid in such a case.

**Comply with the requirements of the Water Management Act (WHG) as well as the applicable Land-specific regulations (VAwS - regarding systems for handling water hazardous substances.**

**National regulations and safety regulations must be observed.**

If you have any further questions, please contact us on our service hotline on 0800 - 753-000-2.



This unit can only be used safely if you have read these Operating Instructions carefully and strictly follow the instructions it contains. These Operating Instructions are an integral part of this unit and must be available to the personnel who operate the unit at all times.

The staff must be instructed about these Operating Instructions and particular attention has to be paid to prohibitions and hazard warnings.



The electrical system has to be designed in accordance with VDE 01000. For safety reasons the equipment must only be operated, if a Residual Current protective Device (RCD) with a release current of 30 mA is connected upstream.

**This must be checked by a qualified electrician.**

**In accordance with the German BGV A3, electrical equipment has to be inspected regularly.**



The device must be placed on a plane, stable and suitable surface.

Detergents containing highly flammable substances must not be used. Only use detergents approved for the use with this unit.

## 2. Technical Data

Design according to BGR 180

Dimensions (W x D x H)	1010 x 785 x 1220 mm
Work surface height	870 mm
Load capacity	250 kg
Net weight	55 kg
Tank	Material PE LD, double walled design, optional discharge unit possible, inclined bottom
Maximum fill capacity	100 l
Table top	can be hinged to the side with arresting device
Usable work surface	925 x 510 mm
Pump, flow rate	approx. 4 l/min
Hose system	Three-way shut-off cock and hose with cleaning brush
Control unit	Foot switch with automatic reset
El. connection	230V / 50Hz with a 3 m-cable and two-pin grounded plug
Filter	350 µm optional
Noise pressure level	< 70 dB(A)

## 3. Product description

The solvent parts cleaner serves for efficient cleaning of workpieces polluted with oil and grease using solvent-based cleaning agents (cold cleaners). In connection with a collecting sump, the parts cleaner complies with all requirements of the Water Management Act.

The unit consists of a sump, table top and cover.

A pump, switched via a 230 V – foot switch, pumps the cleaning fluid to the three-way shut-off cock and further to the cleaning brush.

Only such solvents may be used

- to which PE LD is resistant and that are not decomposed by PE LD
- that are not subject to labelling according to the Hazardous Substances Ordinance
- whose ignition point is  $> 55\text{ }^{\circ}\text{C}$
- whose mass portion of halogen organic substances is more than 1%.

## 4. Commissioning

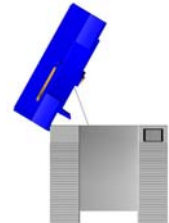
After removing the packaging, check the unit housing and controls for any possible damage caused in transit. If such damage is found, do not connect the unit to the mains. Report damage immediately to the carrier who delivered the unit and to DENIOS AG at the service number indicated above. The original packaging should be kept.

Place the unit in a dry, stable location as required.

The floor must be plane. If necessary, level out any uneven surfaces with suitable shimming material.

### 4.1 Filling in of cleaning fluid

- Fold the table top open from the side and fix it using the attached support rod.
- Pour 100 l of cleaning fluid into the tank.



### 4.2 Electrical connection

The unit is connected to the customer's mains supply system via the power cable and plug.

**Pay attention to correct mains voltage:** The voltage of the power source has to comply with the details on type plate of the unit.

**Caution: The mains supply must be fitted with a residual-current protective device (RCD) in compliance with DIN VDE 0100! (See section 2)**

Connect the unit to the mains.

## 5. Operation

Place the parts to be cleaned in the cleaning basin of the parts cleaner.



Do not exceed the maximum load of 250 kg!

Depending on the setting of the 3-way shut-off cock, parts can be cleaned by:



- rinsing them using the flexible hose and nozzle
- using the brush with detergent running through

**Note:** In the middle position, both outlets are opened.

The pump is switched on by pressing the foot switch and the cleaning fluid flows then from the tank to the cleaning hoses. The dirty cleaning fluid runs back into the tank via the middle outlet.

## 6. Servicing



### Caution!

Before starting work on the cleaning table, switch off the electrical system and unplug the unit! Make sure that the device is disconnected!

### 6.1 Filling level

Check the fill level against the markings on the tank wall regularly and refill lost fluid caused by evaporation and removal. If the minimum filling level should be below 60 litres (lowest marking line), refill cleaning fluid. Only fill in the same type of fluid that is already in the tank.

### 6.4 Cleaning fluid

The cleaning fluid has to be replaced if

- there is a significant reduction of cleaning performance
- when checking the fill level and notable sediment deposits are detected on the bottom of the tank

After you have discharged the used cleaning fluid, remove any sedimentary residues from inside the tank and (if existing) clean the filter.

Please follow the same process when inserting the new fluid as for the initial operation.

## 7. Disposal instructions

### Cleaning fluid

Dispose used cleaning fluid observing the applicable national regulations. The applicable waste code number can be found in the European Waste Catalogue.

### Appliance



According to the directive on used electrical and electronic devices, owners of used appliances are legally required to separately dispose of electrical devices that are not longer usable. Please help to protect the environment by not disposing of worn out appliances with household waste.

## **8. Declaration of conformity**

### **EC Declaration of Conformity**

We hereby declare that the **Safety Cleaner L 500** complies with the following directives:

**EC Directives**

2006/42/EC  
2004/108/EC

**Harmonised standards applied**

EN 349  
EN 12100, -1, -2  
E 60204-1  
EN 12981-1;-2.

DENIOS AG, 20.03.12

Person responsible for documentation  
Mr. Dr. Ing. R. Adenstedt  
-Head of engineering-



**B. Boucke**  
-Executive board-