



User Manual  
**English**



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Thank you for purchasing  
your **MotorScrubber**  
machine.

We hope you enjoy using your MotorScrubber product,  
please feel free to leave comments and feedback at  
[motorscrubberclean.com/support](http://motorscrubberclean.com/support).



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## PLEASE READ ALL INSTRUCTIONS

**When using electrical products, basic safety precautions should always be followed to reduce the risk of electric shock and personal injury, including the following:**

- Consider your work area environment. When using the MotorScrubber be aware of overhead electrical wires.
- **MotorScrubber is powered by DC current only. Do not attempt to operate MotorScrubber with AC current.**

- Always flush out chemical with clean water after every use.
- Never pull the MotorScrubber by its cord or yank it to disconnect it from the battery.
- Keep the cord away from heat, oil and sharp edges.
- Keep your MotorScrubber clean. (For safer operation, follow instructions for attaching accessories. Keep the upper handle switch area dry, clean and free from oil, grease and water).

- When servicing, use only genuine parts and accessories.

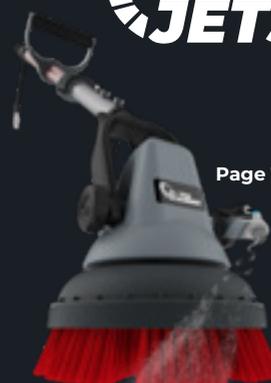
**MotorScrubber is a power tool. As with any power tool, always use both hands to ensure safe operation.**

- Ensure you adopt the correct posture when using MotorScrubber. Maintain a straight back.
- Adjust the position of the control handle **(see page 17)** so your arm is straight when holding the handle. Your back should be straight at all times.

**Save these instructions for future reference.**

**JET3**

Page 16



**MOTOR  
SCRUBBER**

## Know Your Equipment



### JET3

1. Pump Switch
2. Brush Switch
3. Water Pipe and Connector
4. Electric Cable and Connector
5. Flip Clip
6. Check Valve
7. Jet Arm
8. Jet
9. Rotating Disc
10. Hub
11. Check Locking Knob
12. Handle Screws
13. Control Handle
14. QR Code



## Know Your Equipment



### Multifunctional Backpack 2 Step Quick Connect

Simply click together the electrical connector and water pipe connector found on both the backpack and STORM®/JET3 to begin cleaning.

**BACKPACK:** The backpack should be put over your shoulders like a backpack. There are two adjustable straps, which can be pulled to tighten the shoulder supports to a comfortable user level. Ensure the Velcro belt strap is fastened across your abdomen.

### STORM®

1. STORM® Wand
2. Spray On Demand Switch
3. Water Pipe Connection
4. Electrical Connector
5. Hi Speed Swirl Nozzle\*

### BACKPACK

6. Carry Handle
7. Electrical Connector
8. Cable Tidy & Holster
9. Battery Pack\*
10. Bottle Pouch
11. 1L Bottle
12. Jet Pump

\*For further information about the Battery & Charging see page 13.

\*MSS25 high-speed, swirl nozzle fitted as standard, produces an average 68 micron at 30cm/12 inch spray distance. This is the only jet nozzle recommended for disinfecting touch points. Other jets are available, however, for different applications not disinfecting.





## Wipe Out The Risk.

Designed to work in conjunction with STORM® to apply disinfectant.

The onboard, non-absorbent, M-Wipes System ensures a Perfect Liquid Layer of disinfectant is created on the reverse side of 3D objects.

- Use STORM® To Spray The M-Wipe With Disinfectant.
- Wipe The Reverse Side Of The 3D Objects.

**Please note: The below items are optional extras be ordered separately.**

### 1. Wipe Dispenser

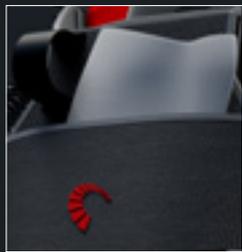
Dispense wipes with ease using our unique split funnel system. Holds one roll of 100 non absorbent wipes.

### 2. Waste Wipe Pouch

Convenient wipe disposal on the go.



1



2



PLEASE NOTE: If your serial number is after the following numbers (**STORM® 2064, JET 2144**) the M-Wipes system should fit your existing backpack. If your serial number is before (**STORM® 2064, JET 2144**) you will need to upgrade to the new STORM® backpack.

# Quick Start Guide



Put on the **Backpack**



Adjust **Straps**



Fill **Bottle (page 14)**



Connect **Electrics (page 12)**



Prime the **Pump (page 15)**



Connect **Water (page 14)**



Adjust Handle Length **(page 18)**



Attach/Change **MotorScrubber brush (page 20)**



Clean with **JET3 (page 19)**



Charge **Battery (page 13)**

# Quick Start Guide



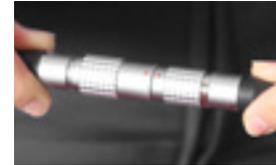
Put on the **Backpack**



Adjust **Straps**



Fill **Bottle (page 14)**



Connect **Electrics (page 12)**



Prime the **Pump (page 15)**



Connect **Water (page 14)**



Spraying **Disinfectant (page 23)**



Store in **Belt Holster**



Charge **Battery (page 13)**

**IMPORTANT:** Flush out STORM® with clean water after every use. Your STORM® has a special high speed swirl nozzle, which must be kept clean to maintain its performance.



For installation of the M-Wipe System\* (order separately) to the existing Backpack follow the instructions below.



Insert Non Absorbant M-Wipes into the pouch dispenser.



Attach M-Wipes pouch to belt using press studs.



Pull M-Wipes through the split funnel.



Tear wipe at perforation, sharply pull downwards over velcro to release.



Attach M-Wipes waste pouch to belt using press studs.



Feed coiled cable through holster on waste pouch.



Store STORM® in holster on waste pouch after use.



Dispose of used wipes safely and securely into the waste pouch.

**\*PLEASE NOTE:** If your serial number is after the following numbers (**STORM® 2064, JET 2144**) the M-Wipes system should fit your existing backpack. If your serial number is before (**STORM® 2064, JET 2144**) you will need to upgrade to the new STORM® backpack.

# Application Details



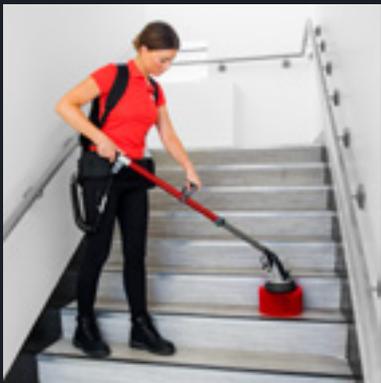
Onboard chemical injection means 4x faster cleaning with the JET3. Designed to deep clean and polish any area, achieving like new results.



KITCHEN CLEANING



FLOOR CLEANING



STAIR CLEANING



SWIMMING POOLS

# Application Details



Powered by MotorScrubber Backpack Technology, STORM® gives you the freedom to quickly disinfect all common touch points, reducing the risk of cross infection.



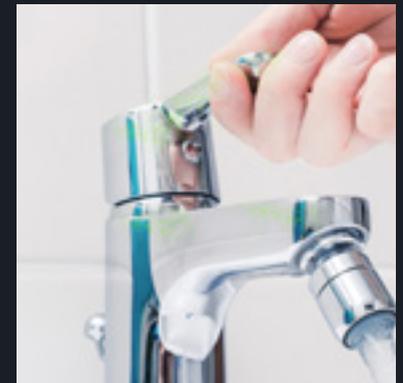
SHOPPING TROLLEYS



DOOR HANDLES



TRANSPORT HAND RAILS



TAPS

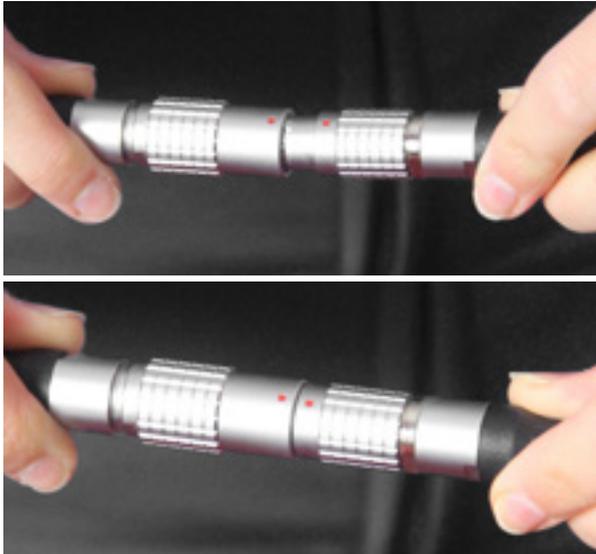
# Important Information

## Electrical Connection

**Important: before you connect the power cable, check the brush switch is not on. (see page 14).**

To connect the quick fit stainless steel, electrical connection, line up the two red dots and push until you hear a click.

To release the connection, grip the textured areas and pull apart.



## Battery & Charging Information

- The battery should be charged before using your MotorScrubber, after each use, and if unused for 4 months.
- When charging the machine the red light will show, when the battery is fully charged the light will show green. A full charge from flat will take approximately 8 hours.
- Connect charger to the charging port on the left side of battery compartment and then plug the charger directly into a 120 VAC/60HZ or 240 VAC electrical outlet, or use an adapter or a charger made for the AC source being used.

(Do not use an extension cord). After charging, disconnect the charger from the AC outlet and **(IMPORTANT)** disconnect the charger from the battery.

## Additional Battery Charge Setup

When you require long periods of machine usage, it is always advised to have an additional battery on charge so that you can switch over to a fully charged battery quickly.

- MotorScrubber uses a rechargeable sealed lead-acid battery. Non-spillable.
- Capacity: 12-volt, 7.0 amp-hour.
- Depending upon the average depth of discharge, over a thousand discharge/charge cycles can be expected.



**CHARGING**



**CHARGED**

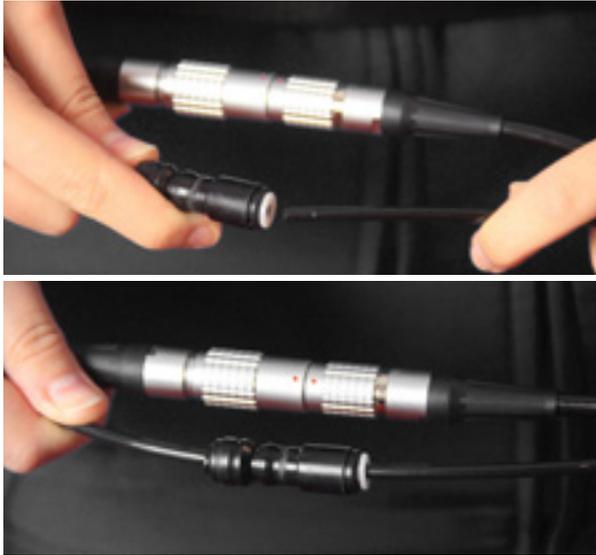


**MSS28 (purchase separately)**

## Water Connection

Firstly, make sure the connector is facing the right way. The white collar of the connector should point towards the jet and flow of water.

Push the water pipe into the connector until the pipe stops, roughly 7mm. To separate the connection, with two fingers, push the white collar towards the black housing and pull the pipe out.



## Pump Switch

The blue switch operates the pump, this is a demand switch and needs to be held down to operate the pump. When the button is released the pump will switch off.



## Preparing The Chemical

Fill the bottle with your preferred chemical\* up to the neck of the bottle. Screw the cap into place, being careful not to cross thread it.

Slip the bottle into the bottle pouch on the harness.



\*PLEASE NOTE: Ensure preferred chemical is non flammable.

## Prime The Pump

Every MotorScrubber JET3 and STORM® is thoroughly tested in our factory before dispatch. It is possible during storage and transport an airlock will have developed in the pumping system. To release any airlocks present, you can follow the priming steps below before the JET3 and STORM® can be used. The initial prime takes roughly 2 minutes to complete.

### HOW TO PRIME THE PUMP

1. Put the backpack on.
2. Fill the bottle with clean water and insert the water pipe with the filter, but leave the cap off loose.
3. Connect the electrical connection on the machine.
4. Disconnect the backpack water pipe from the black check valve and insert this into the top of the bottle, this will re circulate the fluid.
5. Hold down the blue switch until fluid starts flowing. The pump will go through the following stages:
  - **Air** - Trapped air starts to work through the system. High pitch pump noise with drips from the pipe.
  - **Water** - The pump will start to take water into the system. Pump noise deepens with weak spray from the pipe.
  - **Primed** - The pump will make a deep continuous hum, you will see high pressure water coming from the jet.

6. When you request water, it should be an instant start / stop of water flow with a constant high pressure flow.

**The first prime can take up to 2 minutes to complete. Further primes will take approximately 30 seconds using this method. A prime will need to be carried out before each use.**

**This process should also be used to rinse out chemical after every use.**





## Targeted Spray Scrub Technology

On-board chemical injection means **4x faster cleaning with the JET3.**

Boasting all the features of the M3, with added spray function. The JET3 completely removes the need for a bucket with chemical.

Designed to deep clean and polish any area, achieving like new results.

### Key Benefits:

- Lightweight
- Built-in Spray Function
- Spray on Demand
- Cordless Backpack Technology
- 3.5 Hour Runtime

3.5 hour runtime allows the user to clean anywhere. Fully adjustable and lightweight, the padded backpack fits any user.

The JET3 comes with a 1 Litre / 0.21 gal bottle for your solution, which can be easily removed for quick refilling.



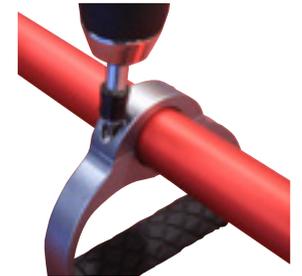
### Brush Switch

The red switch operates the brush. This is a latching switch, depress the switch until you hear a click and let go, the motor will run continuously. Press again and this will stop the brush. It is important that this button is not depressed before you connect the electrics.



### Handle Position

1. Turn the MotorScrubber over so the back of the handle is facing you.
2. Using a Phillips screwdriver, remove the two screws and take off the handle base.
3. Move the handle to your desired position, replace the handle base and screws.

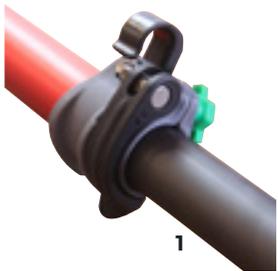


## Adjusting The Flip Clip

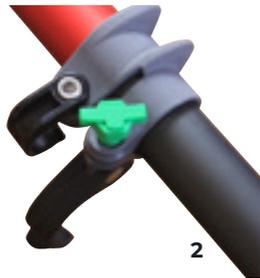
Release the black clip by pushing up the release catch. **(1)** Adjust the pole to your desired length, then push the black clip back into position. Do not extend further than the red stop line printed on the handle.

If the telescopic pole is slipping while in use, you will need to ensure the clip is tightened appropriately. To do this, locate the green adjustment screw **(2)** and ensure the black clip is in an open position.

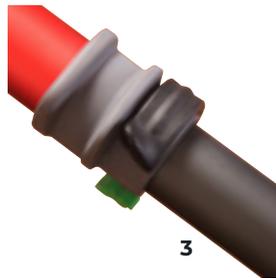
Being careful not to over tighten, turn the screw clockwise **(3)** until you can comfortably push the black clip back into its lock position. If the black clip is difficult to push back, turn the green screw anti-clockwise until it is easy to push back into position. For an instructional video please visit: [www.motorscrubberclean.com/support](http://www.motorscrubberclean.com/support)



1



2



3

## Adjusting The JET3 Position



1. Unscrew the locking knob, anti-clockwise (Approx 4 full turns).



2. Pull the JET3 arm outwards and rotate to new position, push in place.



3. Screw the locking knob back into position, clockwise.

## Cleaning With JET3

- When using MotorScrubber make sure the brush or pad is flat to the floor, this will ensure smooth operation of the machine and an optimal clean.
- The JET3 is a low water use cleaning machine. Only a small amount of detergent is required to wet and clean the floor, allow the brush and powerful scrubbing action to release the dirt. The 1L / 0.21 gal solution capacity can efficiently clean up to 40m<sup>2</sup> / 430ft<sup>2</sup>.
- Do not use water hotter than 35°C (95°F), this can damage the valves and pump.
- When the solution bottle is nearly empty, look for the jet to stop spraying.
- Do not operate the pump as this will create an airlock. Simply re-fill with chemical and prime the pump.

- After every use, you need to flush the pumping system. To do this fill the bottle with clean water and hold down the blue switch for 60 seconds. Foam will spray from the jet and you will see this change to clean water. This is a vital step as the valves and small pipes can become damaged or clogged with chemical, if left to sit for a long time. To maintain your warranty this step must be carried out.
- It is very difficult for us to approve every single chemical on the market, the vast majority of cleaning detergents are safe to use with your MotorScrubber backpack. If you do use some very harsh chemicals, it is possible that some components life expectancy will reduce, such as the pump membrane, check valve and water-pipe. These components are all replaceable at affordable costs. Therefore using some harsh chemicals may result in more frequent servicing.
- Scrub with straight, light strokes. You can exert light pressure where needed, let MotorScrubber do the hard work for you.

**DO NOT USE MOTORSCRUBBER WITH FLAMMABLE CLEANING FLUIDS**

### FUSED PROTECTION

MotorScrubber is equipped with 15Amp replaceable fuse, to protect against short circuit. This fuse can be found inside the battery compartment.



## Changing A MotorScrubber Brush

1. Turn the MotorScrubber upside down and support with the inside of your foot.
2. Line-up the tabs on the disc with the hub on the MotorScrubber.
3. Hold the hub firmly to prevent rotation. Press down while turning the disc clockwise until it locks in place.
4. To remove, press down on the disc and turn it counter clockwise holding hub until tabs are free. Then lift off the disc.



## Removing Dirty Slurry

There are many ways to remove dirty slurry after cleaning, the most effective ways are:

1. MotorScrubber can be equipped with a suction head, which can be connected to a wet vac for instant slurry pickup.
2. **Squeegee** - Many hard floor areas have a drain in the floor. Dry and remove the slurry with your BLADE floor squeegee into the drain.
3. Attach BLADE A-Fibre and dry.



Also available.  
**BLADE removes more dirt, for a faster and better daily clean.**



## Underwater Use

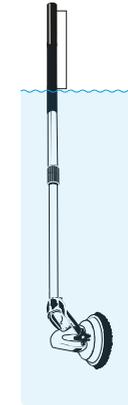
- Because its motor head can be fully-immersed in water, the MotorScrubber is ideal for many underwater cleaning tasks. One of the more popular uses of the MotorScrubber is cleaning the "scum line" above the water level in swimming pools, spas, boats, etc.
- Immersing the head for long periods of time could effect its water-proofing seals, due to the effects of prolonged heating and cooling. The seals could contract and allow water to make direct contact with the motor, which would cause a motor failure. Guidelines need to be followed to avoid this.
- The seals should be inspected once a month to check for signs of corrosion, that would compromise its water tightness. If the unit is used underwater on a regular basis, an internal inspection of the head is also required each month by a competent technician, this is to check for water ingress.

**WE RECOMMEND NOT USING THE MOTORSCRUBBER FULLY SUBMERGED IN WATER FOR MORE THAN 2 MINUTES CONTINUOUSLY. MOTORSCRUBBER SHOULD THEN BE REMOVED AND ALLOWED TO COOL FOR 5 MINUTES.**

- Waterline cleaning, where MotorScrubber is half in and half out of the water has no limitations.
- Regular underwater usage will reduce the lifetime of the head unit. MSGREY12V complete motor head can be purchased and replaced when required. 1 year is the suggested life of regular underwater use.



**Fully submerged**  
Use for 2 minutes then take out to cool for 5 minutes.



Submerge up to 25cm away from the switches.



**Scum line cleaning**  
There are no limitations, you can clean continuous using this method.



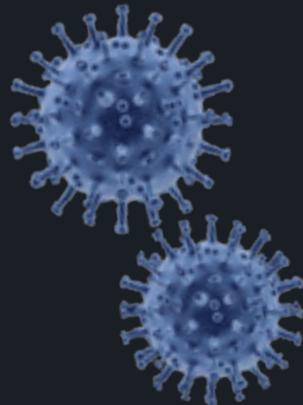
STORM<sup>®</sup> has been designed to apply disinfectant quickly & evenly to common touch points in **the fight against Coronavirus.**

STORM<sup>®</sup> applies a **perfect liquid layer of disinfectant.**

**How is Coronavirus transmitted?\***

It is spread by the **following ways:**

- Contact with infected surfaces, then hands touching eyes, nose or mouth.
- Close contact from another person.
- Through droplets, when someone coughs or sneezes.



\*Source: [www.cdc.gov](http://www.cdc.gov)

# Disinfecting with **STORM<sup>®</sup>**

STORM<sup>®</sup> is a **Liquid Layer Applicator.**

Please see **EPA.GOV** website for a list of chemicals proven to be effective against Coronavirus. Ideally select a disinfectant with the shortest contact time, so that the surface does not need to stay wet for as long.

**Check your approved chemical MSDS sheet for the contact time required to be effective against viruses.**

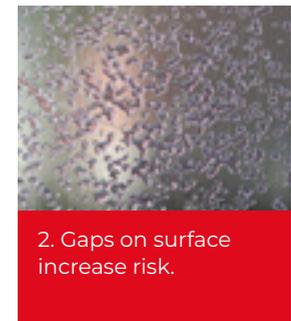
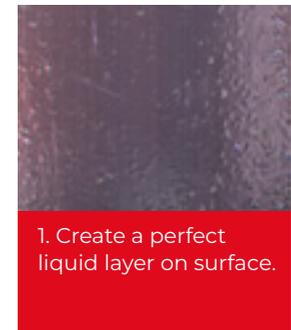
**We recommend using a disinfectant with the lowest contact time possible, 60 seconds or less.**

**The longer the contact time, the wetter the surface needs to be, so that it does not evaporate too quickly.**

**Example:**

- If the contact time is 5 minutes for your disinfectant, then the surface must stay wet for 5 minutes for the disinfectant to be effective. This will guide you when using STORM<sup>®</sup>, so you can judge how fast to move the wand when spraying touch points.
- The goal is to create a perfect liquid layer on the surface with no droplets, no gaps, **(see image 1)**. If you see droplets this means there are gaps on the surface, gaps = risk, **(see image 2)**.
- Choose a disinfectant that reduces surface tension in the liquid, so that the tiny droplets will merge together easily and form a liquid layer without gaps.
- Choose a disinfectant that dries clear or nearly clear. A lot of disinfectants dry with a smeared residue, this gives the impression the surface is dirty even after it has been disinfected.

- We also recommend using neat disinfectant to remove the possibility of user error from wrong dilution, which could impact the effectiveness of the disinfectant.
- Use common sense and do not spray disinfectant towards another person. When not in use, store on the belt holster. For extra safety, disconnect the electrical connection when not in use.



# Application Instructions

Please read all application instructions carefully before using.



## Vertical Surfaces

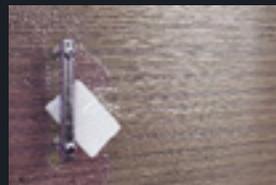
Start from the bottom and spray upwards, to avoid drips and runs. Use slow controlled movements.



## Flat Surfaces

(e.g. push plates)

- Spray
- Inspect For Gaps
- Move On To Next Touch Point



## 3 Dimensional Objects, awkward objects

- Spray
- Use Non-Absorbent M-Wipes (see page 06) to ensure the reverse side of the object is covered with disinfectant.
- Move On To Next Touch Point

## Disinfecting Electronics



STORM® is safe to use on electronics such as keyboards, and phones. STORM® will spray a fine mist which will land on the surface and create a liquid layer, be careful not to over spray the surface as there is a risk if too much fluid is sprayed then it could enter the electronics and cause a problem.

If you are concerned use M-Wipes to apply disinfectant to electronics, dispense an M-Wipe and fold in half, then spray disinfectant onto the M-Wipe until it is wet, then wipe the electronics to ensure the full surface is covered with a liquid layer of disinfectant, this method will prevent excess liquid from entering into the electronics.



If you are ever unsure that you have created a perfect liquid layer, wipe the surface with a disposable, non-absorbent wipe to spread the disinfectant and ensure perfect coverage with no gaps.

# Personal Protective Equipment and Safety Information

Please read all PPE and Safety advice carefully before using.

STORM® is a disinfectant applicator. We have various jet nozzles available, which atomise the solution at different levels.

As with all spraying equipment, it is possible that some of the smaller droplets will be inhaled by the user, which could be dangerous for prolonged periods of time.

**Please check your disinfectants MSDS sheet, which will give clear instructions of PPE required when using their product.**

If unsure, contact your disinfectant manufacturer. Explain how many hours of usage you will be using the product for. They can then recommend what PPE to wear to protect yourself.

There are also non toxic disinfectants available, which don't require PPE to be worn.

## Additional factors to consider.

There are 2 factors to consider for PPE, protecting yourself from long exposure to chemical disinfectants and protecting yourself from contracting Coronavirus whilst performing disinfection procedures.

**Example:** A FFP2/N95 respirator may protect you from Coronavirus, however, this will not filter chemical vapours from harsh chemicals. A thorough risk assessment will need to be performed to ensure you have adequate PPE to protect from Coronavirus/ other pathogens and also adequate PPE to protect you from prolonged periods of chemical usage.

## Fire Alarms

Unlike foggers which pump out high volumes of fog into the air, foggers can set off fire alarms. STORM® is safe to use around fire alarms, STORM® emits a targeted controlled flow of disinfectant designed to be sprayed at 30cm away from touch points. There is no need to spray directly as nobody touches these areas.



**Important:** If spraying hazardous disinfectants for prolonged periods of time, we recommend wearing a full face chemical respirator, along with elbow length nitrile gauntlets and disposable body suit. However, please ensure you check your chemical MSDS for accurate guidelines.

## JET3 Complete Parts Breakdown

1. **MSS103** Handle Grip
2. **MSJ23B** Switch Housing
3. **MSJ03B** Jet Cable
4. **MSJ08C** Water Pipe
5. **MSJ11** Black Check Valve
6. **MSS032** Handle Flip Clip 32mm
7. **MSGREY12V** Motorhead Complete
8. **MSJ11** Black Check Valve
9. **MSJ39** 4mm Push Fit 1/8BSP Female
10. **MSJ40** Stainless Jet Arm Bracket
11. **MSJ42B** Plastic Jet PVDF
12. **MS7003** Hub Dark Grey
13. **MSS061** Locking Knob
14. **MSS062** Acorn Nut
15. **MSS172B** Thumb Screws
16. **MS3003R** Aluminium Tube
17. **MS3004C** Handle
18. **MSJ26** Pump Switch
19. **MSJ25** Brush Switch



## Backpack, STORM® Complete, M-Wipes Parts Breakdown

1. **MSS02** Backpack
2. **MSJ02** Backpack Pump Cable
3. **MSJ11** Black Check Valve
4. **MSJ01** 3 Core Coiled Cable with Female Metal Quick Fit Connector
5. **12V7ADC** Battery with DC Female Jack
6. **MSJ07B** Water pipe
7. **MSJ04** Barb pump inlet connection
8. **MSJ12** Pump Outlet connection
9. **MSJ06** Jet pump
10. **MSS25** Hi Speed Swirl Nozzle
11. **MST11** Jet Cap
12. **MS3003ST** STORM® Tube
13. **MSS12** Switch Housing
14. **MSJ26** Blue Pump Switch
15. **MSS103** Rubber Grip
16. **MST3** Water Pipe
17. **MSJ11** Black Check Valve
18. **MSJ03B** Pump Cable
19. **MSI580** Charger
20. **MSJ09B** Bottle
21. **MSJ10B** Bottle Cap
22. **MSJ60** 1ltr Bottle Pouch



- M-WIPES SYSTEM** (order separately)
23. **MSS30** Non Absorbent Wipes (6 Rolls per box)
  24. **MSJ62** Wipe Dispenser Pouch
  25. **MSJ61** Wipe Waste Pouch



## Certificate of Conformity

20/04/2020

The following products have been tested by us with the listed standards and are found in compliance with the council EMC Directive 2014/30/EU. It is demonstrative for the compliance with this EMC Directive.

Applicant: MOTORSCRUBBER Limited

Address: 8 Dugreave road, Sheffield S13 9LQ Great Britain

Product: Motorscrubber Battery operated Cleaning Machines

Model No: MS2000S, MS2000M, MS2000L, MSJET, MSPROWASH, MSFORCE, MSSTORM

Rated Input: AC 100 – 240Volt – , 50/60Hz, 0.6Amp

Rated Output: DC 12 Volt, 7Ah

Test Standards: EN55014-1

Yours Sincerely,

Imre Kili  
CEO

**INNOVATORS  
IN COMPACT  
CLEANING**

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0044 (0)114 478 8792 | [orders@motorscrubberclean.com](mailto:orders@motorscrubberclean.com)

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Company Reg. 10227794  
VAT No. 358 1140 35

## Your Warranty

### LIMITED ONE-YEAR WARRANTY

**MotorScrubber JET3 12-VOLT DC TOOL**

**MotorScrubber STORM® 12-VOLT DC TOOL**

We at MotorScrubber UK work hard to build the highest quality cleaning tools, we strive for perfection!

As the market leader in compact scrubbing machines, we select the highest grade components and continuously develop our machines, based on the valuable feedback from our customers.

Our aim is to build the world's most powerful, compact cleaning tool, which you can use all day every day without failure. We want you to be 100% satisfied with your MotorScrubber, in the rare event a fault should occur, we are here to help and ensure your machine is back up and running as soon as possible.

So that we can cover your warranty fully, please follow our terms.

Every MotorScrubber is thoroughly inspected and tested before leaving the factory. It is warranted to be free from defects in workmanship and materials, for the period of one year from the date of original purchase.

Should any problem covered by this warranty develop during the one-year period, follow the instructions in this booklet and return the unit, carefully packaged with freight prepaid to your original supplier.

Your supplier will inspect the item and liaise with us directly. If inspection shows the problem was caused by a defect in workmanship or materials, your supplier will repair (or at our joint option, replace) the unit without charge, return freight prepaid.

### PLEASE DON'T VOID YOUR WARRANTY BY:

1. Making alterations to the product.
2. Repairing or attempting to make repairs by anyone other than an authorised MotorScrubber agent.
3. Mistreating, misusing or improperly maintaining or operating the product.

**\*Terms and conditions may vary depending on your country, please contact your local supplier for exact terms.**

Register your warranty at:  
[motorscrubberclean.com/warranty](http://motorscrubberclean.com/warranty)



# Important Safety Instructions

- To protect against risk of electrical shock, do not put battery charger in water or any other liquid.
- Do not operate in the presence of explosives and/or flammable fumes or liquids.
- Do not store or carry battery so that metal objects can contact battery terminals – the battery could short circuit causing fire, personal injury or damage to the battery.
- Never attempt to open battery for any reason. If the housing of the battery breaks or cracks, immediately discontinue use and do not recharge. The battery should be replaced.
- Do not charge a battery if it is wet or shows any evidence of corrosion.
- Do not incinerate the battery; it can explode in a fire.
- Plug the battery charger directly into a 120VAC/60HZ or 240VAC, with the correct plug adaptor, electrical outlet (Do not use an extension cord).
- Charge the battery only with the MotorScrubber battery charger.
- Do not use the charger in wet or damp conditions. It is intended for indoor use only.
- Do not use the charger near sinks or tubs. Do not immerse in water.
- Do not allow the cord to hang over the edge of a table or counter or touch hot surfaces.
- Do not use charger for any other uses other than MotorScrubber batteries; other batteries may explode.
- Do not operate charger with damaged cord or plug. Replace the charger immediately.
- Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way. Return the appliance to your local distributor for examination, repair or electrical or mechanical adjustment. Do not disassemble charger.
- For best results, do not charge a battery when the battery or air temperature is below 40°F (5°C) or above 105°F (40°C).
- Unplug the charger when not in use and before cleaning or maintenance.
- Do not abuse the cord. To reduce the risk of damage to the electric plug or cord, never carry the charger by its cord or yank the cord to disconnect. Instead, grasp the charger plug and pull to disconnect. Keep charger cord away from heat, oil and sharp edges.
- Flush eyes and skin with water if contact is made with acid.
- **NEVER ATTEMPT TO OPERATE THE MOTORSCRUBBER FROM AN ELECTRICAL OUTLET. OPERATE THE MOTORSCRUBBER ONLY FROM THE 12-VOLT BATTERY.**

# Troubleshooting

## Is your machine not turning on?

- If your MotorScrubber is not turning on or is turning slowly, check the battery terminals are connected properly and motor to handle plugs are connected securely.
- Next, using a voltmeter, simply open the battery pack, disconnect the two leads at the battery, and touch the voltmeter probes to the terminals accordingly. A satisfactory reading would be approximately 11.5 to 13 volts.

## Is your machine not spraying?

If the machine is not spraying after priming the pump (**see page 15**) complete the following steps:

1. Can you hear the pump running when the blue pump switch is pressed, with the machine connected to the electrics? If yes continue with the following steps. If you cannot hear the pump, please contact the seller.
2. Is the water bottle filled? If no, fill the water bottle and prime the pump (**see page 15**). If the water bottle is filled continue below.
3. Does the water filter look clear? If blocked, replace the filter. If yes, continue to **4**.

4. Check that the check valves (**see page 4**) are in the right direction. On each check valve there is a small arrow, this should be pointing in the direction of the water flow, towards the head of the machine. If they are not, remove and re-fit. If they are continue below.
5. Check the pump inlet and outlet connections are as tight as possible, air could be sucked in. If they are firmly in place, with no obvious point of entry for air to get through, please contact the seller.

**For additional help on using MotorScrubber products, please visit the support section of our website: [www.motorscrubberclean.com](http://www.motorscrubberclean.com)**

**Don't forget to register your warranty.**

Register at:

**[motorscrubberclean.com/warranty](https://motorscrubberclean.com/warranty)**

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