

i-gum[®]

Portable gas chewing gum removal system

User manual



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i-team[®]



Original user manual, written in the English Language
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Model: I-GUM GAS VERSION

Date: 08/07/2019

Product code: IGM.I-V.1100C/1

Version: v.01



Preface

Thank you for purchasing the i-gum[®] chewing gum remover: the powerful easy to use tool that can eliminate your sticky problems in a matter of seconds. Removing patches of chewing gum has never been easier. The i-gum[®] requires no dangerous chemicals, instead it uses a specialized water-based gum remover solution in the form of steam to break down the chewing gum. The gum remover solution is environmentally friendly, and it leaves no stains or residue. The cleaning does not require scrubbing, just a light agitation in a circular motion is all it needs. The chewing gum breaks down and dissolves away after 6 to 10 seconds. This makes the i-gum[®] chewing gum remover fast, safe, green and clean.

The i-gum[®] is easy to use when you follow the instructions. Please read the user manual carefully. Become familiar with the correct operation and maintenance procedures. Store the manual in a safe place. The manual is an essential part of the i-gum[®] and must be handed over to the new owner upon resale or exchange. Each i-gum[®] has a unique identification number that can be found on top of the main body. Your i-team dealer needs this number when you order parts.

When this manual refers to “the manufacturer” this means: Future Cleaning Technologies B.V, an affiliate company of i-team in Eindhoven, the Netherlands. When this manual mentions “the partner” your local i-team resell and support service partner is referred to.

Purpose of the user manual

The purpose of the user manual is to provide the user with information during the life of the i-gum[®] in such a way that the i-gum[®] is used correctly, efficiently and safely, even in the event of reasonably foreseeable misuse.

The user manual contains instructions regarding:

- Personal operator safety
- Intended and non-intended use of the i-gum[®]
- Instructions for daily use
- Maintenance instructions
- Storage conditions
- Disposal of the i-gum[®]

These instructions must be considered to avoid risks that could lead to physical and/or material damage.

Target audience

This user manual is intended for operators of the i-gum[®] and their supervisors, as well as dealers and importers.

Operators of the i-gum[®]

The i-gum[®] may only be operated by a person who:

- has correctly read and understood the instructions in this manual.
- is trained by an experienced operator who has read and understood the instructions in this manual.



Reading guide

The following symbols and terms are used throughout this manual to alert the reader to safety issues and important information:

Symbol	Term	Explanation
	WARNING	Indicates a hazardous situation which, if the safety instructions are not followed, can lead to injuries of the operator or bystanders, light and/or moderate damage to the product or the environment.
	CAUTION	Indicates a hazardous situation which, if the safety instructions are not followed, can lead to light and / or moderate damage to the product or the environment.
	STRONG MAGNET	Indicates the machine contains strong magnets. These can cause pacemakers to stop or cause electronic data to be damaged, for instance on information stored on access passes.
	PACEMAKER	Indicates operators and maintenance crew wearing pacemakers should keep a minimal distance of 6 inch/15 cm. In this specific case operators may not use the machine as a backpack.
	PRESSURIZED CYLINDER	Indicates a gas-operated machine, gas cartridges must be installed according to the instructions in this user manual. Gas cartridges must be disposed of according to your local laws and regulations.
	BATTERIES	Indicates a battery-operated machine, batteries must be charged according to the instructions in this manual and the instructions at the charger.
	PROTECTIVE EYEWEAR	Indicates protective eyewear is advised, for instance when filling the machine with cleaning solution.
	WASH HANDS	Indicates the operator is advised to wash their hands, for instance after filling and/or draining the cleaning solution.
	HOT SURFACE	Indicates hot surfaces of parts of the machine. Hot surfaces can cause burns in contact with skin over longer time.
	SLIPPERY SURFACE	Indicates the machine can cause floors to become slippery. Marking the workplace with slippery surface signs is advised.



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1 Introduction

The i-gum[®] is an easy and safe machine to use, this manual helps you get started and explains the operation and maintenance procedure. You will be surprised how fast and effective the i-gum[®] is, only a few seconds per gum patch are needed. The actual time depends on the age of the chewing gum patch, the surface as well as the ambient temperature.

The i-gum[®] G is the gas-operated version. The butane propane mix gas cartridges used in the i-gum[®] G are fitted with a standard type EN 417 threaded, self-sealing safety valve. Please refer to the instructions on the bottle for correct procedure. The built-in battery operates amongst other things the gas ignition and the operation display. An included battery charger charges the battery. Please refer to the instructions at the charger and this manual for correct procedure.

This manual is intended for those who work with the i-gum[®] and perform daily maintenance. The manual must be read in full before the first actions. This manual describes the correct method of use, safety measures, maintenance and transport. And finally, the manual contains information about the consumables:

- the gum remover solution,
- the brushes.

i-team Global continuously improves all their products based on user experience and feedback. Any deviations between the texts and/ or images from the manual and your i-gum[®] can therefore arise from the difference in model or from possible changes due to continuous development and innovation.

1.1 Intended use of the product

The i-gum[®] is a specialized machine for chewing gum removal on floor surfaces only. You can use the i-gum[®] as a trolley or carry the lightweight main body as a backpack, using the harness (see Figure 1).



Figure 1



The solution can cause floors to become slippery; it is advised to mark the floor of the job site to warn people. (Please note: the wet floor sign is not part of the i-gum[®] system delivery).

In order to use the i-gum[®] on hard (outdoor) as well as soft (indoor) surfaces, both steel and nylon brushes are provided. These brushes are easy to replace. Select the right brush for each job, see Table 1 below.

Steel brush

Concrete, tarmac, asphalt, hard brick paving, natural stone.

Nylon brush

Sandstone, soft brick paving, wood, carpets.

Table 1

The gum remover solution will not leave marks; however, it is known in some isolated cases the heated steam will affect the varnish of wooden floors and can create a dull spot. When not sure about the surface: always use the nylon brush and try-out the i-gum[®] in a discrete place.

1.2 Non-intended use of the product



WARNING

Non-intended use can have consequences for the safety of operators and bystanders and will void the warranty on the product.

The i-gum[®] is not intended to remove anything else than chewing gum patches on floors. It is only effective using the specialized water based i-gum[®] gum remover solution. Filling the tank with clear water will not remove gum patches and therefore is pointless.

The steam lance may not be raised higher than horizontal during operation as the hot gum remover solution cleaning fluid can cause burns (see Figure 1).

DO NOT fill the i-gum[®] with any other detergent. Alternative products will void the manufacturer's warranty, more importantly they may also cause serious harm to the operator. For instance, as the fluid is heated to steam any alcohol-based detergent can catch fire, other products might cause toxic fumes. **ONLY** use the specialized water based i-gum[®] gum remover solution or other solutions provided by the manufacturer.

1.3 Lifespan



CAUTION

To ensure proper and safe operation throughout the life of the i-gum[®], the i-gum[®] must be checked every 1,000 hours minutes by an authorized i-team partner.

The main control panel on the side contains a counter that indicates the number of minutes the machine is used.

1.4 Modifications

It is not permitted to make modifications to the design of the i-gum[®] without consultation and permission from the manufacturer. This affects the warranty, see 1.6.



1.5 Specifications

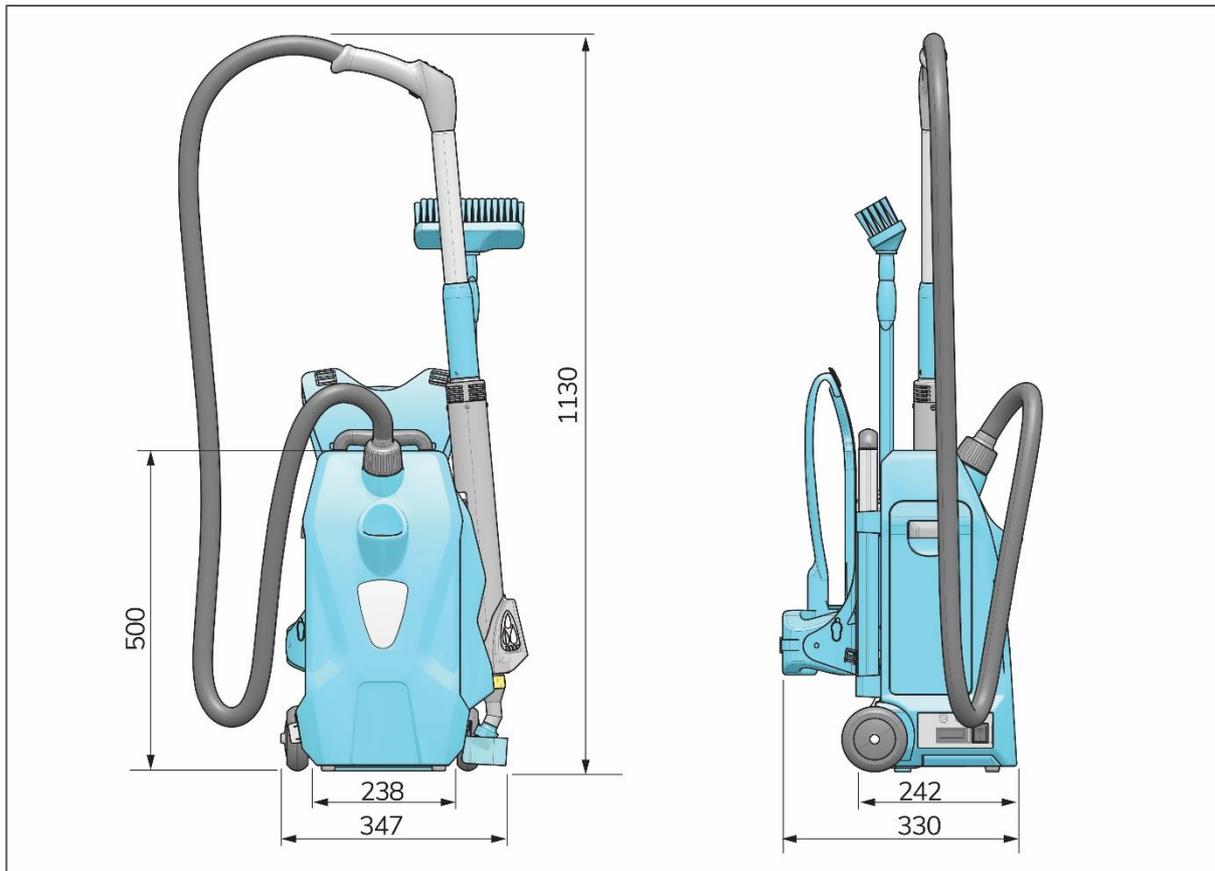


Figure 2

Product Size (body unit):	347*330*500 mm
Lance Size:	60*1100 mm
Weight (including 2 gas cartridges):	10.5 kg
Lance Weight:	1.6 kg
Broom Extended Length:	1.3 M
Li-on Battery:	14.8V 6.6Ah
Gas Cartridge Drawer Capacity:	2 Gas Cartridges
Operation Time of Gas Cartridges:	About 4 hours/ Cartridge; About 8 hours/ 2 Cartridges
Fluid Flow Speed Class	Low, Middle, High
Tank Capacity:	2.5 L
Control Panel in Handle:	YES
Trolley Handle:	YES
Transport Wheel:	YES
Backpack for Body Unit:	YES
Fluid Shortage Warning:	YES



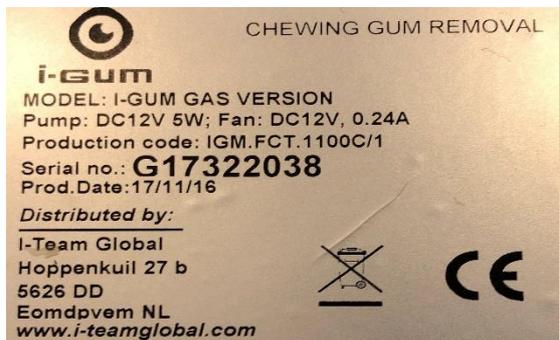
1.6 Warranty

The i-gum® should only be operated with the materials supplied. Using alternative supplies may cause damage to the i-gum® and may cause a risk to the operator. The use of alternative supplies voids manufacturer's warranty.

1.7 Identification

Each i-gum® has a unique identification number that can be found on top of the main body. Your i-team dealer needs this number when you order parts.

Explanation type plate:



Product type: i-gum® G

Serial number: G17322038

Power supply and capacity: DC 12V 5W

Manufacturer: Future Cleaning Technology B.V.

Country of assembly: PRC

Figure 3



2 Description

The compact lightweight i-gum[®] consists of two main parts:

1. The body that contains the cleaning solution and the gas cartridges and that can be carried as a backpack.
2. The steam lance with the integrated gas heating installation to deliver the heated gum cleaner solution exactly on the gum patch.

The brush attached to the steam lance is not intended for scrubbing, only a light agitation is needed. The heated solution will break down the chewing gum in a matter of seconds. A broom is provided to sweep away the gum residue.

The i-gum[®] consists of:

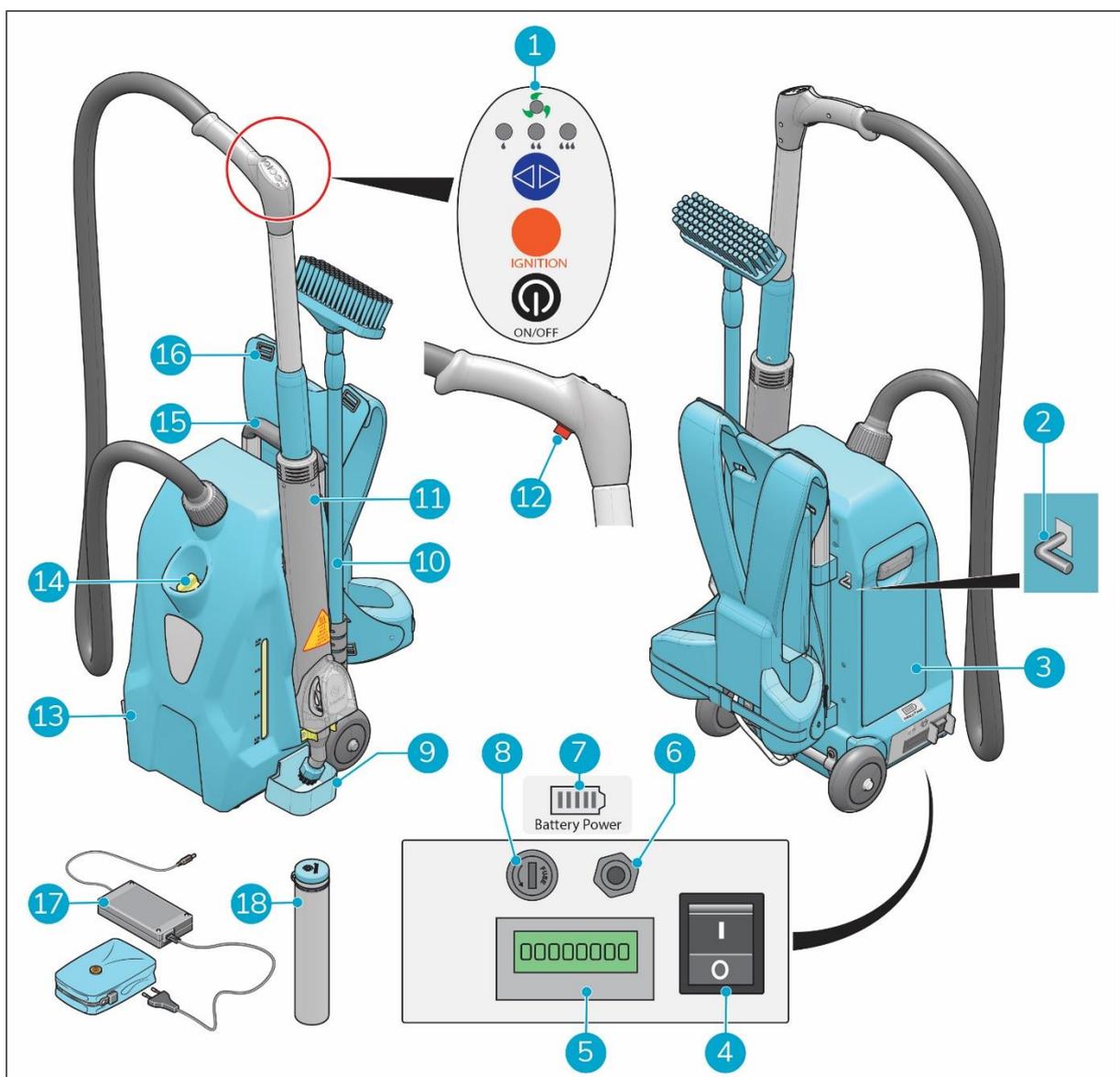


Figure 4



1. The control panel to use during operation.
2. The safety pin for opening the gas cartridge holder.
3. The gas cartridge holder containing two gas cartridges and the gas valve.
4. The main power switch.
5. A counter showing the number of minutes the machine is used.
6. A charger plug for the built-in battery charger.
7. A battery power indicator.
8. A fuse holder.
9. A drip tray to avoid spillage.
10. A broom and broom holder to sweep the gum residue.
11. The steam lance with an integrated gas heating Installation and a separate brush, connected to the body.
12. The SELF-LOCK button.
13. The main body.
14. The gum remover solution tank sealed by a yellow stopper.
15. Wheels and a handle to use the i-gum[®] as a trolley.
16. The back plate and harness to use the i-gum[®] as a backpack.
17. A battery charger and a storage bag for the battery charger.
18. A brush storage tube to store spare brushes.



3 Safety

Safety comes first, therefore please take time to read and understand these safety instructions. Improper use can cause harm or void the manufacturer's warranty.

3.1 General Safety Instructions



WARNING

The functional part of the i-gum[®] consists of a steam lance and brush. The steam lance is insulated, however the grey part (fig 5, pos 1) should not be touched. The temperature stays well below 60°C.



CAUTION

Always keep the body of the i-gum[®] in an upright position when gum remover solution or batteries are inserted.

3.1.1 Trolley operation



CAUTION

When using as a trolley remove the harness as the machine can trip over loose straps.

It is recommended to keep the steam lance (Figure 5, pos 1) stored in its holder when moving to the job site. The drip tray (Figure 5, pos 2) is only used for rinsing the machine, see 6.5.2).

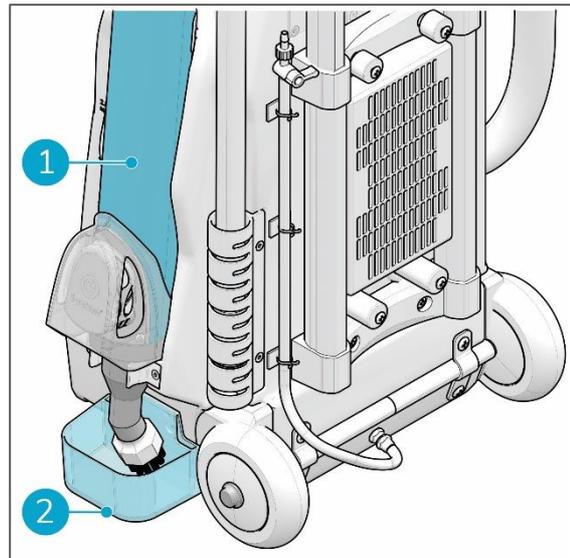


Figure 5



3.1.2 Backpack operation



CAUTION

It is impossible to reach and store the steam lance in its holder when wearing the i-gum® as a backpack. Always keep the lance in your hand when the machine is operational.

When using as a backpack fit the machine to the operator and adjust straps before inserting the batteries or filling the tank with the gum remover solution. Proceed only when the operator is comfortable using the backpack, else use the i-gum® as a trolley.

3.1.3 Brush condition

Make sure to check the condition of the brush before use, change the brush only when the machine is turned off and the steam lance is cooled.

3.1.4 Machine orientation

Always keep the body of the i-gum® in an upright position when gum remover solution or gas cartridges are inserted.

3.1.5 Strong magnets



CAUTION

Please be aware of the integrated magnets that hold the steam lance in its holder.



WARNING

Operators and maintenance crew wearing pacemakers should keep a minimal distance of 6 inch/15 cm. Operators wearing pacemakers should never use the backpack operation mode.

3.1.6 Gas cartridges



WARNING

During normal operation the butane propane mix gas cartridges cause no safety hazard on their own. Please read the safety instruction at the gas cartridges carefully before use.

3.1.7 Batteries



CAUTION

During normal operation the built-in battery causes no safety hazard. Please refer to the instructions at the charger for correct procedure.



3.2 Risks during operation

3.2.1 Careful hot surface



WARNING

Even when the general safety instructions are followed, some small residual risks remain when operating a machine that creates steam.

- **DO NOT** touch the steam lance below the blue handle. The risk of burns is minimal, comparable with a running hot tap.
- **DO NOT** operate barefoot, wear closed shoes while operating the machine.

3.2.2 The gum remover solution



WARNING

The water based i-gum[®] gum remover solution does not provide significant hazards, however, please be aware of these general safety rules:

- Keep locked up and out of reach of children.
- Keep away from food, drink and animal feedstuffs.
- When swallowed, seek medical advice immediately and show the bottle. **DO NOT** induce vomiting.

3.2.3 Personal protection



CAUTION

Can be irritating to the eyes, wear eye protection and use caution when filling.



CAUTION

Clean your hands immediately after filling or draining the machine.



CAUTION

The water-based cleaning solution is non-corrosive, no special footwear is required. However, the solution is heated to steam, and it is recommended to wear closed shoes.

3.2.4 Mark the job site



WARNING

During operation the gum remover solution can cause slippery patches on the floor, it is advised to mark the job site to warn passersby.



4 Transport and storage



CAUTION

Always keep the body of the i-gum[®] in an upright position when gum remover solution or gas cartridges are inserted. Don't expose the i-gum[®] to open fire.

- Drain the machine after each use before storage or during transport (see 6.5.1).
- Store the steam lance in its holder during transport and storage.
- The gas cartridges can remain in the machine during storage and transport.
- Store the i-gum[®] in an upright position, under normal storage conditions. Don't expose the i-gum[®] to open fire.



5 Assembly and installation

The i-gum[®] does not require much assembly, most importantly you will have to decide how to use the machine: as a trolley or as a backpack using the harness.

5.1 Unboxing

The i-gum[®] is packed in 1 box, containing:

1. The i-gum[®] itself including a starter package of brushes, gas cartridges and cleaning fluid.
2. The battery charger and the storage bag for the battery charger.

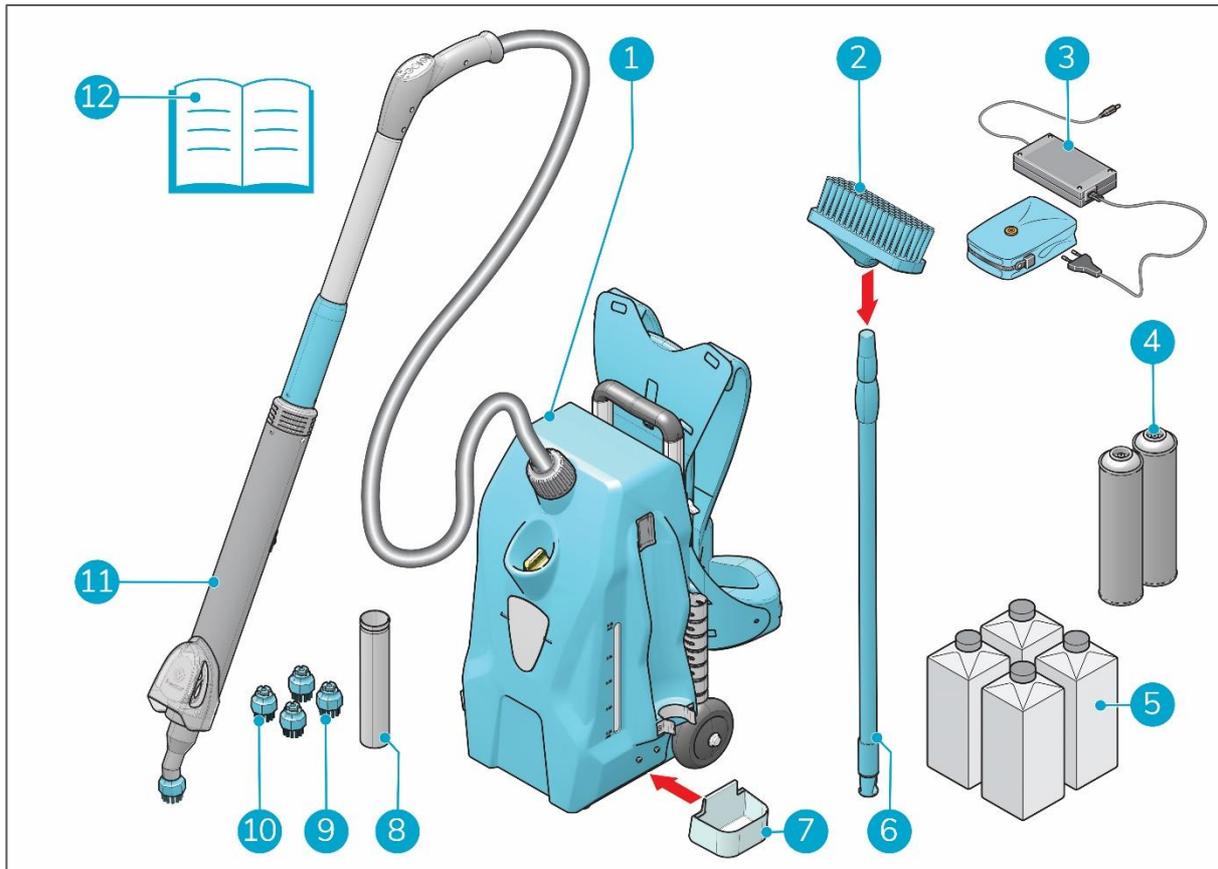


Figure 6

Legend

- | | |
|--|--|
| 1. 1x i-gum [®] main body, harness attached | 7. 1x drip tray |
| 2. 1x broom | 8. 1 x storage tube for spare brushes |
| 3. 1x battery charger 220 V plus cable and storage bag | 9. 3x steel brushes, one attached to the steam lance |
| 4. 2x gas cartridges | 10. 2x nylon brushes |
| 5. 4x bottles of gum remover solution | 11. 1x steam lance |
| 6. 1x broom handle | 12. This user manual |



5.2 Assembly

1. Attach the drip tray (Figure 8, pos 2) to the body.
2. Click the lance (Figure 8, pos 1) into the holder (Figure 8, pos 3), with the metal plate facing the main body.
3. Screw the broom on the broom handle.
4. Place the broom in the broom holder (Figure 8, pos 4).
5. Place the spare brushes in the storage tube (Figure 8, pos 6).
6. Attach the storage bag for the battery charger (Figure 8, pos 5) to the body if desired.

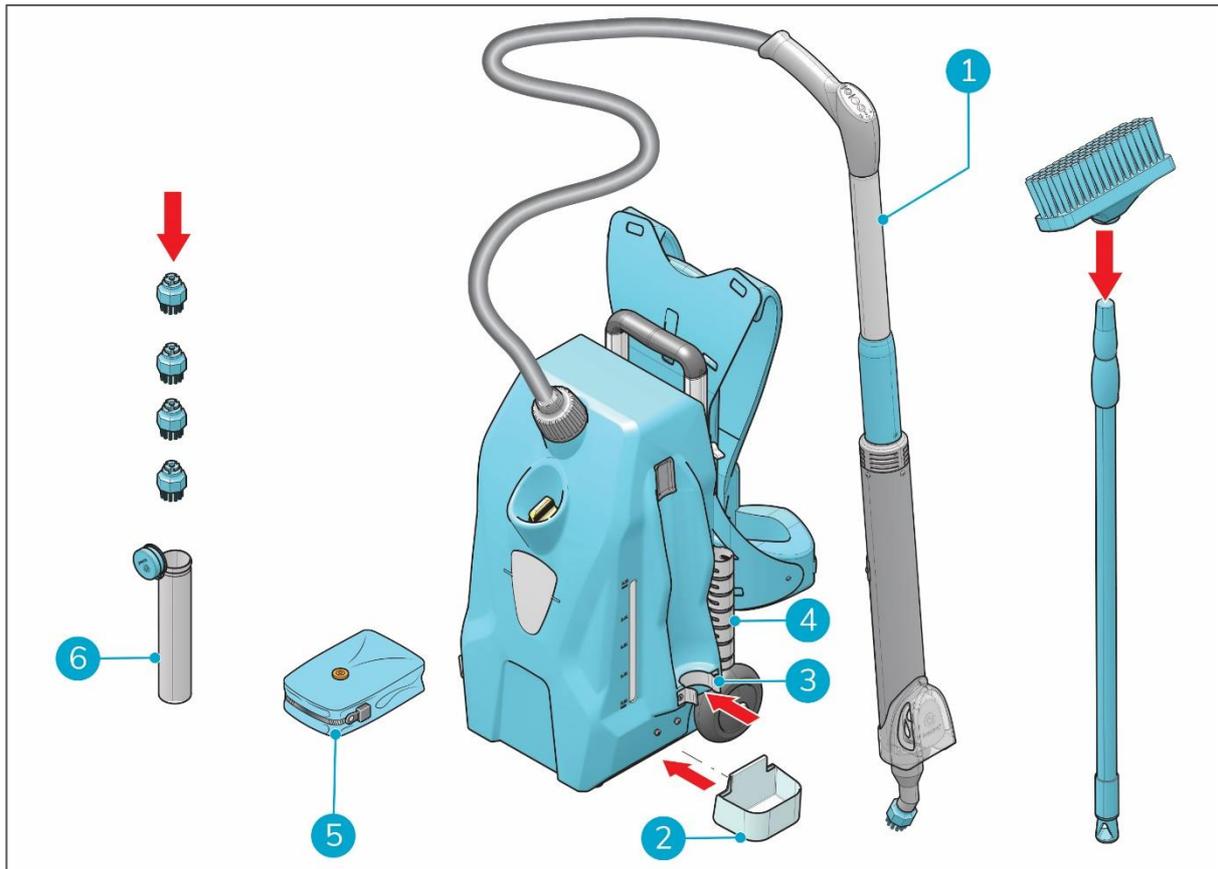


Figure 7



5.3 Trolley or backpack operation

5.3.1 Trolley operation

When you use the i-gum® as a trolley it is advised to remove the harness so loose straps cannot be caught between the wheels. To remove the harness:

1. Remove padding (Figure 9, pos 1) that is attached to the back plate with Velcro.

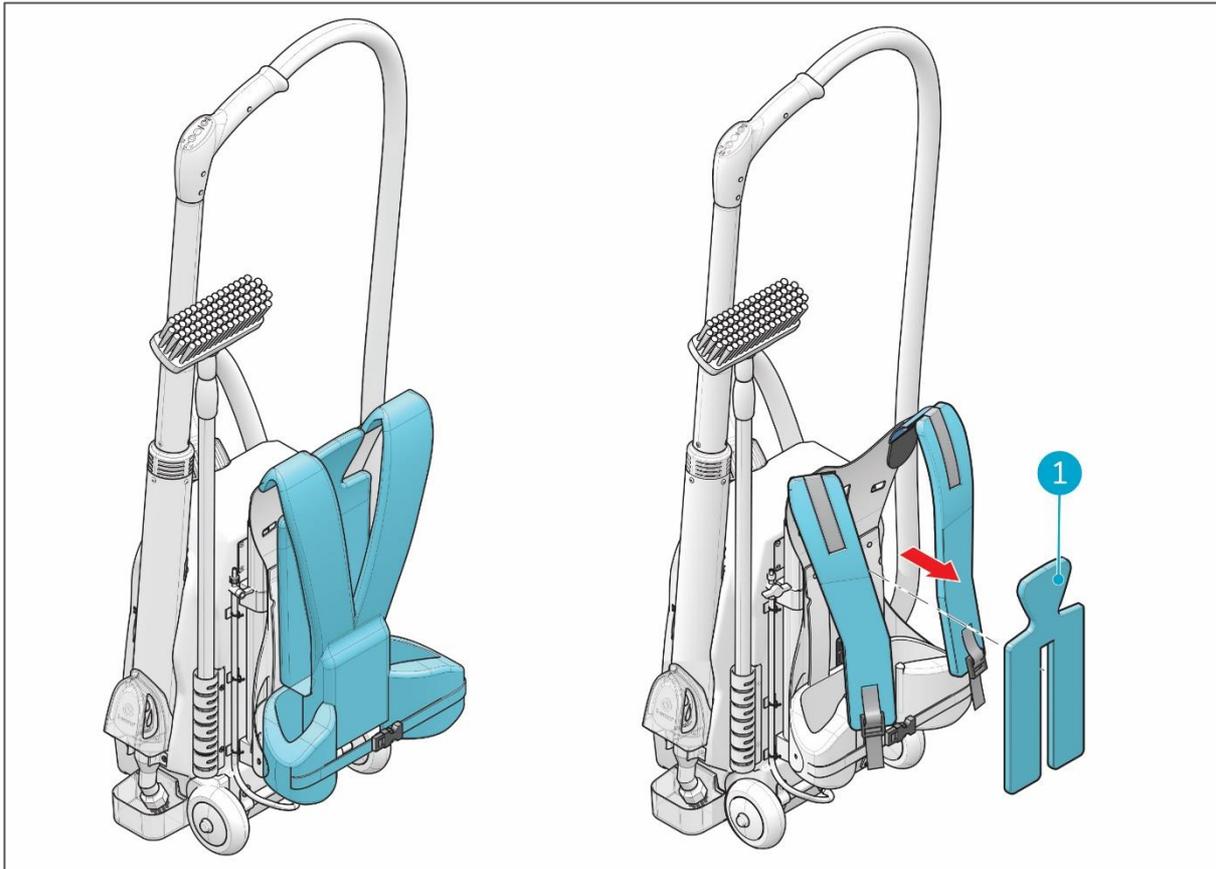


Figure 8



2. Unscrew the four screws (Figure 10, pos 1) using a Philips screwdriver.
3. Remove the back plate (Figure 10, pos 2).

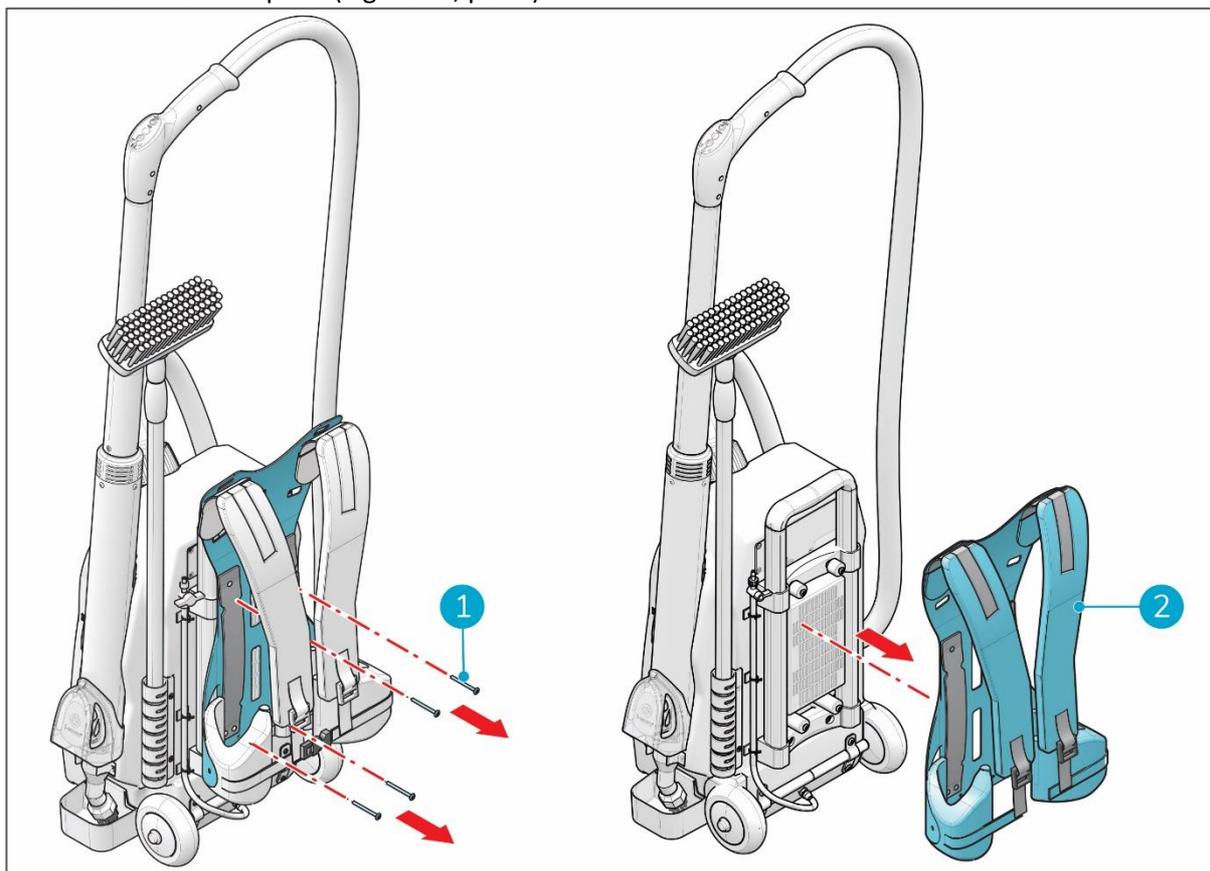


Figure 9



4. Put the four screws back in place, as these also hold the trolley handle (Figure 11, pos 1).

TIP:

Keep all removed parts safely stored for future use.

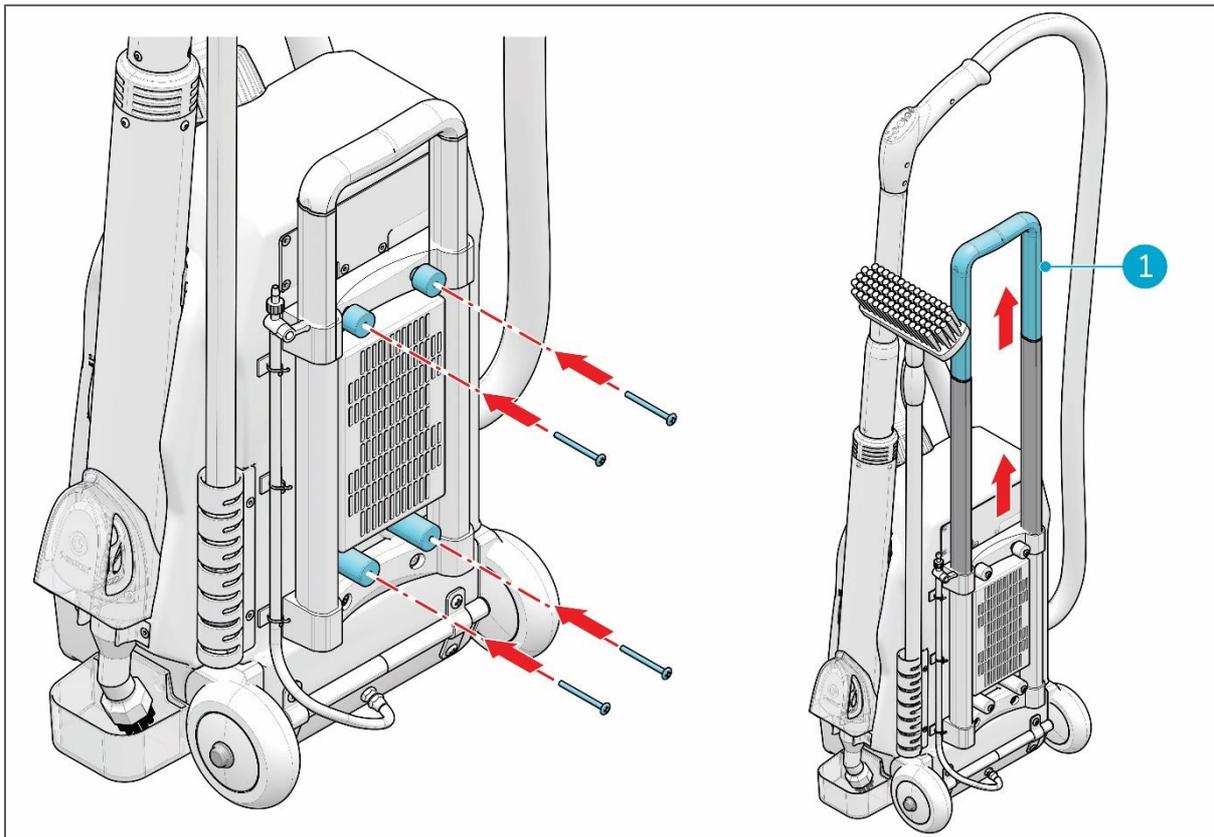


Figure 10

5.3.2 Backpack operation

When you use the i-gum® as a backpack no further assembly is required.



6 Operation

6.1 Before you start

1. Make sure you have the correct brush for the intended surface.

Steel brush

Concrete, tarmac, asphalt, hard brick paving, natural stone.

Nylon brush

Sandstone, soft brick paving, wood, carpets.

Table 2

2. Check the brush for wear and tear (see chapter 7 for maintenance).
3. Make sure the built-in battery is charged:
 - Turn on the machine.
 - check the battery power indicator.

6.1.1 Charge the battery

1. Make sure the i-gum[®] is turned off.
2. Remove the battery charger (Figure 12, pos 6) from the storage bag (Figure 12, pos 1).
3. Connect the battery charger plug (Figure 12 pos 5) to the socket (Figure 12, pos 3).
4. Disconnect the charger when ready. The battery does not need to be fully charged before use.

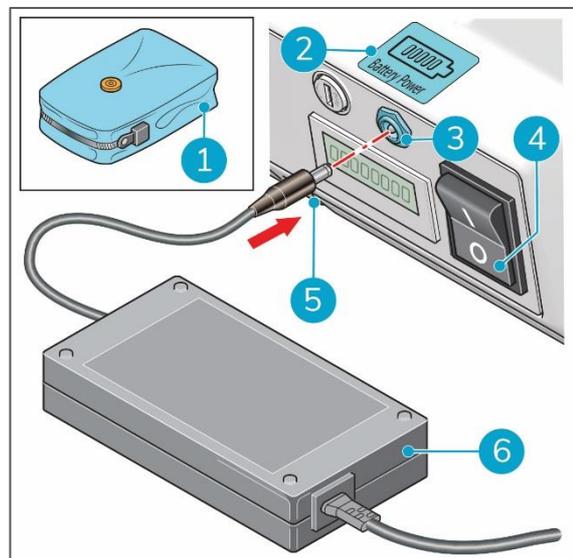


Figure 11



WARNING

Don't charge the built-in battery while the charger is in the storage bag. This might overheat the charger.

Make sure the i-gum[®] is turned off before you charge the built-in battery.



6.1.2 Insert the gas cartridges

1. Open the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 13, pos 1);
 - pull the gas cartridge holder (Figure 13, pos 4) at the same time.
2. Make sure the gas valve (Figure 13, pos 2) is turned off.
3. Install the first gas cartridge:
 - push the cartridge upwards into the first cartridge slot (Figure 13, pos 3);
 - turn the cartridge clockwise (right) to tighten it (Figure 13, pos 3).
4. Install the second gas cartridge:
 - push the cartridge upwards into the second cartridge slot (Figure 13, pos 3);
 - turn the cartridge clockwise (right) to tighten it (Figure 13, pos 3).
5. Close the gas cartridge holder:
 - pull the safety pin at the back of the the i-gum® (Figure 13, pos 1);
 - close the gas cartridge holder (Figure 13, pos 4) at the same time.

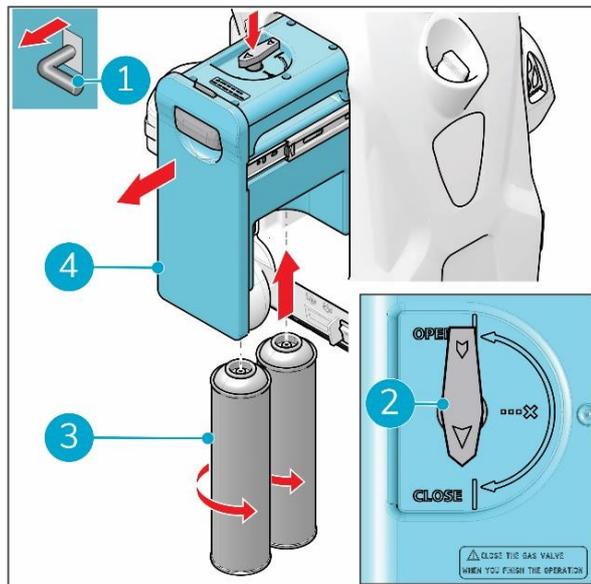


Figure 12

TIP:

It is not necessary to use two gas cartridges at the same time. The i-gum® can operate on a single cartridge for 4 hours. It can operate on 2 cartridges for 8 hours.



6.1.3 Fill the gum remover solution tank



WARNING

Please proceed carefully, safety glasses are recommended.

1. Remove the yellow stopper (Figure 13, pos 1).
2. Pour in the i-gum[®] gum remover solution (Figure 13, pos 3) while checking the fluid indicator (Figure 13, pos 2) on the side.
3. Replace the yellow stopper (Figure 13, pos 1) and make sure it seals tight.
4. Clean your hands afterwards.

Dispose of empty bottles according to your local rules and regulations.

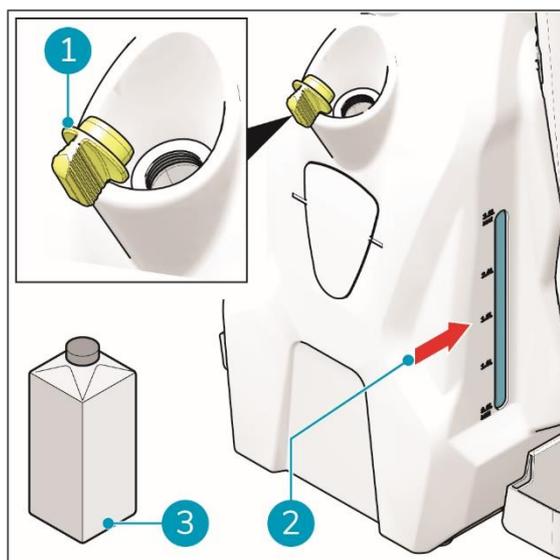


Figure 13

TIP:

Save at least one empty gum remover solution bottle to drain the machine after use.

6.1.4 Cleaning fluid low level indication

When the fluid is low the heater automatically shuts down and the lance starts to cool down. The fluid indicator on the side is illuminated and flashes when level of cleaning fluid is low. Switch off the machine via the main power switch (Figure 15, pos 2) and refill the gum remover solution tank (see 6.1.3).

6.2 Dry start

When using the i-gum[®] for the first time the machine needs to start-up the pump and fill the pipes with cleaning fluid. This also applies to machines that are rinsed before storage (see 6.5.2).

1. Turn on the i-gum[®] using the main power switch on the bottom (Figure 15, pos 2) left of the body.
2. Check the battery power indicator (see 6.1.1).
3. Take the lance from the holder.
4. Press the ON/OFF button (Figure 15, pos 7) on the handle control.
5. Press the H/M/L multi function button (Figure 15, pos 5).
6. Hold for 1 minute, this will start the pump.
7. Check the rinse indicator light (Figure 15, pos 4). When the indicator light L is on, the pump runs in full speed.
8. Release the H/M/L multi function button (Figure 15, pos 5) when rinse indicator light is on.
9. The i-gum[®] is ready for use.
10. Press the ON/OFF button (Figure 15, pos 7) on the handle control to turn off the machine, before walking to the jobsite.



11. Proceed with next paragraph: 6.3 (Trolley operation) or 6.4 (Backpack operation).

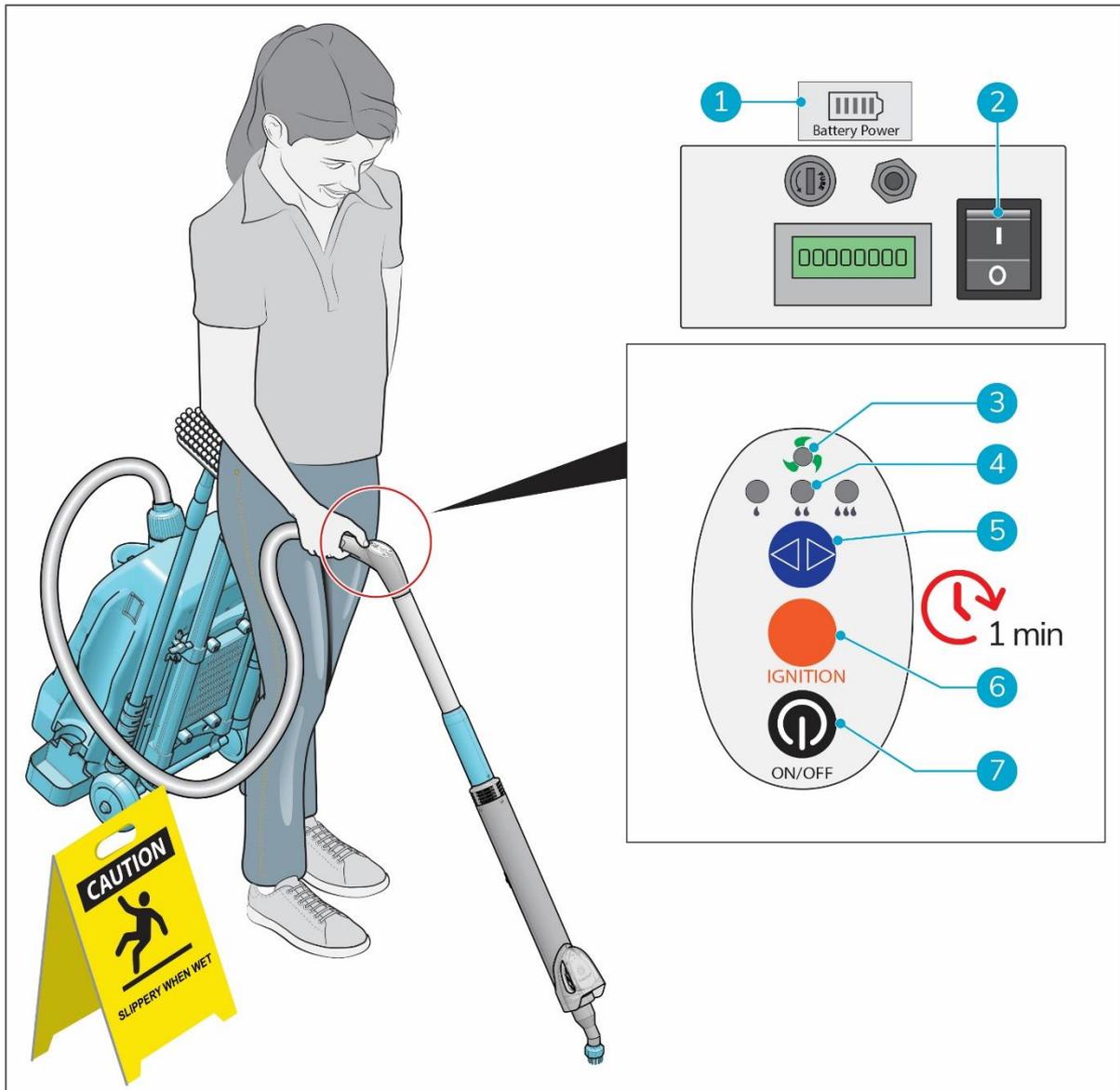


Figure 14

6.3 Trolley operation

Proceed to paragraph 6.4 when you are using the harness.

1. Walk to the job site with the i-gum® and a wet floor marker.
2. Mark the job site.
3. Turn on the i-gum® using the main power switch on the bottom (Figure 17, pos 2) left of the body.
4. Check the battery power indicator (Figure 17, pos. 1) (see 6.1.1 for charging the built-in battery.)



5. Open the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 16, pos 1);
 - pull the gas cartridge holder (Figure 16, pos 4) at the same time.
6. Turn on the gas valve (Figure 16, pos 2) .
7. Close the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 16, pos 1);
 - close the gas cartridge holder (Figure 16, pos 4) at the same time.
8. Turn on the gas valve (Figure 16, pos 2).

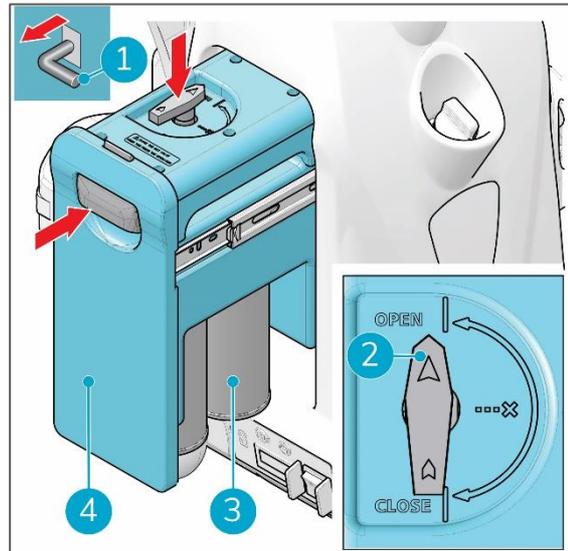


Figure 15

9. Take the lance from the holder.
10. Press the ON/OFF button (Figure 17, pos 8) on the handle control.
11. Press the H/M/L multi function button (Figure 17, pos 5).
12. Hold for 5 seconds, this will start the pump.
13. Check the rinse indicator light (Figure 17, pos 4). When the indicator light L is on, the pump runs in full speed.
14. Release the H/M/L multi function button (Figure 17, pos 5) when rinse indicator light is on.
15. Press the SELF-LOCK button to start the gas flow (Figure 17, pos 8).



CAUTION

The gas will flow as long as this button is locked.

16. Press the IGNITION button (Figure 17, pos 6) for 2 seconds. You can hear the gas heater is burning. The pump starts.
17. Wait for 20 seconds until steam comes out of the lance. The i-gum® is ready for use.
18. Check the H/M/L indicator light (Figure 17, pos 4). The pump will default operate at low speed (see 6.3.1).
19. Place the brush on the piece of flattened gum.
20. Agitate the brush in circular motion until the gum disintegrates.
21. **DO NOT** scrub or apply pressure, it is not required and can harm the surface.
22. Replace the lance in the holder and use the broom to sweep the disintegrated gum.
23. Repeat when required.

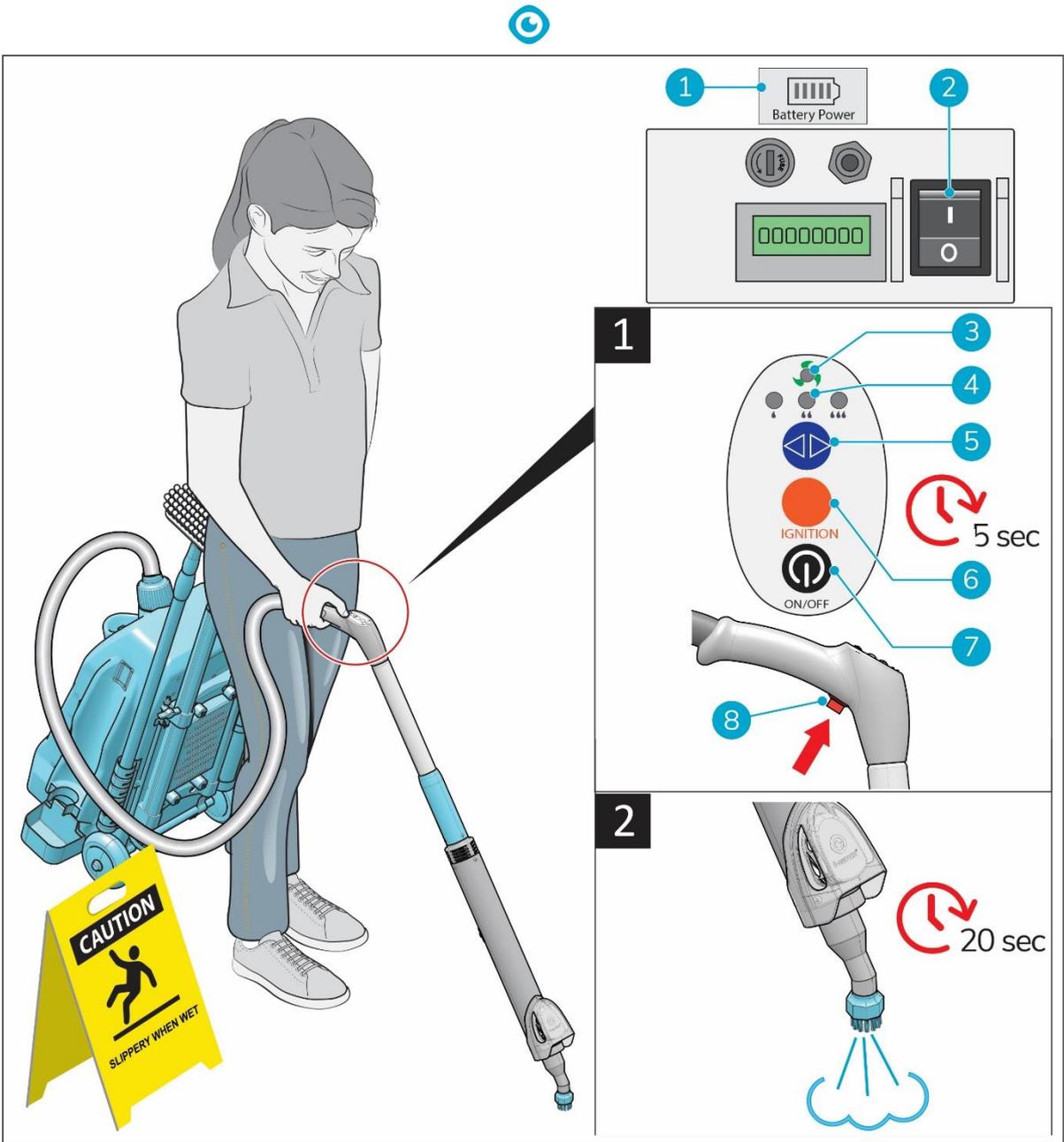


Figure 16



6.3.1 Adjust pump speed

The pump will default operate at low speed. You can change it to medium or high speed for more steam via the H/M/L multi function button.

1. Press the H/M/L multi function button (Figure 17, pos 2).
2. Check the H/M/L indicator light (Figure 17, pos 1).

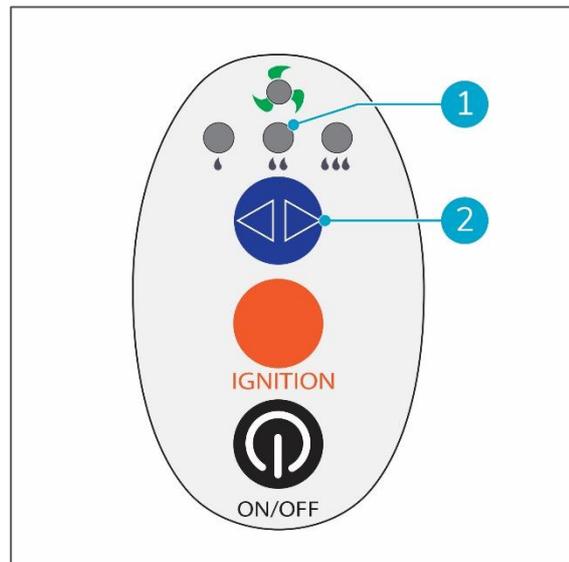


Figure 17

TIP:

Pump speed high only increases the amount of cleaning fluid, this can be effective for rough surfaces or carpet cleaning. On flat surfaces the additional fluid will run-off and have no effect.

6.3.2 After operation

1. Turn off the SELF-LOCK button (Figure 18, pos 4).
2. Turn off the pump via the ON/OFF button (Figure 18, pos 1). The H/M/L indicator light goes out. The pump and the pump (Figure 18, pos 5) goes out after 3 minutes, as the ventilator needs to be cooled before storage.

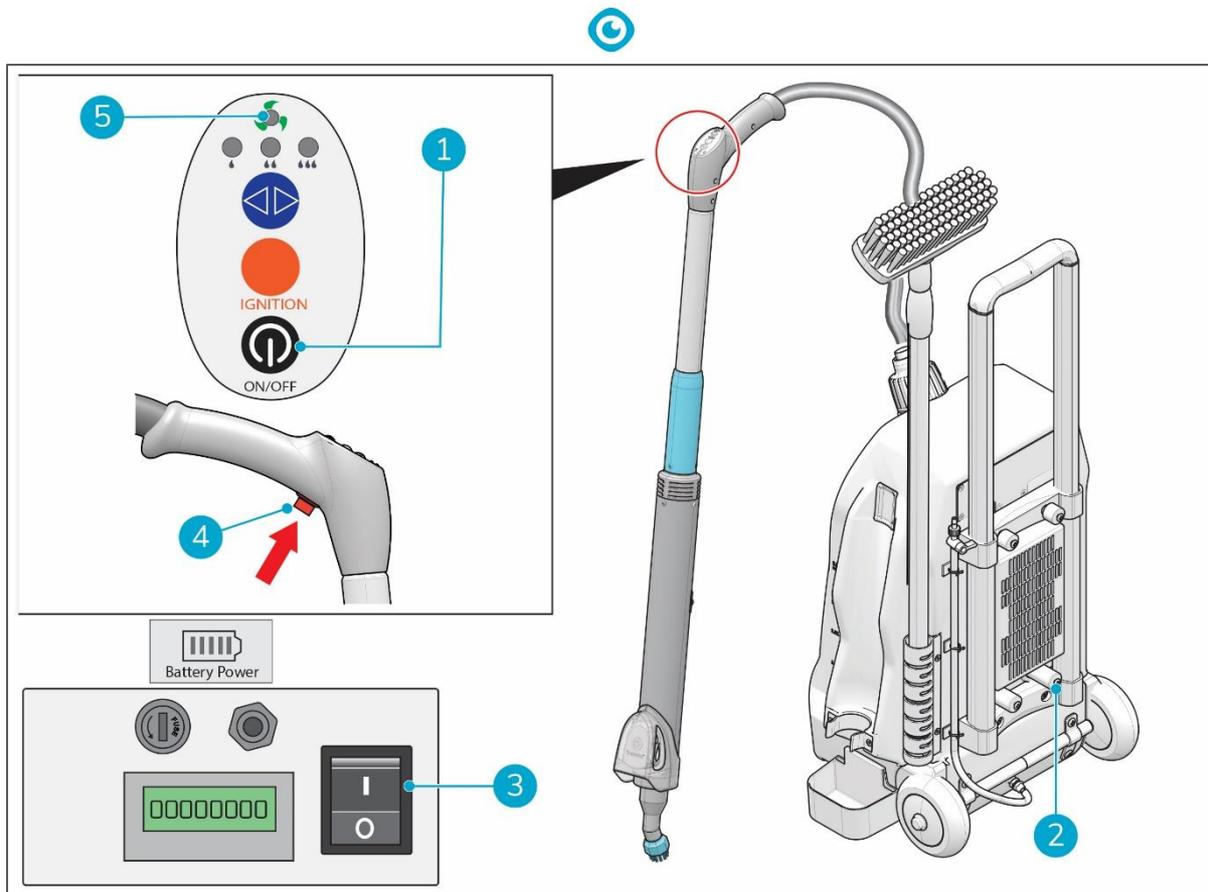


Figure 18

3. Open the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 19, pos 1);
 - pull the gas cartridge holder (Figure 19, pos 4) at the same time.
4. Turn off the gas valve (Figure 19, pos 2).
5. Close the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 19, pos 1);
 - close the gas cartridge holder (Figure 19, pos 4) at the same time.
6. Turn off the i-gum® via the main power switch (Figure 18, pos 3).

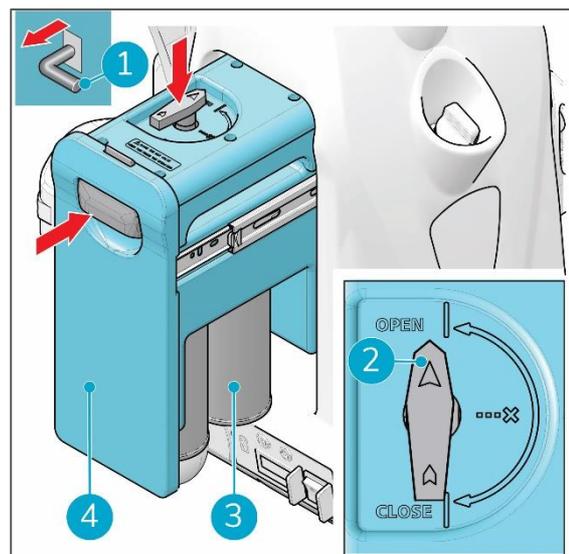


Figure 19



6.4 Backpack operation

1. Turn on the i-gum® using the main power switch on the bottom (Figure 22, pos 2) left of the body.
2. Check the battery power indicator (Figure 22, pos 1). (See 6.1.1 for charging the built-in battery.)
3. Open the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 20, pos 1);
 - pull the gas cartridge holder (Figure 20, pos 4) at the same time.
4. Turn on the gas valve (Figure 20, pos 2).
5. Close the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 20, pos 1);
 - close the gas cartridge holder (Figure 20, pos 4) at the same time.

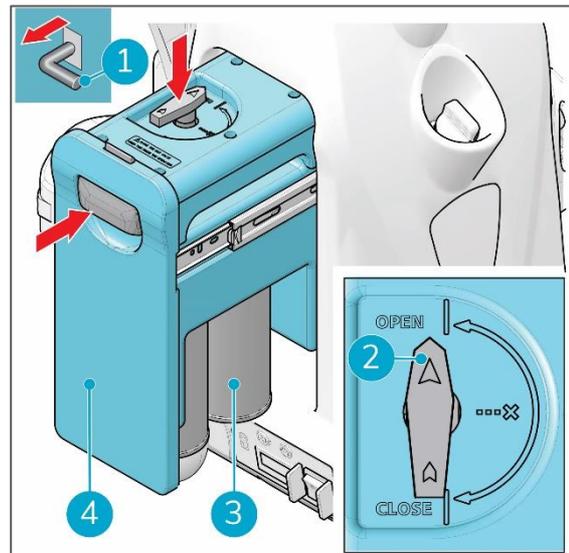


Figure 20

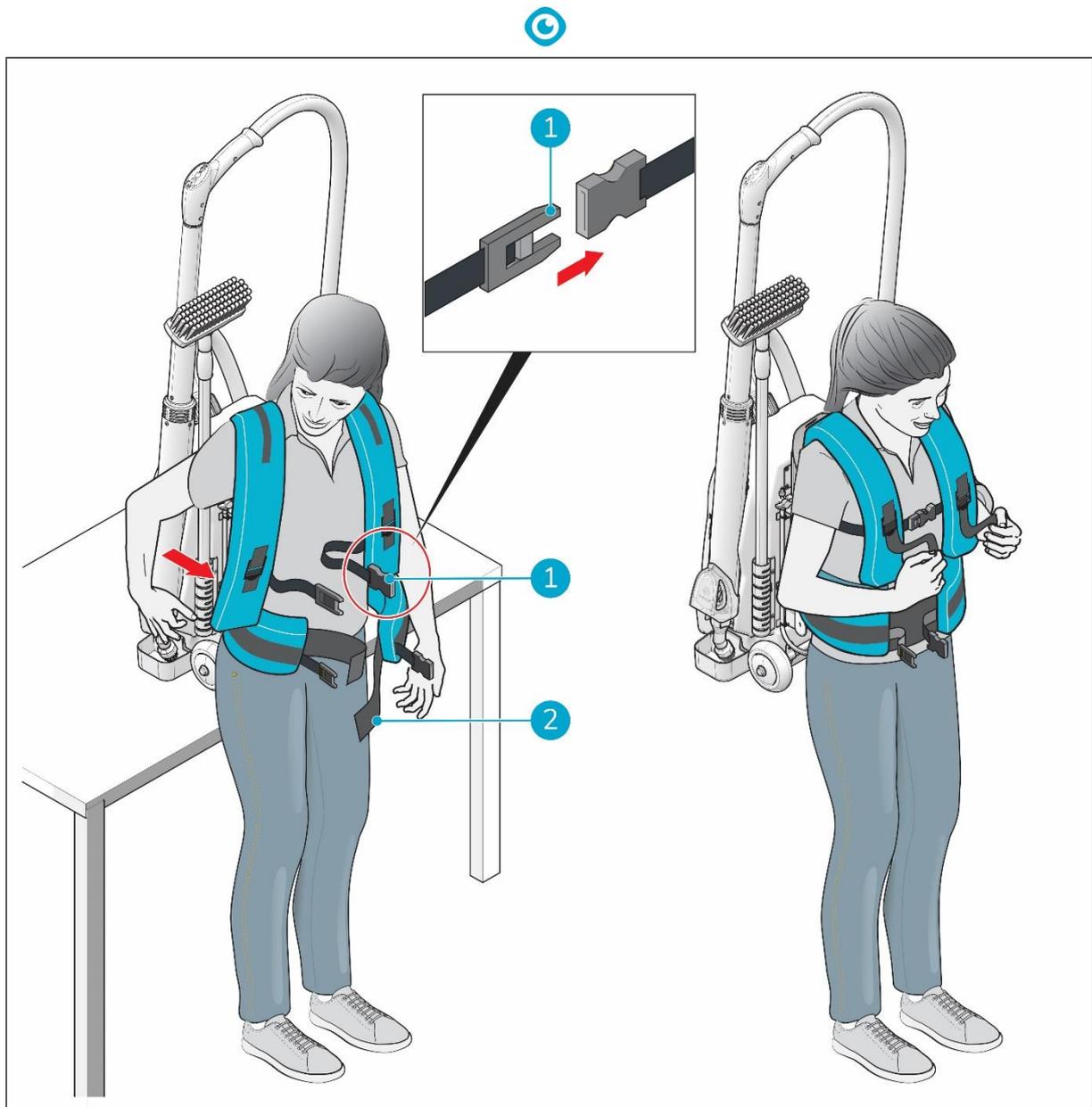


Figure 21

6. Release the straps (Figure 21, pos 1) of the harness to their maximum size.
7. Remove the lance and broom from their holders and place on a chair or table.
8. Put on the backpack.
9. Adjust waistband (Figure 21, pos 2) and straps (Figure 21, pos 1) for comfort.
10. Walk to the job site with the i-gum® and a wet floor marker.
11. Mark the job site.
12. Take the lance from the holder.
13. Press the ON/OFF button (Figure 22, pos 7) on the handle control.
14. Press the H/M/L multi function button (Figure 22, pos 5).
15. Hold for 5 seconds, this will start the pump.
16. Check the H/M/L indicator light (Figure 22, pos 4). When the indicator light L is on, the pump runs in full speed.
17. Release the H/M/L multi function button (Figure 22, pos 5) when rinse indicator light is on.
18. Press the SELF-LOCK button to start the gas flow (Figure 22, pos 8).



CAUTION

The gas will flow as long as this button is locked.

19. Press the IGNITION button (Figure 22, pos 6) for 2 seconds. You can hear the gas heater is burning. The pump starts.
20. Wait for 20 seconds until steam comes out of the lance. The i-gum® is ready for use.
21. Check the H/M/L multi function indicator light (Figure 22, pos 5). The pump will default operate at low speed (see 6.3.1).
22. Place the brush on the piece of flattened gum.
23. Agitate the brush in circular motion until the gum disintegrates.
24. **DO NOT** scrub or apply pressure, it is not required, and it can harm the surface.
25. Use the broom to sweep the disintegrated gum.
26. Repeat when required.

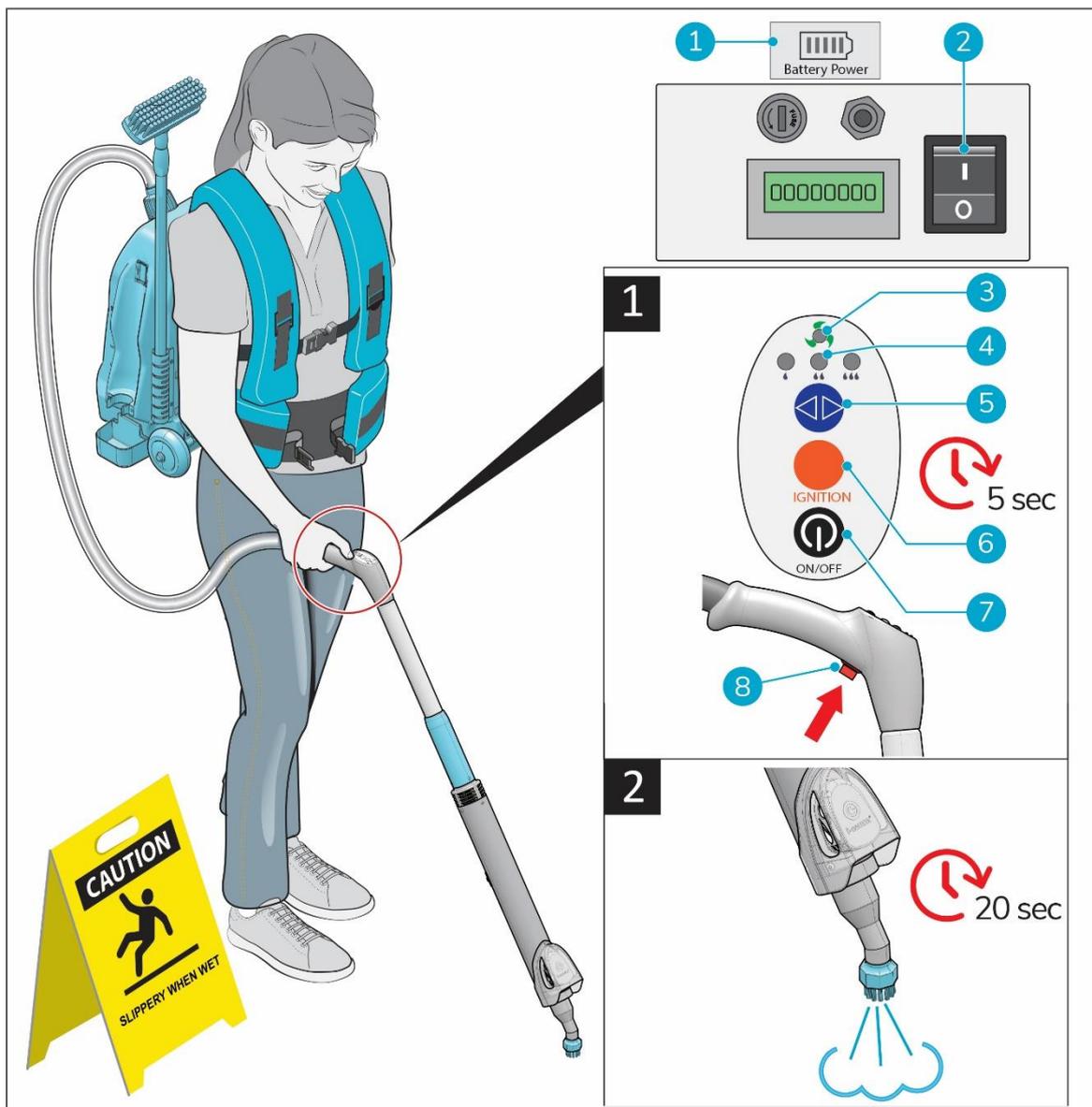


Figure 22



6.4.1 Adjust pump speed

See paragraph 6.3.1.

6.4.2 After operation

1. Turn off the SELF-LOCK button (Figure 24, pos 4).
2. Turn off the pump via the ON/OFF button (Figure 24, pos 1). The H/M/L indicator light goes out. The pump goes out after 3 minutes, as the ventilator needs to be cooled before storage.
3. Open the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 23, pos 1);
 - pull the gas cartridge holder (Figure 23, pos 4) at the same time.
4. Turn off the gas valve (Figure 23, pos 2).
5. Close the gas cartridge holder:
 - pull the safety pin at the back of the i-gum® (Figure 23, pos 1);
 - close the gas cartridge holder (Figure 23, pos 4) at the same time.

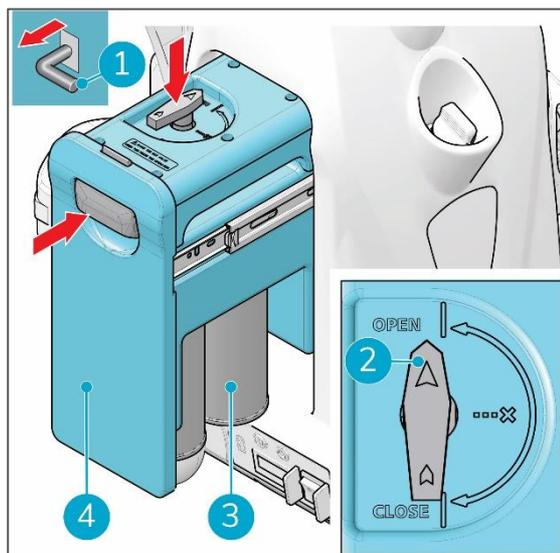


Figure 23



6. Turn off the SELF-LOCK button (Figure 24, pos 4).
7. Turn off the i-gum[®] via the ON/OFF switch on the handle control (Figure 24, pos 1).
8. Remove the backpack and close the strap (Figure 24, pos 2) to hold the waistband together.
9. Turn off the i-gum[®] via the main power switch (Figure 24, pos 3).

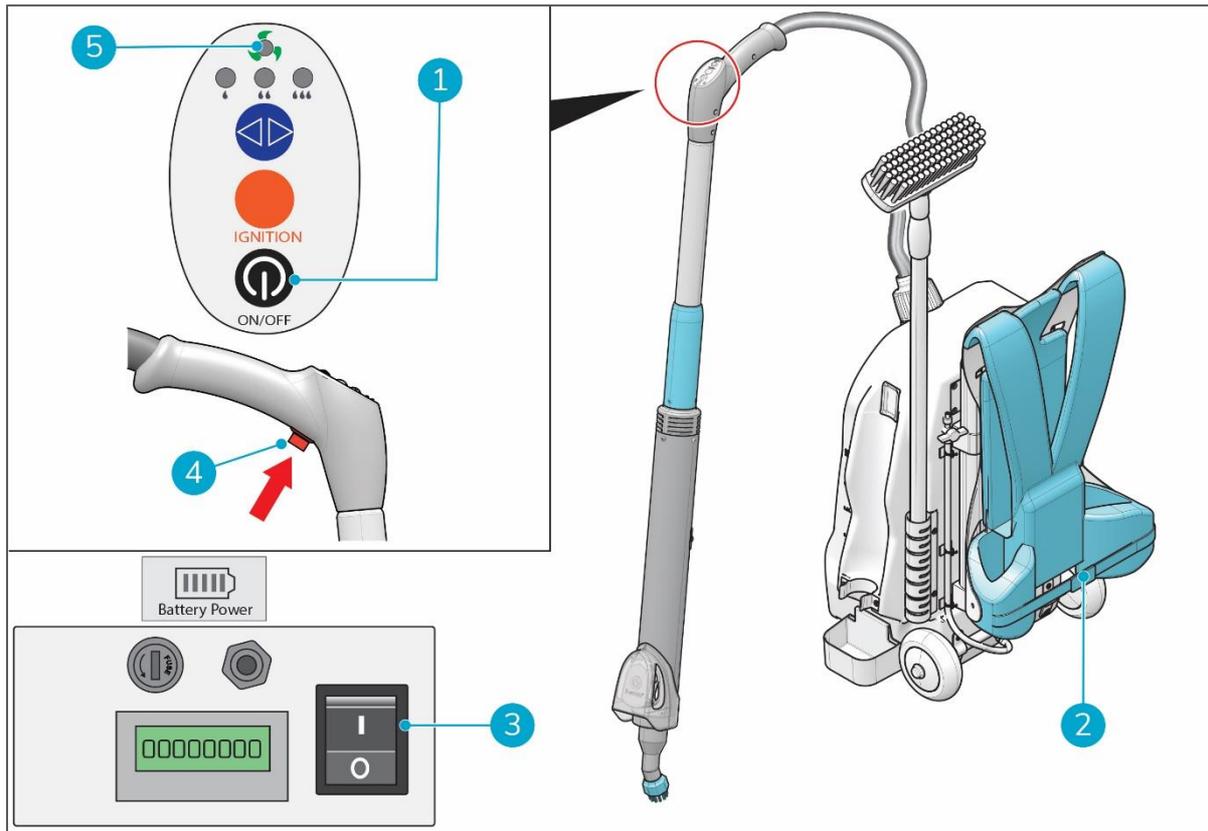


Figure 24



6.5 Cleaning and storage

The i-gum[®] does not require much maintenance however it is recommended to drain and rinse the machine after use before putting in storage.

6.5.1 Drain the machine

1. Put the i-gum[®] on a table with the back side towards you.
2. Release the drainage tube (Figure 25, pos 2) via the clips (Figure 25, pos 1).
3. Put the end of the drainage tube in an empty gum remover solution bottle.
4. Remove the yellow stopper from the fluid tank (Figure 26, pos 1).
5. Open tap (Figure 25, pos 3).
6. When empty close tap (Figure 25, pos 3).
7. Replace the yellow stopper (Figure 26, pos 1).
8. Replace drainage tube (Figure 25, pos 2) using the clip (Figure 25, pos 1).

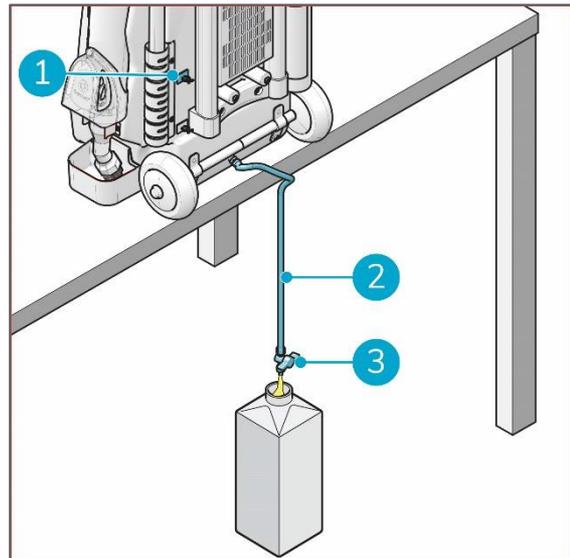


Figure 25

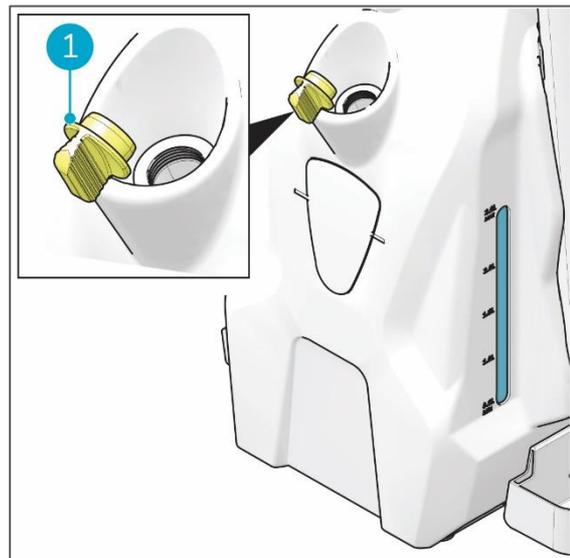


Figure 26



6.5.2 Rinse the machine

After draining the machine some fluid remains in the pipes and pump. This is no problem for daily use. However, when the i-gum[®] is put in storage for more than 5 days it is recommended to rinse the machine to remove the remaining fluid.

1. Make sure you have drained the machine (see 6.5.1).
2. Attach the drip tray (Figure 27, pos 2) to the machine.
3. Put the lance (Figure 27, pos 1) in the holder.
4. Turn on the i-gum[®] via the main power switch.
5. Press the ON/OFF button (Figure 28, pos 2) on the handle control.
6. Press the H/M/L multi function button (Figure 28, pos 1).
7. Hold the H/M/L multi function button (Figure 28, pos 1).
8. Wait until no more fluid comes from the lance.
9. Press the ON/OFF button (Figure 28, pos 2) on the handle control.
10. Turn off the main power switch (Figure 24, pos 3).
11. Remove the drip tray and clean.

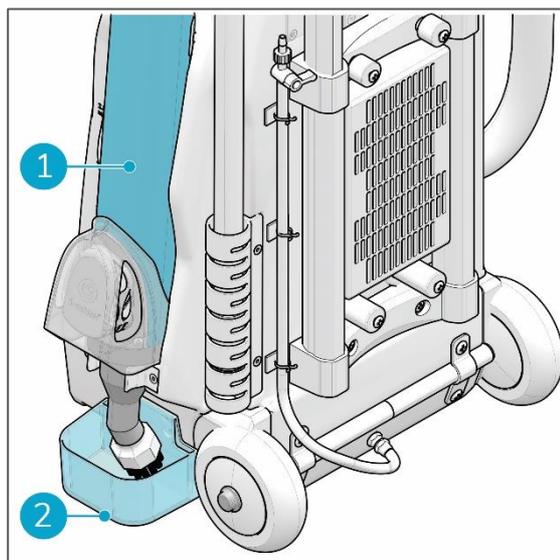


Figure 27

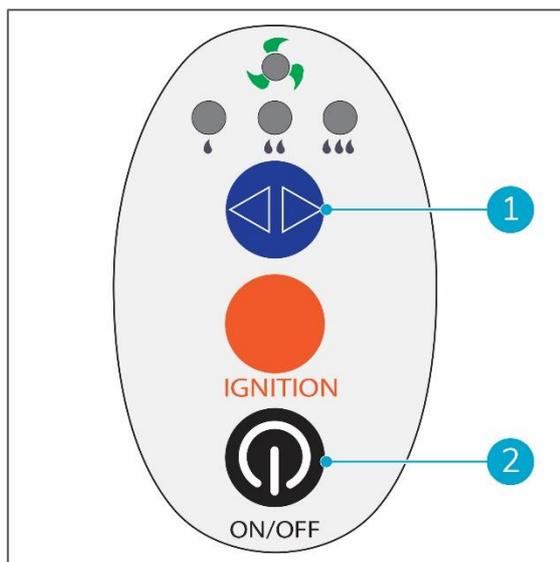


Figure 28

After the rinse operation the machine is completely dry. Next time you use the i-gum[®] please follow the Dry start procedure (see paragraph 6.2).

6.5.3 Remove the gas cartridges

The gas cartridges can remain in the machine during storage and transport. If you want to replace the empty cartridges:



1. Open the gas cartridge holder:
 - pull the safety pin at the back of the the i-gum® (Figure 29, pos 1);
 - pull the gas cartridge holder (Figure 29, pos 4) at the same time.
2. Make sure the gas valve (Figure 29, pos 2) is turned off.
3. Remove the first gas cartridge:
 - turn the first cartridge counterclockwise (left) to remove it (Figure 29, pos 3).
4. Remove the second gas cartridge:
 - turn the second cartridge counterclockwise (left) to remove it (Figure 29, pos 3).
5. Close the gas cartridge holder:
 - pull the safety pin at the back of the the i-gum® (Figure 29, pos 1);
 - close the gas cartridge holder (Figure 29, pos 4) at the same time.

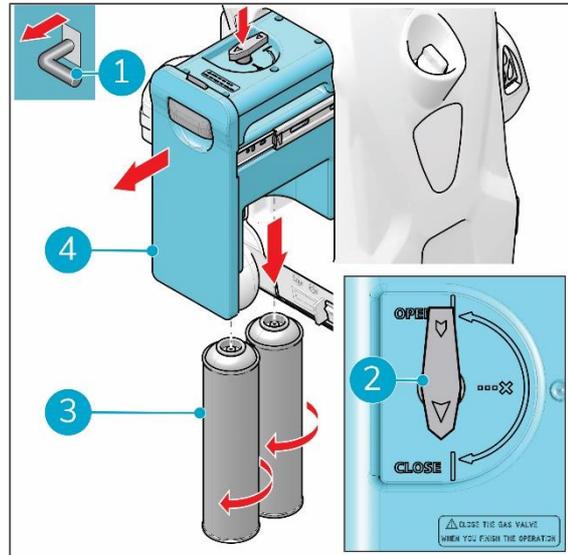


Figure 29

Remove the empty gas cartridges for separate disposal. If you want to insert new gas cartridges see 6.1.2.

6.5.4 Storage

Store the i-gum® in an upright position, under normal storage conditions.



7 Maintenance

7.1 Brush replacement

The brushes are attached to the lance via a bayonet fitting.



WARNING

The wires on the steel brush are sharp and bended after use, make sure you do not cut yourself and grab the brush by the top.

1. Make sure the i-gum® is turned off and completely cooled down.
2. Unscrew the old brush by a small turn clockwise (right) and pull (Figure 31).
3. Take a new brush and press and turn counterclockwise (left) until in place (Figure 32).

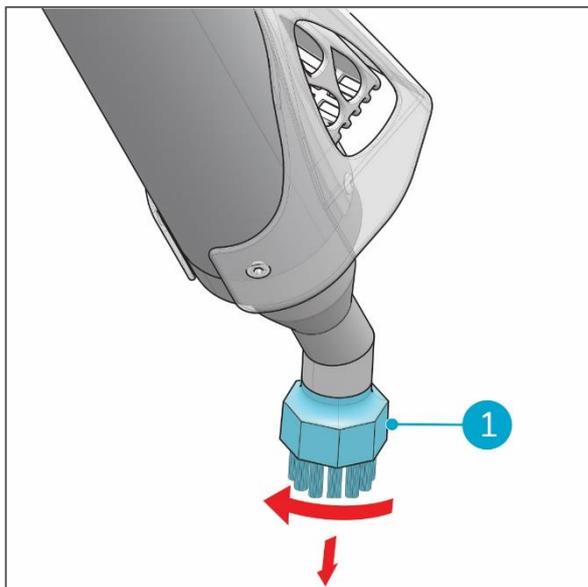


Figure 30

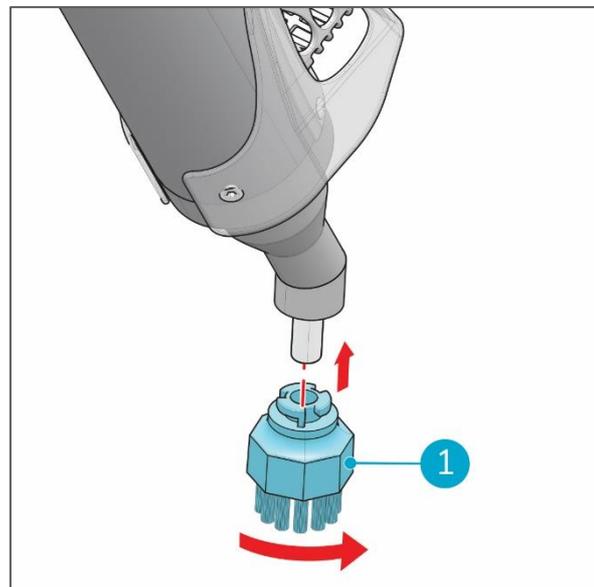


Figure 31



7.2 Recommended additional cleaning

It is recommended once per month to rinse the i-gum[®] with water.

7.2.1 Clean with water

1. Pour some water in the fluid tank (see 6.1.3).
2. Make sure the drip tray (Figure 33, pos 2) is attached to the machine.
3. Make sure the steam lance (Figure 33, pos 1) is in the holder.
4. Turn on the i-gum[®] using the main power switch.
5. Press the ON/OFF button (Figure 34, pos 2) on the handle control.
6. Press the H/M/L multi function button (Figure 34, pos 1).
7. Hold for 1 minute, this will start the pump.
8. Release the H/M/L multi function button (Figure 34, pos 1).
9. Wait for 20 seconds until steam comes out of the lance.
10. Allow some steam to come out to clean the steam lance.
11. Turn off the machine via the ON/OFF button (Figure 34, pos 2).
12. Turn off the main power switch.
13. Clean the drip tray (Figure 33, pos 2).

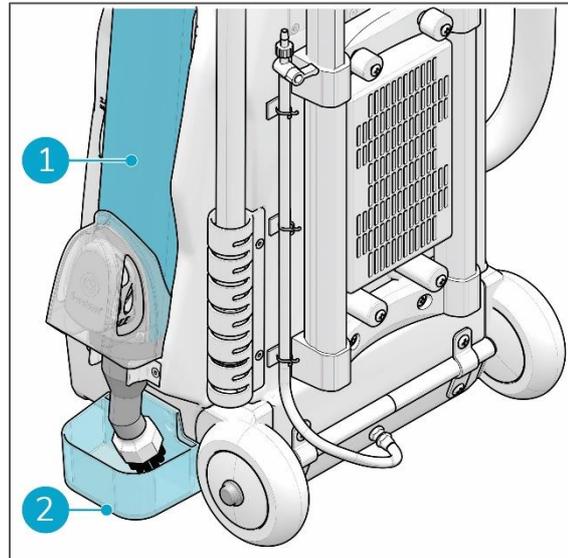


Figure 32

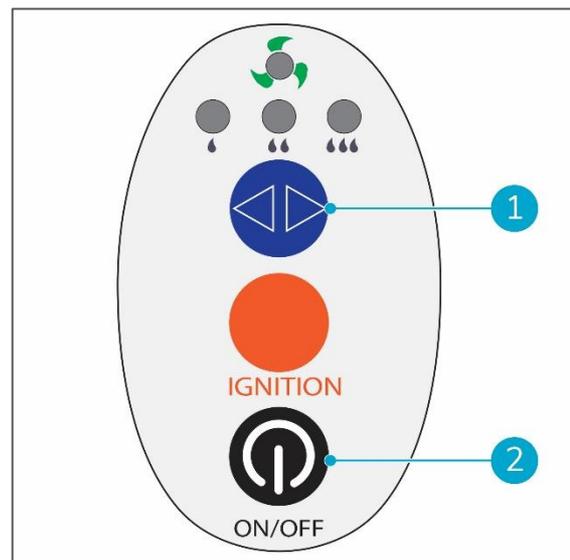


Figure 33

For draining and rinsing the machine see 7.2.2 and 7.2.3.



7.2.2 Drain the machine

1. Put the i-gum[®] on a table with the back side towards you.
2. Release the drainage tube (Figure 34, pos 2) via the clips (Figure 34, pos 1).
3. Put the end of the drainage tube in a bucket or empty bottle.
4. Remove the yellow stopper from the fluid tank (Figure 35, pos 1).
5. Open tap (Figure 34, pos 3).
6. When empty close tap (Figure 34, pos 3).
7. Replace the yellow stopper (Figure 35, pos 1).
8. Replace drainage tube (Figure 34, pos 2) using the clips (Figure 34, pos 1).

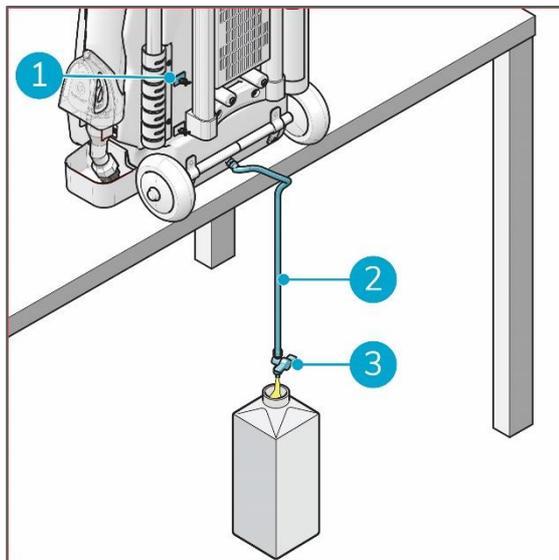


Figure 34

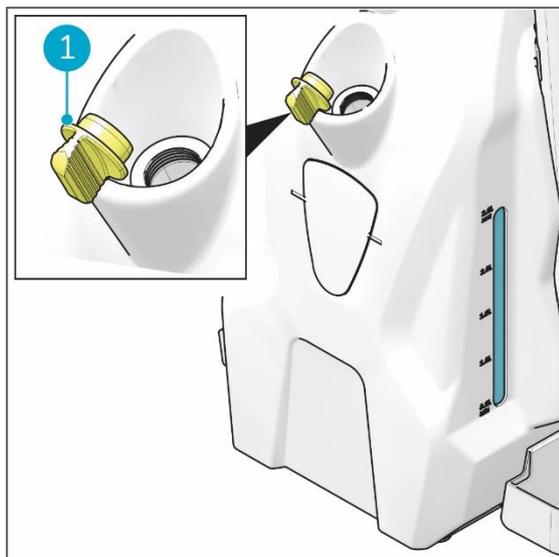


Figure 35



7.2.3 Rinse the machine

1. Make sure the drip tray (Figure 37, pos 2) is attached to the machine.
2. Make sure the steam lance (Figure 37, pos 1) is in the holder.
3. Turn on the i-gum[®] using the main power switch.
4. Press the ON/OFF button (Figure 37, pos 2) on the handle control.
5. Press the H/M/L multi function button (Figure 37, pos 1).
6. Hold for 1-minute, this will start the pump.
7. Release the H/M/L multi function button (Figure 37, pos 1).
8. Wait until no more steam comes out of the lance.
9. Turn off the machine via the ON/OFF button (Figure 37, pos 2).
10. Turn off the main power switch.
11. Clean the drip tray (Figure 37, pos 2).

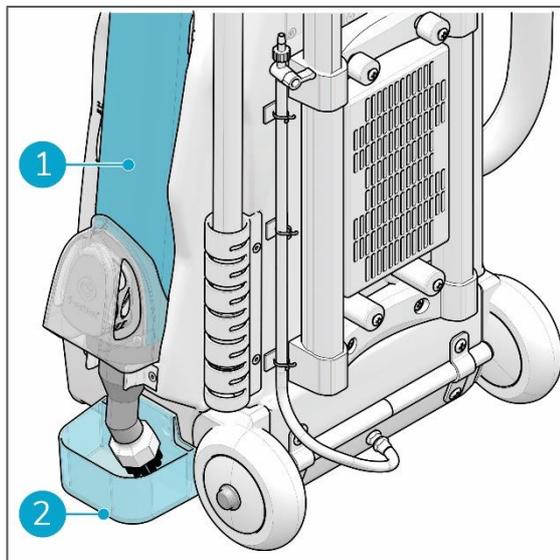


Figure 36

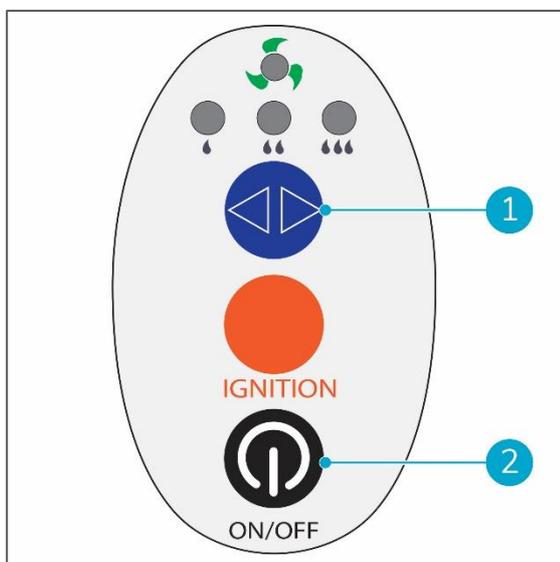


Figure 37

After the rinse operation the machine is completely dry. Next time you use the i-gum[®] please follow the Dry start procedure (see paragraph 6.2).



7.2.4 Replace the fuse

When the i-gum® has no power at all, the fuse might be blown.



WARNING

Make sure the i-gum® is switched off before you replace the fuse.

Replace the fuse:

1. Make sure the i-gum® is switched off.
2. Unscrew the fuse holder (Figure 39, pos 2) using a screwdriver.
3. Replace the fuse (Figure 39, pos 1) by a new fuse.
4. Close the fuse holder (Figure 39, pos 2) using a screwdriver.

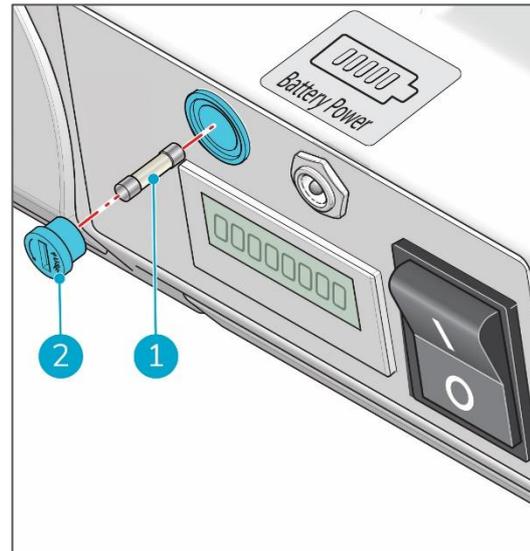


Figure 38



7.3 Recommended service time

When you do not have a service agreement check the timer on the bottom left side of the machine on a regular basis. It is recommended to schedule a full service by one of our service partners every 1,000 hours.

Check the timer on a regular basis.



8 Trouble shooting

Problem	Cause	Solution
No power	Main power switch of	Turn on power switch.
	Empty battery	Charge battery.
	Fuse has blown	Replace fuse.
No steam	SELF-LOCK button is turned off	Turn on the SELF-LOCK button.
	No gas cartridge(s)	Insert gas cartridge(s).
	Empty gas cartridge(s)	Replace gas cartridge(s).
	Gas valve is closed	Turn on gas valve.
	Ventilator is not running	Contact your service department.
	Pump is not running	Pump needs to be replaced by a skilled mechanic.
	Steam is blocked	Turn off the machine, check and clean the brush and steam nozzle.
Fluid level LED light flashes	Gum remover solution is low	Turn-off and cool-down the machine. Fill the tank with gum remover solution.
Fluid leak from tank	Yellow stopper is not put back correctly	Check and place the yellow stopper correctly.
	Machine was stored or transported lying down without draining the tank first	Place the machine upright.
Battery not charging	Battery is end of life	Replace battery.



9 Decommissioning and disposal



ATTENTION

It is the responsibility of the i-gum[®] owner to dispose of the product responsibly.

At the end-of-life the i-gum[®] still contains valuable resources and needs to be disposed of according to your local laws and regulations regarding recycling of electrical equipment.



Before disposal please:

1. Drain the machine (see 6.5.1).
2. Remove the gas cartridges for separate disposal (see 6.5.3).
3. Remove all loose components like brush holder and broom (see 7.1).
4. Dispose all items according to your local laws and regulations.



10 Attachments

10.1 CE Certificate



EC Declaration of Conformity

In accordance with BS EN ISO/IEC 17050-1:2010

We **Future Cleaning Technologies B.V., Hoppenkuil 27b, 5626 DD Eindhoven**

Declare under our sole responsibility that the product: **I-GUM**

Equipment: Portable Battery or LPG fuelled chewing gum removal system
Model name/number: i-gum

In accordance with the following Directives:

2004/108/EC	Conforms with the essential performance requirements of the Electromagnetic Compatibility Directive and its amending directives
2006/42/EC	Conforms with the essential health and safety requirements of the Machinery Directive and its amending directives
2011/65/EU	Conforms with the requirements of the RoHS Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Has been designed and manufactured to the following specifications:

EN ISO 12100:2010
Safety of machinery. General principles for design. Risk assessment and risk reduction

EN 60335-1:2012
Household and similar electrical appliances – Safety – Part 1: General requirements

EN 60335-2-79:2009
Household and similar electrical appliances – Safety – Part 2-79: Particular requirements for high pressure cleaners and steam cleaners.

EN 55014-1:2006+A2:2011
Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus. Emission

EN 55014-2:1997+A2:2008
Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus. Immunity. Product family standard.

EN 61000-3-2:2006
Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

EN 61000-3-3:2008
Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

I hereby declare that the equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the Directives.

Signed by:

Name: Frank van de Ven

Position: Director

Done at: Eindhoven

On: 29 August 2017

This declaration of conformity is issued under the responsibility of Future Cleaning Technologies B.V.



10.2 Safety data sheet gum remover solution

Information on the i-GUM chewing gum remover solution can be found on the **SAFETY DATA SHEET i-GUM**, SDS number 23393 - revision date 01/05/2015. This safety data sheet conforms to Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

This document is part of the technical file of the i-gum® chewing gum remover and will be available upon request.