

Allzweck- und Gewerbesauger GS

zum Nass- und Trockensaugen



Typ-Reihe: GS

Bedienungsanleitung (original)

Operating Instructions

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説明書



Wichtig
Vor Gebrauch sorgfältig lesen
Aufbewahren zum Nachschlagen

Safety advice

The vacuum device is designed for industrial use.

Ideal in combination with an electric tool, on building sites, in workshops, etc.

Danger

- Keep packaging material such as plastic bags away from children.
- ▶ Never stand or sit upon the vacuum device.
- ▶ Particular caution is advised when ascending stairs. Pay attention to standing safely.
- ▶ Do not pull the suction hose and connection line over sharp edges, kink it or shut it.
- ▶ Always lay the suction hose and connection line so that nobody may trip over them.
- ▶ In case of any leakage of foam or liquid, immediately switch off the vacuum device.
- ▶ Always keep dry the inside of the lid.
- ▶ Do not start the vacuum device including its accessories if:
 - the vacuum device shows detectable damage (fissures/cracks);
 - the power connection line is defective or shows fissuring or ageing; or
 - any invisible defect is suspected (after a fall).
- ▶ Do not allow the rotating brushes to get into contact with the power connection line.
- ▶ Do not operate the vacuum device where there is danger of explosions.
- ▶ Keep away the vacuum device from inflammable gases and substances.
- ▶ Do not aspirate any combustible or explosive solvents, materials soaked in solvents, explosive dusts, liquids such as petrol, oil, alcohol, diluents or materials hotter than 60 °C (140 °F).
 - ▷ Otherwise there will be danger of fire and explosions!
- ▶ Use the socket of the vacuum device only for the purposes defined in the instruction manual.

- ▶ In case of any inappropriate usage, improper operation or repair, the producer shall be exempt from liability.
- ▶ Do not use any damaged extension lines.
- ▶ If the connector line of the vacuum device has been damaged, it must be replaced with a special connector line which is available from the producer or their service.
- ▶ Electric brushes: Do not allow the rotating brushes to get into contact with the power connection line.
- ▶ The voltage on the type sign must correspond to the grid voltage.
- ▶ After every use and before any maintenance, switch off the vacuum device and pull the power plug.
- ▶ Pull on the plug only, not on the line.
- ▶ Never plug or pull the power plug with wet hands.
- ▶ The socket must be secured via a household fuse with a suitable current rating.
- ▶ Never open the vacuum device outdoors in rain or storm.
- ▶ Have repairs been made only by experts, e. g. the producer's service. Use original spare parts only.
- ▶ Improperly repaired devices pose a hazard for the user.

Warning

- ▶ ISP/ISC/IS/HS/GS/AS/ES-AR and ISP/ISC/IS/HS/GS/AS/ES-ARD-vacuum devices are not suitable for aspiration/clearing of toxic dusts.
- ▶ Class **M** vacuum devices are suitable for aspiration/clearing of dry, non-combustible dusts, non-combustible liquids, wood dusts and hazardous dusts with workplace limit values of $\geq 0.1 \text{ mg/m}^3$.
- ▶ Class **H** vacuum devices are suitable for aspiration/clearing of dry, non-combustible dusts, carcinogenic and pathogenic particles as well as non-combustible liquids, wood dusts and toxic dusts with workplace limit values of $< 0.1 \text{ mg/m}^3$.

- ▶ Persons (including children) who are, due to their physical, sensory or intellectual abilities or lack of experience or knowledge, unable to safely use the vacuum device should not use it without supervision or instruction by a responsible person.
- ▶ Particular caution is advised with children, elderly or infirm persons.
- ▶ Do not point nozzle, tube or hose at people or animals
- ▶ Use only the brushes supplied with the vacuum device or defined in the instruction manual. Use of any other brushes may pose a safety hazard.
- ▶ Clean and disinfect the vacuum device immediately after use to prevent microbial contamination due to long-term failure to clean it, especially when using the device in food-processing.
- ▶ Do not use any steam jets or high-pressure cleaners for cleaning.
- ▶ Acids, acetone and solvents may corrode parts of the vacuum device.
- ▶ Do not leave the device without supervision. In case of longer interruptions of work, pull the power plug.
- ▶ Do not clean filter cassettes with compressed air
- ▶ Acids, alkalis and solvents can corrode the vacuum cleaner parts.
 - ▷ Clean the container and accessories with water.
 - ▷ Wipe the top section with a damp cloth.
 - ▷ Allow the container and accessories to dry

Product:	Vacuum cleaner for wet and dry applications
Type:	GS
The structure of the equipment is in accordance with the following relevant regulations:	EC Machinery Directive 2006/42/EU EMC Directive 2004/108/EC
Angewendete harmonisierte Normen:	EN 12100-1, EN 12100-2, EN 60335-1, EN 60335-2-69, EN 55014-1, EN 55014-2, EN 61000-3-2
Angewendete nationale Normen und technische Spezifikationen:	DIN EN 60335-1, DIN EN 60335-2-69

Read the operating manual carefully before starting to use the vacuum cleaner. It provides important instructions for the operation, safety, care and maintenance. Keep the operating manual in a safe place and, in case you sell the unit, hand it on to the next owner.

The manufacturer reserves the right to carry out modifications to the design and equipment.

Any other work not covered by this operating manual must not be carried out.

1 Before use

- ▶ When unpacking, check that the delivery is complete and that there is no transport damage.
- ▶ Before using, the operators should be provided with information, instructions and training for the use of the vacuum cleaner and the substances that it is to be used for, including the safe procedure for the removal of the gathered material.

2 Only use original accessories

See enclosed sheet.

Further accessories are given in the special accessories list upon request.

3 Fields of application

For wet and dry suction cleaning. **Not suitable for vacuuming health hazardous dusts.** The suction cleaner with socket and ON/OFF automatic switching system is intended for the connection of electric tools.

4 Assembly

When unpacking, check that the appliance is complete and that there is no transport damage.

4.1 Container ⑫

Open the lock-in closures ⑭ of the 20-l and 32-l container, and lift off the top section ①. Tip over the container and **press in the steering rollers with pivot ⑰** until they lock into place. Screw the large wheels ⑱ onto the axles ⑲; see fig. A.

The supplied steel axle ⑳ for the 45-l container is pushed through the guide on the container, after which the wheels ⑱ and steering rollers ⑰ are mounted as indicated in fig. B.

The steering rollers ⑰ for appliances with 22-l, 35-l and 55-l stainless steel containers with chassis crosshead are mounted as indicated in fig. C.

Insert **suction tube ⑳** (when contained in scope of supply) into the container guide from above and push down until it engages.

4.2 Filters ⑧ - ⑪

Fitting the filters, depending upon the given model:

- Push the **folded filter cartridge ⑧** in a straight manner over the case ⑤, right up to the stop point, and lock the bayonet mount ⑩; see fig. D. The folded filter is suitable for wet and dry suction cleaning.
- **Foam filter**
To suction the water, first remove the folded filter; push the foam filter ⑨ over the casing ⑤, see Fig. E
- Take hold of the **paper filter bag ⑩** at the flange and push vertically from above into the guide of the cyclone suction opening ⑬ until the stop point is reached. The bag must rest against the container wall; see fig. F.
For stainless steel containers, push the flange onto the suction opening at the bottom first and then at the top, then keep pushing as far as it will go.
- **The bag increases the dust retaining capacity and is intended for hygienic disposal. Paper filter bags can only be used for dry suction cleaning.**
- Place the filter sack ⑩ in the container ⑫ respectively for stainless steel containers slip over the edge of the container, see fig. G.
Remove the filter for wet suction cleaning.

4.3 Top section ①

From time to time, or when the suction force decreases, take out the motor protection filter ⑦ for cleaning; see fig. I. Place the **top section ①** right-way-round on the container as indicated in fig. H. Observe the anti-rotation protection. The paper filter bag ⑩ must not be damaged, and the lock-in closure ⑭ must engage securely.

4.4 Socket with ON/OFF automatic switching system

For suction cleaners with socket and ON/OFF automatic switching system.

The socket ②e is intended for the connection of electrical tools. In the "0" switch setting, the socket can be used as an extension line (e.g. for a light).

Connected load: Suction unit and appliance max. 16 A

WARNING! An electric tool must be switched off when it is connected. The socket is always live when the plug is inserted in a mains socket, irrespective of the switch position

The suction openings of electric tools are not standard.

Consequently, an adapter (Rubber sleeve) 547275 is available that can be shortened to fit the given electric tool.

For other suction connections contact your dealer or the manufacturer of the given electric tool.

4.5 Filter cleaning

Appliances fitted with an electromagnetic cleaning device can remove the dust adhering to the folded filter ⑩ by vibration. This ensures optimal use of the folded filter and extends the operating cycles.

The vibrating device should be activated (switch setting V) at the latest when the volume flow display ②d (warning light) lights up.

5 Setting into operation

The appliance is switched ON/OFF or switched into automatic mode with the switch ②a on the top section ①.

The switch ②b is an additional feature on suction cleaners with an ON/OFF automatic switching system and vibrating function:

M	=	suction cleaner >ON< (manual operation)
A	=	Operating readiness for the ON/OFF automatic switching system. (Suction cleaner is switched on and off by the connected electric tool.)

The socket is always live, irrespective of the switch position.

Appliances with a vibrating function:

Adjust the switch ②c to the V setting (vibration) to turn on the vibrator.

Appliances with an electronic suction force control feature a rotary knob ②d with which the suction force can be adapted to the object that is being suction cleaned.

6 Suction cleaning

The suction force of appliances with a handle tube can be matched to the object being suction cleaned with the secondary air slide.

6.1 Dry suction cleaning

Dry suction cleaning must only be performed with a **dry filter**, appliance and accessories so that the dust cannot adhere and become encrusted.

If the appliance is used to vacuum soot, cement, gypsum, flour and similar dusts, it is advisable to use a paper filter bag, and an additional FSP filter sack when larger quantities are involved.

The paper filter bag must always be used in conjunction with a second filter.

6.2 Wet suction cleaning

Suction cleaning is performed without a paper filter bag and without a filter sack. The folded filter is suitable for wet suction cleaning.

Use a dry filter for subsequent dry suction cleaning. An FSS foam filter should be used for larger quantities of water. The float valve interrupts suction when the container is full. Turn off the motor and empty the container and, if necessary the folded filter.

- When taking up water, the supplementary air slide on the handle should be opened slightly.
- Always lift the suction hose out of the liquid before switching off.
- Due to the high suction force and flow-promoting container shape, some water may flow out of the hose when the appliance is switched off.
- The float valve can respond prematurely when larger quantities of fluid are sucked up. Turn off the appliance, remove the filter and empty out the water.
- The filter can be dispensed with when liquid is primarily sucked up.
- A second (exchangeable) filter should be used for frequent changeover between dry and wet suction cleaning.
- When taking up strongly contaminated water, we recommend the use of a washable foam filter instead of the folded filter which has been fitted. If the foam filter is not part of the scope of delivery, this filter can be ordered under the accessory article no. 41 32 97..

6.3 Emptying the container.

Turn off ②a, disconnect the plug ④, and open the lock-in closure ④. Remove the top section ① and hose from the container w. Empty the container or remove the paper filter bag ⑩ from the suction opening.

7 Cleaning

From time to time the filter sack should be brushed or beaten. Folded filters should be cleaned with a soft brush or, possibly, with water. Dry the filter and container thoroughly so that dust cannot adhere to moist parts. To prevent dirt accumulation and encrustation, dry dust must be removed before changing over to wet suction cleaning. Clean the container and accessories with water. Wipe the top section ① with a moist cloth.

Check the function of the float valve, clean regularly and always inspect for signs of damage. (Turn the top section around and see that the float closes properly.)

7.1 Technical testing

A technical examination must be carried out at least once a year by a trained person: check the filter for damage, ensure that the vacuum cleaner is air-tight and check that the monitoring equipment functions correctly.

8 Remedying faults

Functional faults are not necessarily always due a defective appliance.

Fault::	Possible Cause/Remedy:
Decreasing suction force:	Clogged filter – Clean. Paper filter is full – Change Container is full – Empty. Clogged motor protection filter – Clean. Clogged nozzle, tube or hose – Clean.
Appliance does not start:	Is the plug inserted in the socket? Mains failure? Is the power supply cable broken?

No other "interventions" are allowed; consult the servicing workshop (see enclosed sheet "Customer Service Workshops").

9 Technical data.

Appliance version	Voltage	Frequency	Weight
GS 10 ...	220 - 240 V~	50/60 Hz	10 kg
GS 12 ...	220 - 240 V~	50/60 Hz	10 kg
GS 14 ...	220 - 240 V~	50/60 Hz	10 kg

Appliance version	Rated capacity	Maximum capacity
GS 10 ...	1000 W	1200 W
GS 12 ...	1200 W	1400 W
GS 14 ...	1400 W	1600 W

Appliance version	Typical sound level (acc. to DIN EN 60704-1)	Typical sound level with "L" Verlon (acc. to DIN EN 60704-1)
GS 10 ...	72,5 dB(A)	68,0 dB(A)
GS 12 ...	73,0 dB(A)	68,5 dB(A)
GS 14 ...	73,5 dB(A)	69,0 dB(A)

Connecting cable for appliances without socket: H05VV F 2x1
Connecting cable for appliances with socket: H05VV F 3x1.5

We declare, with exclusive responsibility, that this product complies with the EU Directive and the relevant standards: Machinery Directive 2006/42/EU with modifications, EMC Directive 2004/108/EC with modifications.

CE



Old appliances contain valuable materials that can be recycled. Do not dispose of such appliance with the normal domestic waste but rather by way of appropriate collecting points.



IP24 CE

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