



SG1000 BENCHTOP PARTS WASHER 2.5 GAL

OPERATING MANUAL



For technical support, replacement parts, and service assistance, visit: berelax-helpcenter.com/SGcf

THIS MANUAL SHOULD BE KEPT AVAILABLE TO THE USER

OFFICIAL PRODUCTS REFERENCES

Simple Green cleaning solution

Simple Green TABLET BT

SG1000 Benchtop Parts Washer 2.5 gal

WARNING	> DO NOT POUR pollutants or products such as solvent, oil, grease, engine oil, diesel fuel or gasoline, biocides or disinfectants, alcohols, halogenated agents, acid, bases, boiling water, esters or toxic products. Pouring these products into the parts washer may destroy its internal organs and be dangerous for health. > Unplug the power cord for all maintenance actions on the parts washer: draining, cleaning, part replacement. > DO NOT EXCEED the maximum weight capacity of this machine as defined in the User Guide. > READ THE MSDS for the cleaning solution you are using before cleaning.	> Always wear the recommended safety gloves and glasses. > FOR YOUR SAFETY, immediately clean up fluid spills. > Wash your hands after cleaning. > RISKS OF EXPLOSION. This equipment has internal arcing or sparking parts, which shall not be exposed to flammable vapors. This equipment shall be located at least 460 mm (18 inches) above the floor.
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1. GENERAL INFORMATION



CAUTION

Read the instructions carefully before use. Our machines are designed for optimum use with the cleaning solution and microorganism tablets specified on page 2.

Our commitments in terms of performance and commercial guarantee are given on the basis of use of these products. We accept no liability for malfunctions or underperformance resulting from the use of other products.

We thank you for acquiring this biological, solvent-free part washer. The parts washer unit combines the action of a water-based cleaning solution with tablets of special micro-organisms that biodegrade hydrocarbons and regenerate the cleaning bath.

The parts washer is composed of the following components :

- a tank containing the cleaning solution, topped by a work surface
- closing lids which, when open, can be used as parts rests and drip trays
- two carrying handles
- a fluid circuit including a circulation pump and a brush
- A switch to start the pump

- a transformer to power the pump ;
- a cup filter
- a drain plug

The manufacturer reserves the right to make changes to the design of its products at any time with a view to improving them.

1.1 WARNINGS

- 1.** Before use, ensure that the parts washer is placed on a flat, stable work surface.
- 2.** The parts washer must be powered from a 23 poles socket protected by a 30 mA GFI breaker with suitable overload protection.
- 3.** Unplug the machine from the electrical outlet before carrying out any maintenance work, such as draining or cleaning.
- 4.** The brush must always point towards the inside of the tank to avoid spillage.
- 5.** Never add or pour products such as solvents, biocides or disinfectants, alcohols, halogenated products, flammable products, acids, bases, boiling water, esters and toxic products. Pouring these products can destroy the parts washer's internal components and be dangerous to health.
- 6.** Never pour pollutants such as drain oil, grease, etc. directly into the parts washer. The user must ensure

that the products being cleaned do not generate any danger.

7. If the cleaning solution becomes greasy or saturated, it is important to drain the machine and refill the tank with clean liquid.

8. Used fluids must be disposed of in accordance with current regulations.

9. The operator must wear nitrile gloves and safety goggles when using the machine.



10. To work safely, this equipment must be used in a well-lit environment.

11. The parts washer may not be modified without our authorization. In the event of unauthorized modification or modification by an unauthorized third party, we accept no liability for the modification made or for any resulting malfunction of the machine. The parts washer has been designed for use with the cleaning solution and dedicated microorganisms tablets.

12. The parts washer operates with a liquid level of between 6 and 10L (1.6 and 2.6 gal US). When the level is below 1.5 gal US, the liquid will no longer flow from the brush.

13. Ingestion of parts washer consumables is extremely dangerous. In this eventuality, it is imperative to contact emergency services immediately.

14. Limit contact time on all sensitive metals. Never spray parts or leave them in the parts washer with the lid closed overnight.

1.2 DECLARATION OF CONFORMITY

The manufacturer declares that the portable 2.5 gal Bench Top parts washer meets all the safety requirements of the following directives:

- Parts Cleaners [UL 1204:2018 Ed.1 + R:05 Jan 2023]
- Motor-Operated Appliances (Household and Commercial) (R2023) [CSA C22.2#68:2018 Ed.8+U1]

The manufacturer guarantees that this work tool complies with UL&CSA, provided that no modifications are made to the machine by the customer or unauthorized third parties without the manufacturer's authorization.

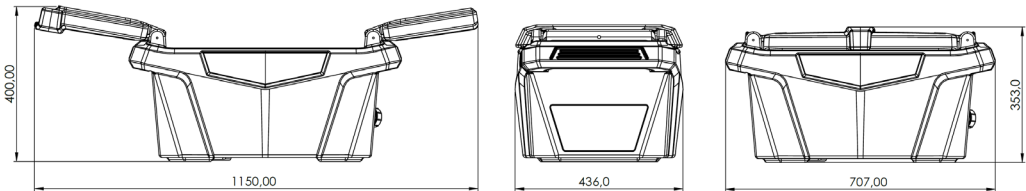
For assistance, please contact your sales representative and specify the serial number at the back of the machine.

SERIAL N°		FS14
	YEAR	2024
POWER SUPPLY: 120VAC - 60Hz - 150mA		
EQUIPMENT: 12VAC - 60Hz - 8W		
 Intertek Conforms to: UL STD 1204 Certified to: CSA STD C22.2 No. 68		

1.3 TECHNICAL DATA SHEET

Parts washer dimension (closed lid)	28 × 17.3 × 14.2 in
Parts washer dimension (open lid)	45.6 × 17.3 × 15.7 in
Working area dimensions	19.3 × 12.6 × 7.1 in
Empty weight	20 lbs
Tank capacity	2.6 gal US
Payload	1 lid only: 22 lbs On 2 lids, evenly distributed: 88 lbs (44 lbs/lid) Into the sink: 132 lbs
Mobility	2 carrying handles. Horizontal movement and storage
Tools holder	Interchangeable brush
Pump flow	158 gal US/h
Pump power	8 W
Electric consumption	60 Wh per 12h of use
Power supply	120 V AC ≈ 60 Hz
Noise level	< 70 dB
Composition	PE
Filtration	Stainless steel filter cup 0.027 in

*Nomade use: can be used in a vehicle via a 6V cigarette-lighter socket and a 6 V-120 V≈ 60 Hz converter.



2. PREPARING AND USING THE PARTS WASHER

2.1 SETTING UP

The machine comes pre-assembled in a cardboard box, except for the adapter and switch, which are connected via a barrel connector. A can of cleaning solution and a box of tablets are also supplied.

- Remove the parts washer from its packaging and check its integrity.
- Check that the pump and its support are properly clipped onto the sink drain.
- Also check that the drain plug is screwed in until the gasket is compressed.
- Position the stainless steel cup filter on the bung.
- Connect the switch to the cylindrical connector on the parts washer, then connect the adapter connector to the switch connector.
- Pour Simple Green cleaning solution into the tank. Use a standard 1:8



Plugging and unplugging the pump

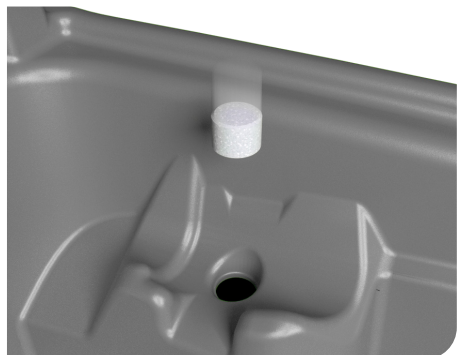
CAUTION

It is the customer's responsibility to carry out tests to validate the cleaning and drying protocol (material compatibility, spraying time, etc.), particularly for sensitive metals such as zinc, brass and aluminum alloys (including those containing silicon).

Never leave a part in the tank, with the hoods closed, overnight.

Keep contact time with sensitive metals to a minimum.

dilution ratio (1 part cleaner to 8 parts water), or refer to the product label for other dilution recommendations. You may also add a micro-organism tablet through the dedicated tablet hole in the parts washer. Keep an empty container available to recover and store the cleaning solution if the tank needs to be emptied.



Inserting the tablet

2.2 USE

Before using the machine, check that the workstation is adequately lit and adapted to the operator's morphology. It is also necessary to check the machine's integrity (no leaks, brush turned inwards, etc.).

Plug the machine to a 2-pole 120 V AC socket outlet, checking that it can deliver 0.5 A. Switch on the pump.

Use the brush to clean the part.

The parts washer can also be used for spraying by positioning the brush on one of the parts washer lids as shown below.



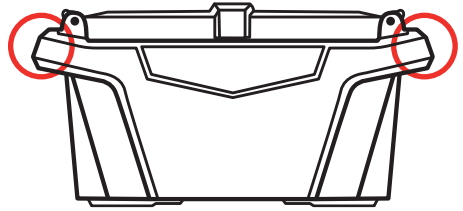
Continuous spray brush

The two lids can be used as parts rests/drainers before and after cleaning. One slot is dedicated to small parts.

2.3 HANDLING

Safety shoes must be worn when handling the machine.

Handles are provided at the extremities of the parts washer to facilitate handling.



Handling handles

The parts washer can be transported, but it is essential to handle it with care to avoid spilling the liquid.

Check that no parts remain on the lids before closing them.

The parts washer must be horizontal, unplugged and closed when moved and stored.

When moving by vehicle, it is imperative that the parts washer is secured, immobilized or tied down. When putting back into service, please refer to **2.1 Setting up**.

The manufacturer does not guarantee that the machine will be watertight when moved.

2.4 LIQUID LEVEL

Visualize the level: remove the cup filter and check that the liquid is above the MIN (minimum) level marked on the pump support.

Once the minimum level is reached, the pump will stop working.

The maximum liquid level must not exceed the bottom of the stainless steel cup filter.



Checking the liquid level

3. MAINTENANCE



CAUTION

Unplug the machine from the electrical outlet before performing any maintenance work on the machine including draining, cleaning, pumping, working on the electrical boxes, etc.

3.1 PERIODIC MAINTENANCE

- Empty and clean the stainless steel cup filter regularly to ensure proper flow into the tank ;
- Add the microorganisms tablet every 4 to 6 weeks. We recommend noting the date.

3.2 DRAINING

Drain the machine when the quality of the cleaning solution is no longer effective.

- Unplug the parts washer, close the lids, open the drain plug and tilt the parts washer until the liquid has drained into a container suitable for reprocessing used product. If necessary, rinse the tank with clear water.
- Replace and close the plug after draining.

The product must be reprocessed in accordance with current regulations.



3.3 PUMP MALFUNCTION

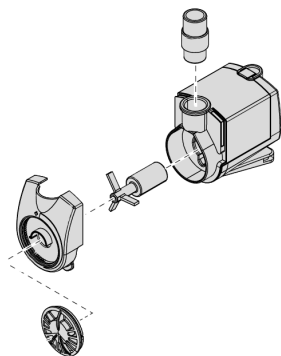
- Check the power supply to the electrical outlet and the connection of the various cylindrical connectors.
- Check that the pump is submerged. Check that the pump and its support are properly clipped onto the sink drain.
- If the fluid level is below the minimum level: add fluid and turn the switch back on.

If the malfunction persists:

- Unplug the parts washer, unclip the pump support, remove the pump cover (light grey part), remove the vane and clean with clear water. Reverse the procedure, reconnect the parts washer and check that everything is working properly.

3.3.1 Pump removal

If the problem persists, remove the pump.



- Unplug parts washer, drain parts washer (**see 3.2**), unclip pump support.
- Disconnect the cylindrical connector between the parts washer and the switch, pull the pump wire through the sink drain to the connector outlet (close the lid to let it pass through).
- Cut clamp, disconnect tube from pump.
- Call your BeRelax sales representative for assistance under the BeRelax commercial warranty or guarantee. (see **4.8**).

CAUTION

These operations must be carried out with the power off. Never drop the pump barrel into the tank.

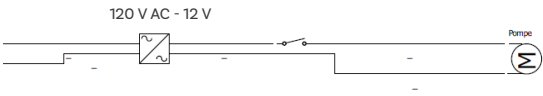
3.4 NEW PUMP INSTALLATION

- To install a new pump, slide the male end of the cylindrical feed connector into the hole under the left-hand lid shaft.
- Grab the connector through the hole in the bung and connect it to the female cylindrical connector on the pump.
- Gently pull the power cable until the cylindrical connection passes through the hole.
- The gasket can be removed prior to operation for easier installation.
- Plug in the switch between power supply and pump.
- Connecting the tube to the pump.
- Clip the pump into its housing on the bung hole.



Installing a hose clamp next to the pump, around the power cable and tube, improves pump stability.

3.5 WIRING DIAGRAM



FS14-ED-240523

3.6 EXPLODED VIEW & SPARE PARTS

N. Reference	Designation
1 CSEQFO000111-8	Tool holder and brush
2 CSEQFO000102	Screw-on brush tool
3 CSEQFO000205	Ø8 and 12 mm tubes set + fitting
4 CSEQFO000938	Pump
5 CSEQFO000946	Cup filter
6 CSEQFO000947	IP65 switch
7 CSEQFO000948	120 -12V AC/AC adapter
8 CSEQFO000944	Yellow drain plug



3.7 LIQUID AND CAN DISPOSAL

The cleaning solution cannot be disposed of down the drain or in wastewater.

The user must dispose of the liquid and cans by a company specializing in waste disposal, in accordance with current regulations.

3.8 MACHINE END-OF-LIFE

At the end of the machine's useful life, the user must dispose of it in accordance with current regulations.

Care must be taken to clean the various components and separate the parts making up the parts washer: metal parts, plastic parts, etc. These parts must be sorted and sent to companies specializing in waste reprocessing.

4. WARRANTY

All parts on the parts washer are guaranteed for 1 year excepting normal wear parts (brush, filters, hoses, etc.) and any parts that may have been damaged by incorrect use, negligence or accident. The guarantee will run as from the parts washer's date of invoice.

The degreasing parts washer has been designed for use as described in the operating instructions. Any modification made to the parts washer will lead to the guarantee being declared null and void. This also applies if any consumables are used other than those indicated in this manual.

The manufacturer cannot be held in any way liable for any damage caused

by using the parts washer in any way other than the way recommended in the operating instructions, in technical datasheets and in the safety data concerning associated products.

The manufacturer reserves the right to modify the design of his products for improving them at any time.

5. YOUR DISTRIBUTOR

For further information, please get in touch with your usual sales contact.



YOUR SALES CONTACT

simple
green®