

CTB370 NX

& CTX.170 (X-tract Kit)

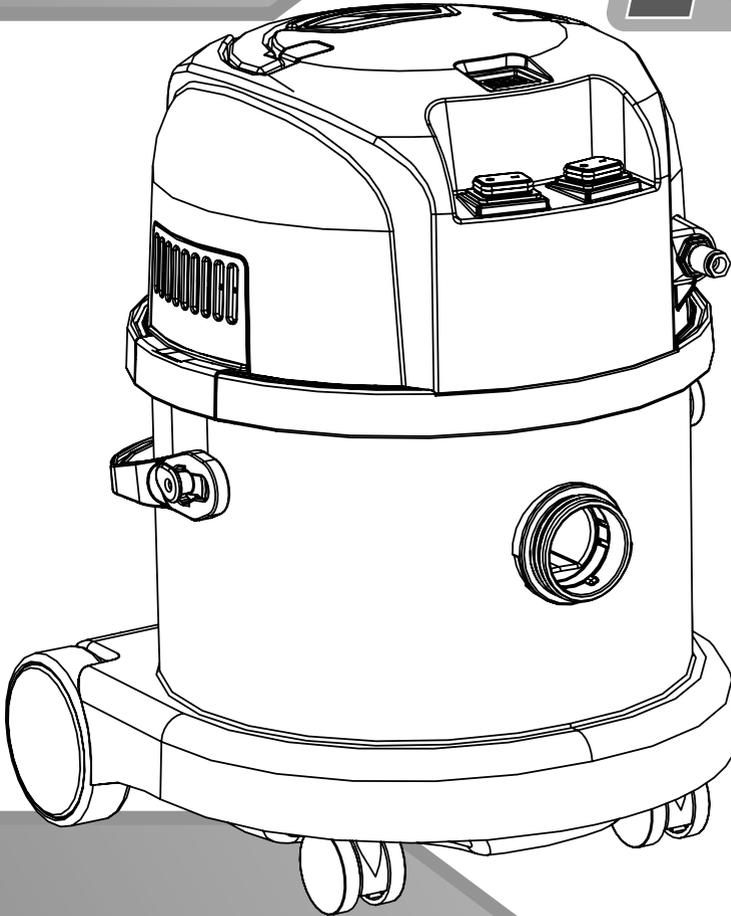
Numatic

numatic.com

OUT OF THE BOX Instructions



NX 300



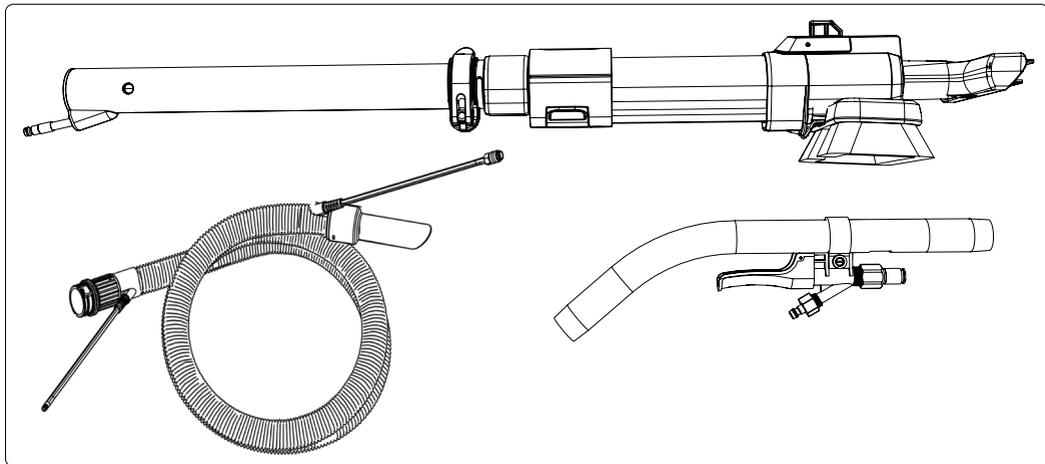
Proquip

NEW ZEALAND

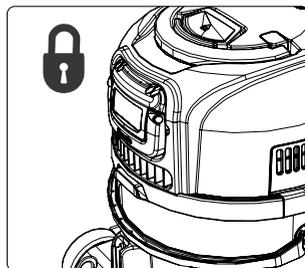
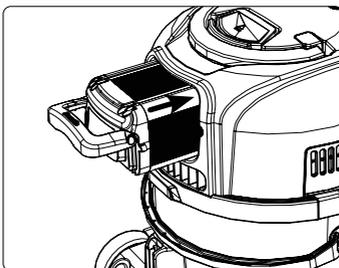
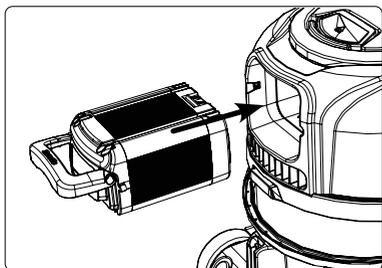
Original Instructions

CAUTION,
Read the Instructions before using the machine.

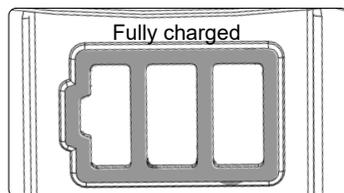
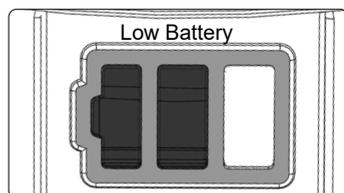
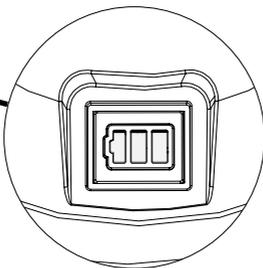
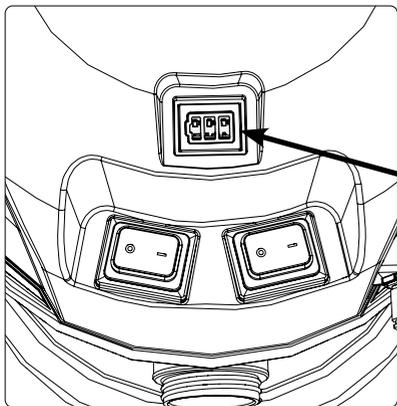
Kit Included



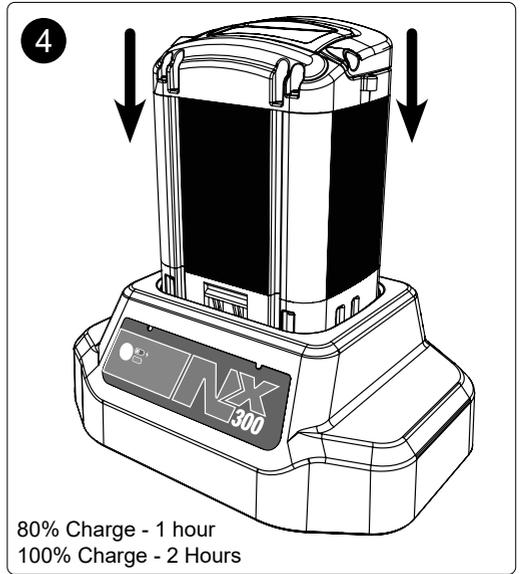
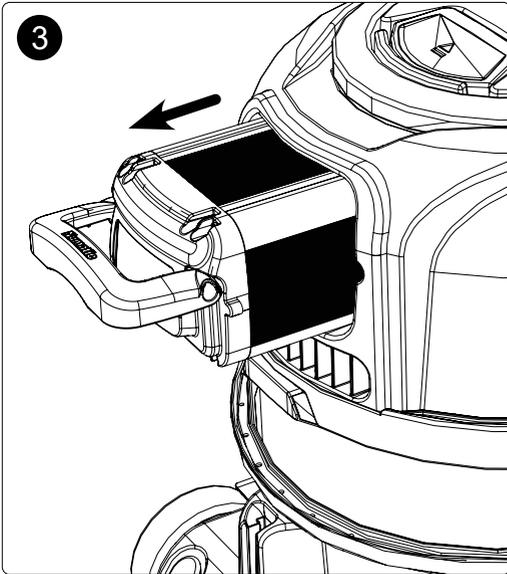
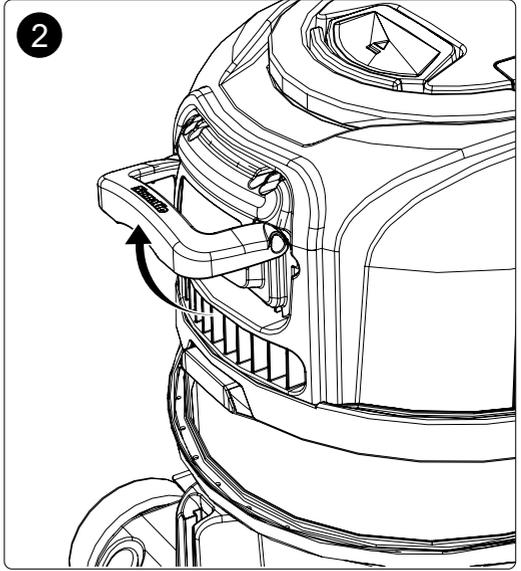
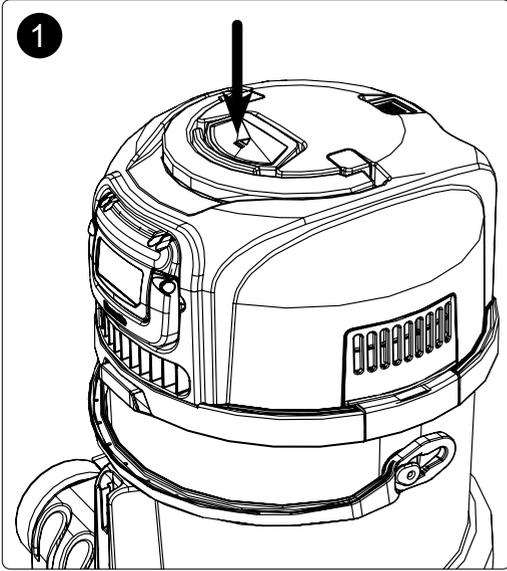
NX300 Battery Fitting



Battery Status

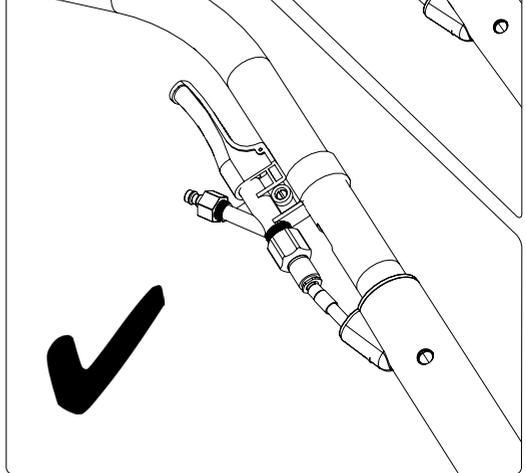
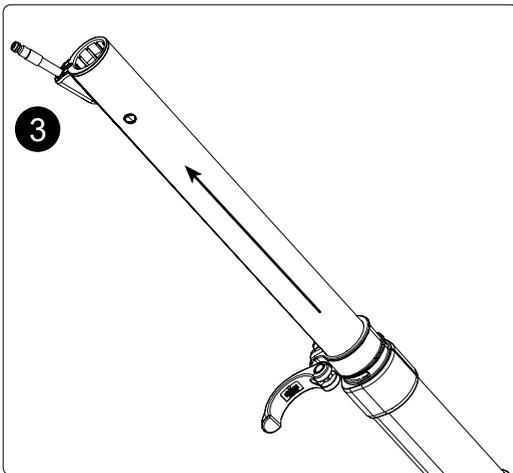
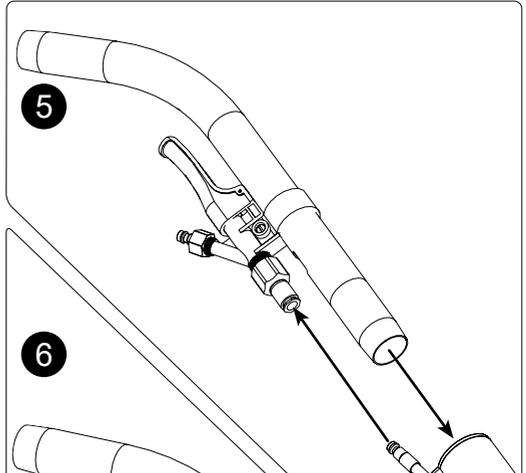
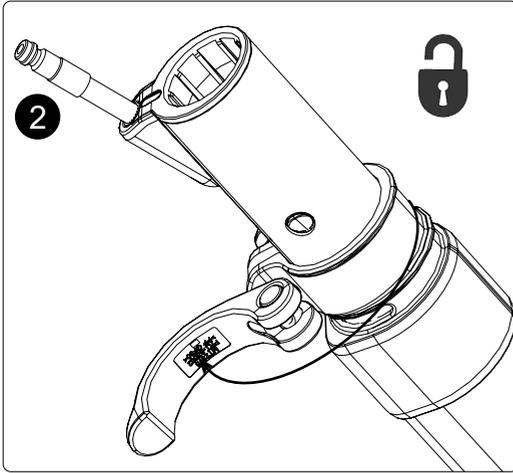
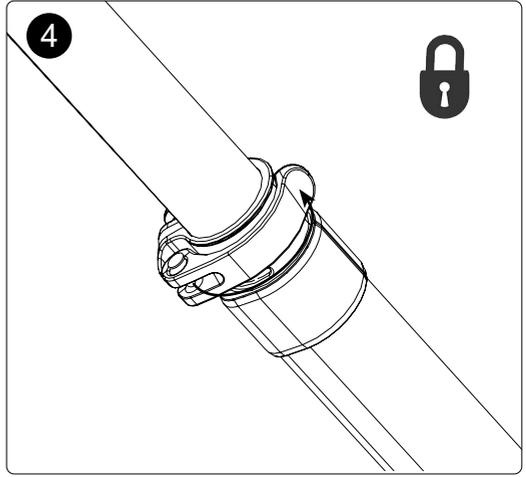
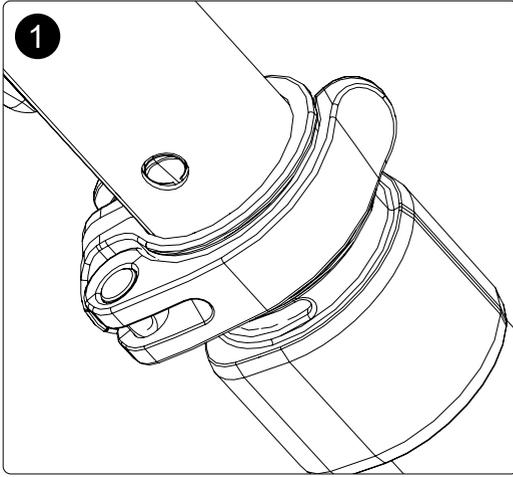


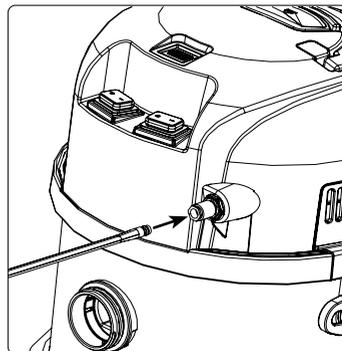
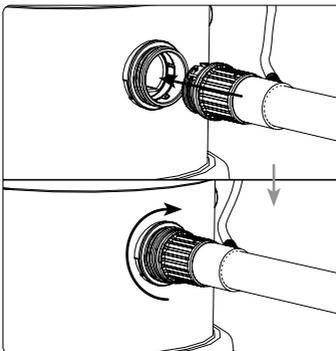
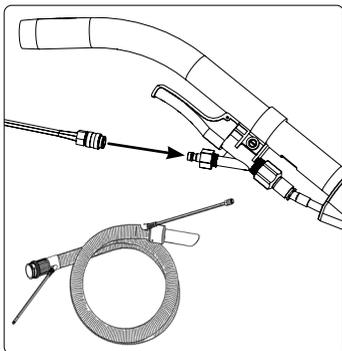
Charging your battery



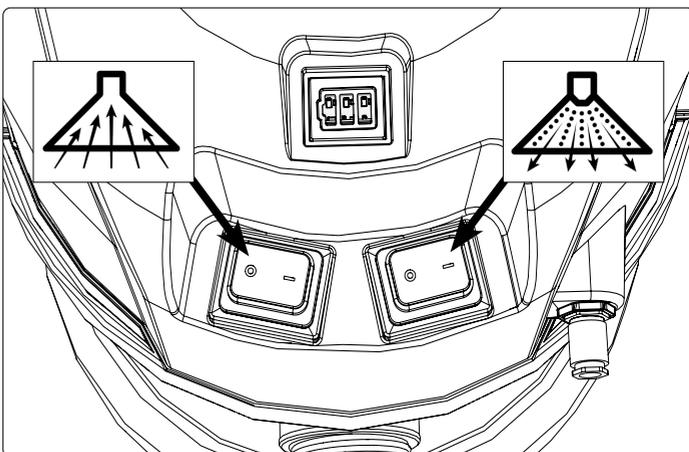
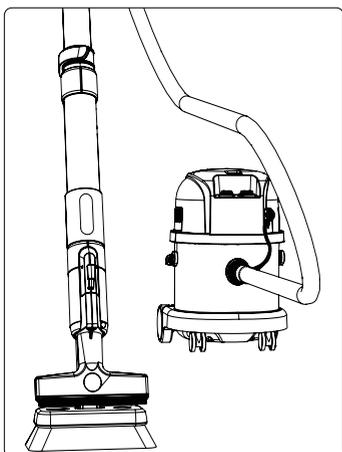
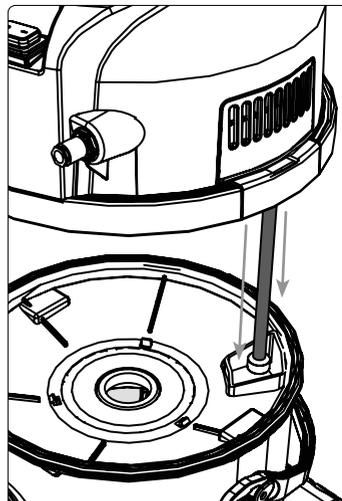
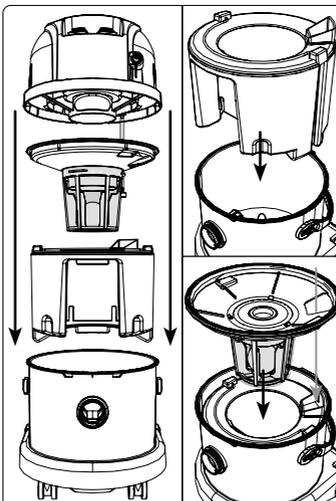
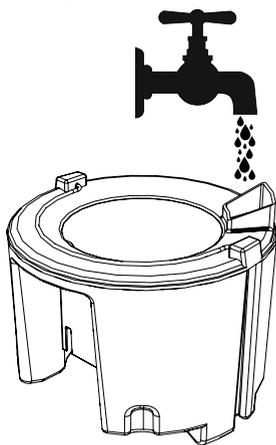
For information relating to the operation and charging of your battery refer to the battery and charger original operating instructions

Wet / Assembling the machine for extraction use





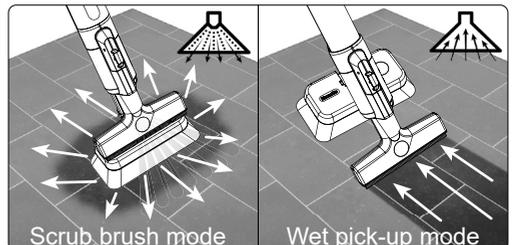
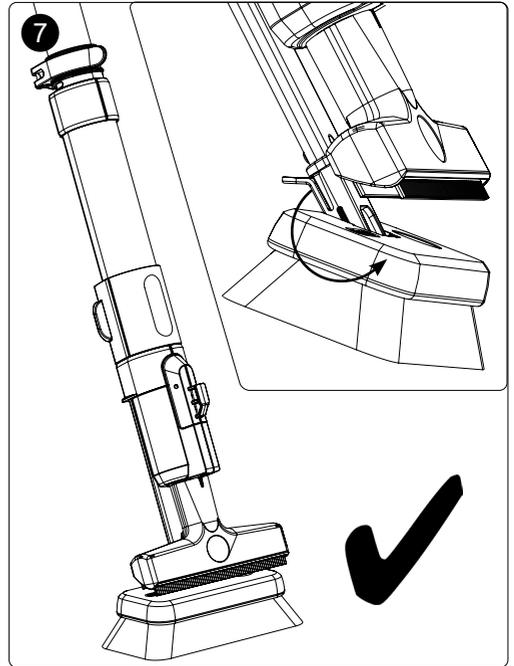
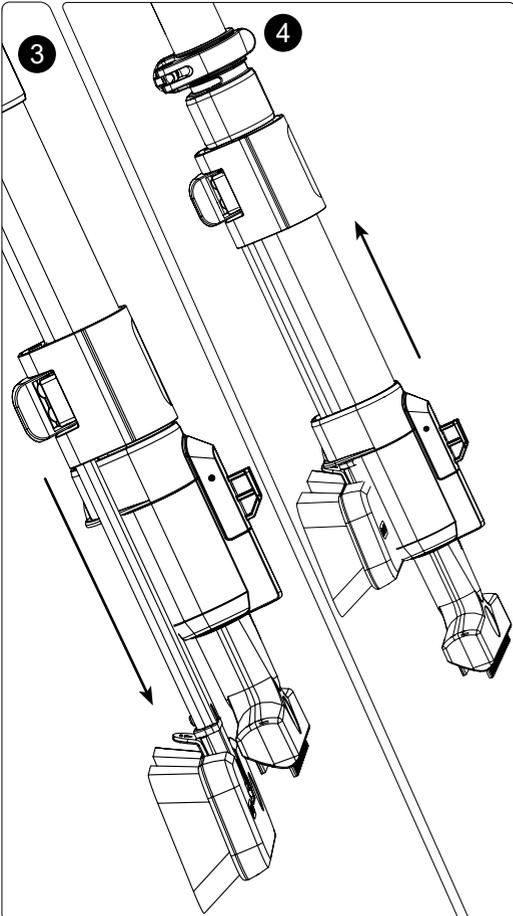
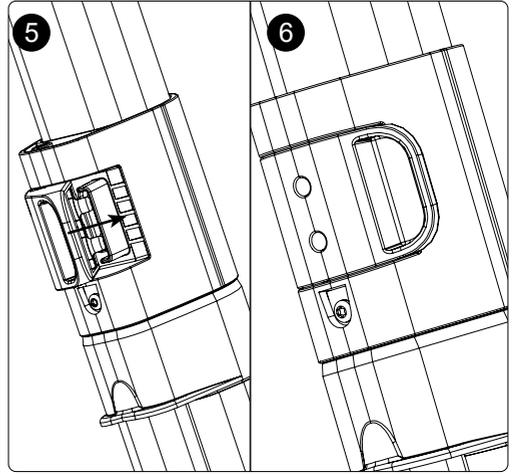
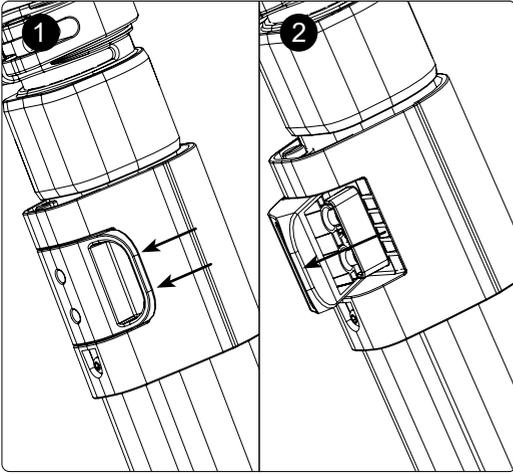
Cold Water
(20°C MAX)



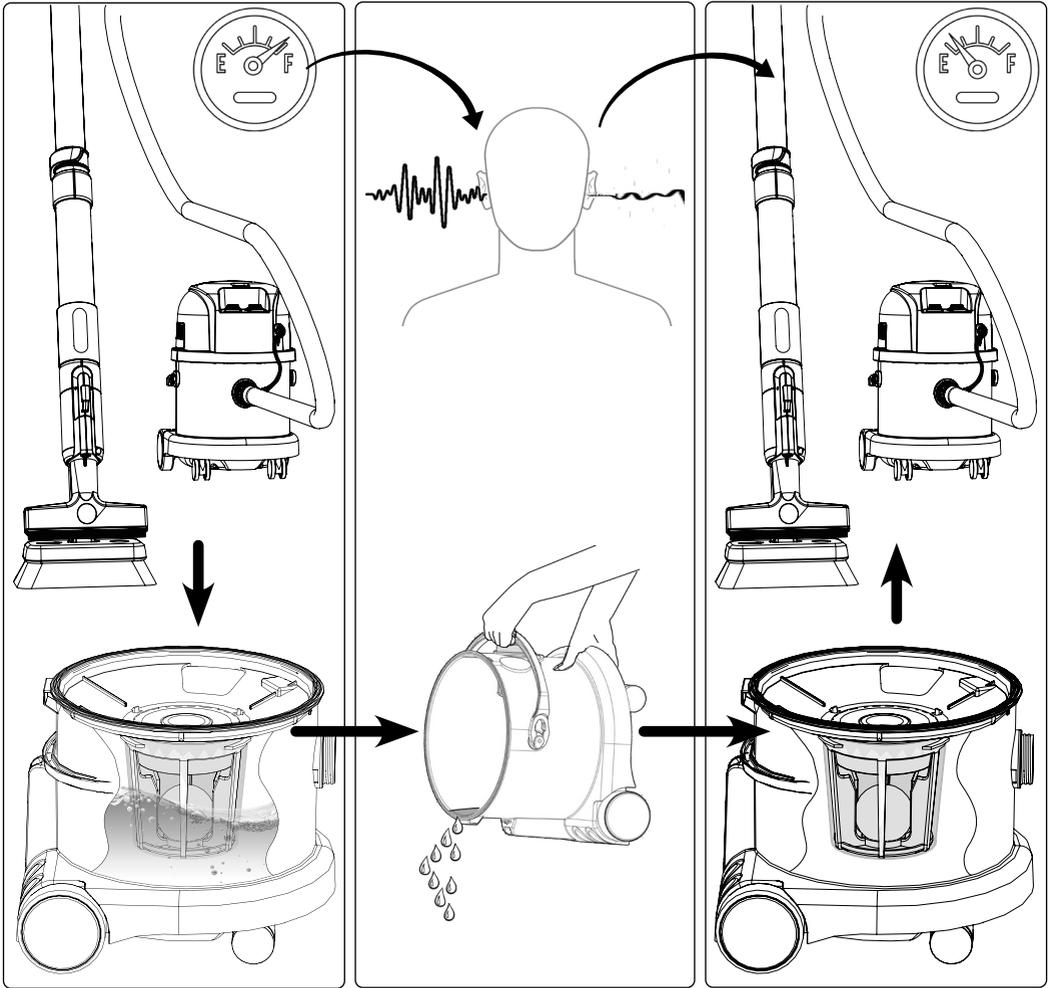
IMPORTANT INFORMATION

1. On startup, the pump must not be allowed to run dry (no water flowing) for more than 30 seconds to avoid damaging the pump.
2. During use, the pump must not be allowed to run dry (no water flowing) to avoid damaging the pump.
3. With only the pump operating (no vac) there is a built-in 30-minute timer before the pump turns off automatically.
4. The machine needs to be flushed with clean water after use to avoid blockages and increase the lifespan of the product.
5. Before disassembly/storage depressurise any residual fluid by holding the trigger and allowing excess fluid to escape.

X-tract Scrub Brush Setup

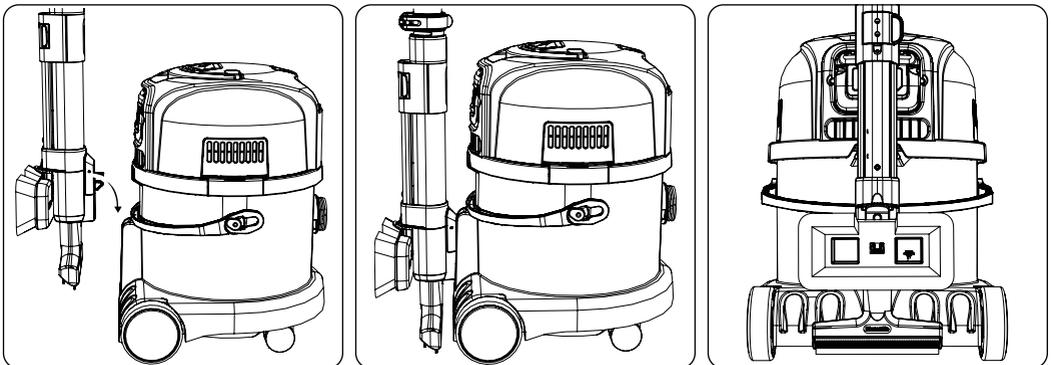


Emptying your machine

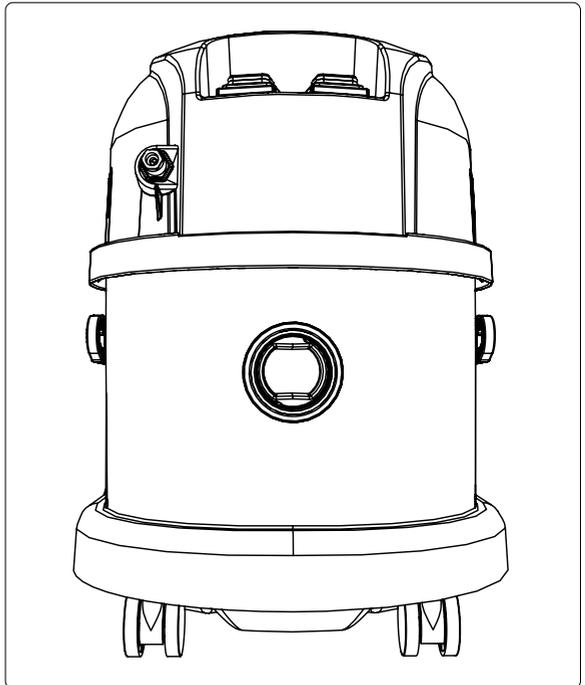
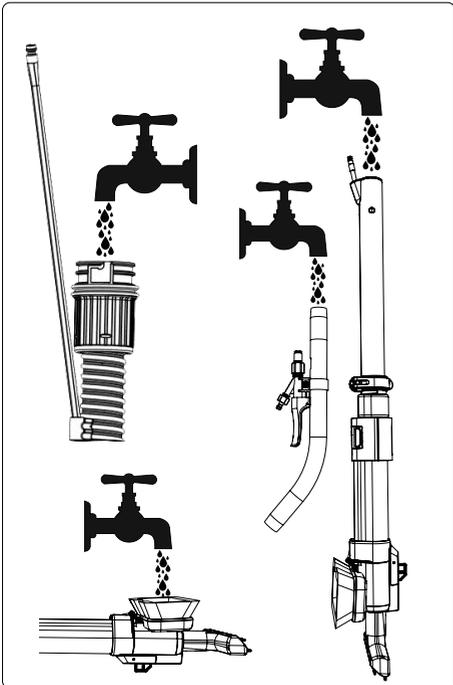
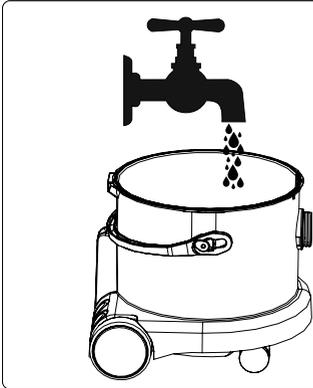
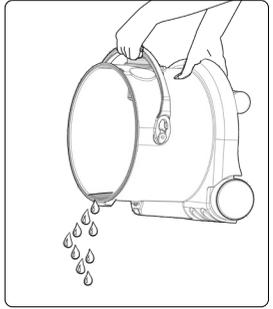
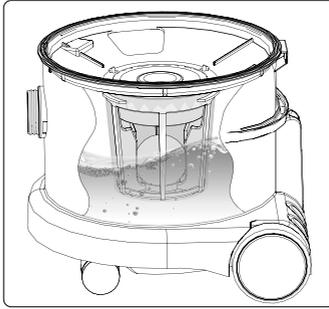
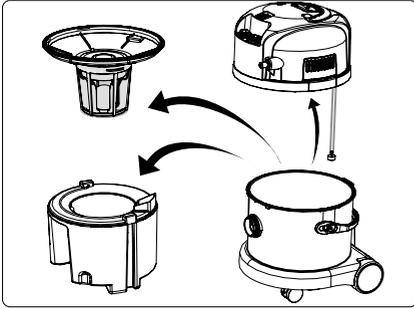


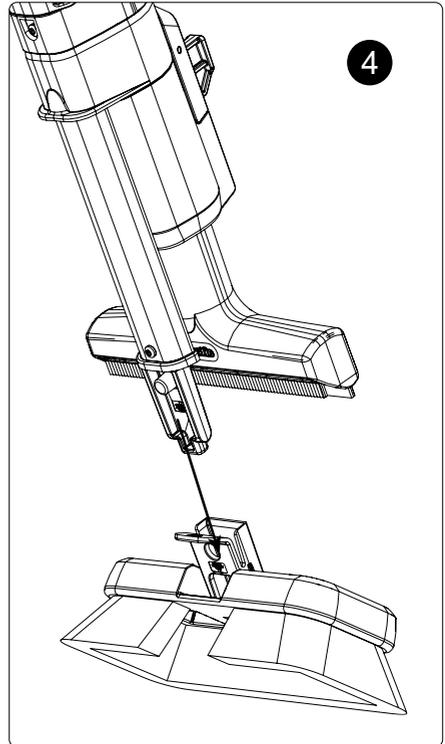
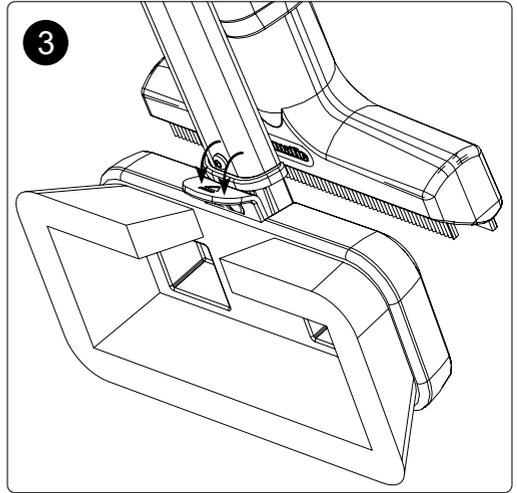
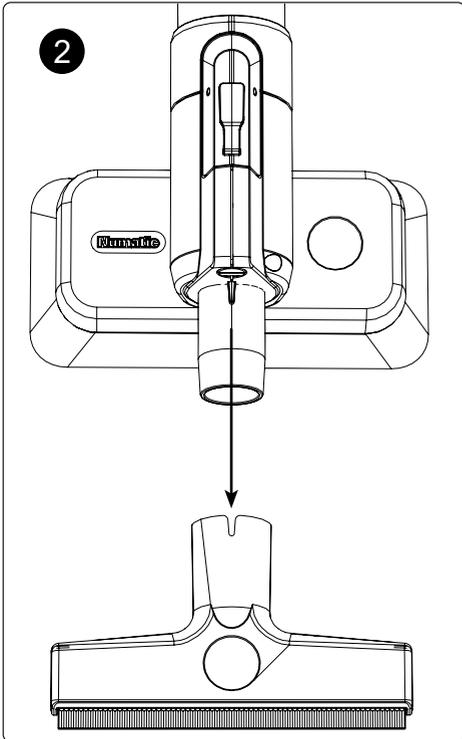
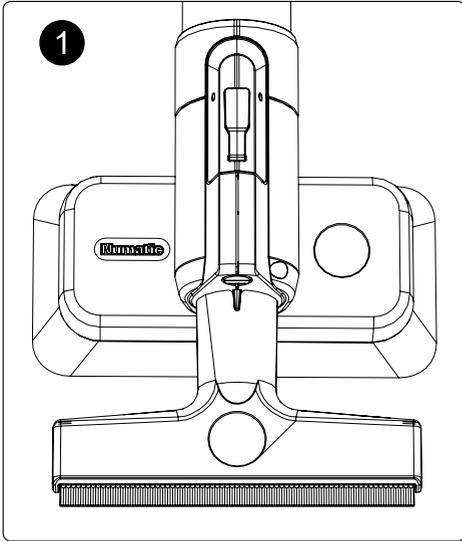
After cleaning the desired area, with the vacuum still running, collapse the wand and dock on the back of the CTB before turning the vacuum motor off.

Wand Dock



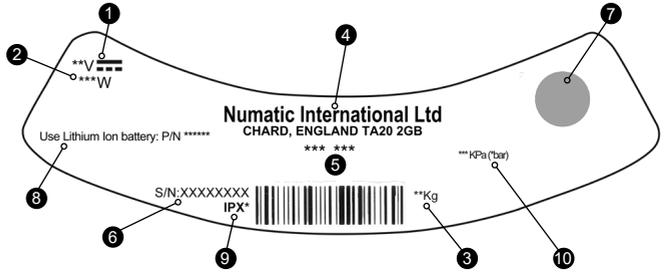
Cleaning the machine





Rating Label

1	Voltage / Direct Current
2	Rated input power
3	Weight (ready to work)
4	Company name & address
5	Model
6	Machine yr/wk Serial number
7	Approval Mark
8	Use Lithium-Ion Battery Only
9	IPX Rating
10	MAX Pressure



PPE (personal protective equipment) That may be required for certain operations.

Ear Protection	Safety Footwear	Head Protection	Safety Gloves	
Eye Protection	Protective Clothing	Dust / Allergens Protection	Hi Viz Jacket	
Note: A risk assessment should be conducted to determine which PPE should be worn.				

Failure to rectify the problem or in the event of a breakdown contact your Numatic dealer or the Numatic Technical helpline +44 (0)1460 269268

Daily

Keep the machine clean, including hoses and tubes.
Ensure the bag and filter are fitted.
Regularly examine the charger.
Check dust bag frequently.
Check filters are clean.

Weekly - as daily and:-

Check for any worn or damaged parts and replace immediately.
Do not steam clean or pressure wash.

Batteries

Always recharge the batteries after use.

MAINTENANCE

Safety Critical Components

Multi-Regional Charger 911334 (100-240V ~ 50/60 Hz)

Lithium- Ion Battery 8.1 Ah

Warning

Read the instruction manual before using the machine. Operators shall be adequately instructed on the use of these machines.

As with all electrical equipment, care and attention must be exercised at all times during use, in addition to ensuring that routine and preventative maintenance is carried out periodically to ensure safe operation.

Failure to carry out maintenance as necessary, including the replacement of parts to the correct standard could render this equipment unsafe and the manufacturer can accept no responsibility in this respect.

The machine shall be switched off and the battery removed before cleaning or maintenance and when replacing parts or converting the machine to another function.

This machine is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience or knowledge.

Children being supervised are NOT to play with the machine. This appliance is intended to be assembled, cleaned and maintained by an adult. This machine is not a toy. This machine is not suitable for picking up hazardous or explosive dust. Contact your local distributor if you require a machine capable of performing these tasks.

Caution

If foam/liquid comes out of machine exhaust, switch off immediately. Allow the accumulated liquid to drain out through the machine exhaust, check the float assembly to ensure correct operation, empty the container if full of liquid, reassemble the machine.

Immediately upon start up there will be a certain amount of liquid issuing from the machine exhaust which will be the residue of liquid still within the power head. This will be quickly discharged after which the machine should function normally. Liquid ejected from the machine could be hazardous as a result of its temperature, pressure or chemical content. Ensure that the filtration system fitted to the machine is suitable for the material being collected.

This machine is for indoor use only. This machine shall be stored indoors only. When moving from one place to another, consider the weight of the machine.

Notes

You must ensure that the filtration system fitted to the machine is suitable for the material being collected.

This product complies with the requirements of IEC/EN 60335-2-68

This product complies with the requirements of clause 20 of IEC/EN 60335-2-69 Stability and Mechanical Hazards.

The primary use for this machine is commercial, for example in hotels, schools, hospitals, factories, shops and offices.

If the vacuum cleaner stops working, remove the battery before investigating where the fault lies.

The vacuum cleaner should be inspected after use for damage.

Do

- Use a bag and filter at all times when using 'dry'.
- Keep your machine clean.
- Keep filters clean.
- Regularly clean the water level limiting float safety valve and examine for signs of damage or correct operation.
- Keep hoses and tubes clear.
- Replace any worn or damaged parts immediately.
- Wet filters and the interior part of the liquid container shall be dried before storage.

Don't

- Use steam cleaners or pressure washers to clean the machine or use the machine in the rain.
- Immerse in water for cleaning.
- Allow any inexperienced repairs. Call the experts.
- Use wet if float valve is not functioning or fitted.
- Use to suck up hot ashes, or lighted cigarette ends.
- Walk over-wet carpets, upholstery or fabrics.
- Walk on clean carpets until fully dry.
- Attempt machine maintenance or cleaning unless the battery has been removed from the machine head.
- Under any circumstances place foreign objects including (but not limited to) air fresheners, air freshener capsules or scented beads of any type into the top filter of the machine. Doing so can be dangerous and risk damage to the machine and may invalidate the machine warranty.

This machine can be used for dry pick up, wet pick up and cleaning carpet and upholstery.

Spray extraction machines only

- Use only approved cleaning preparations.
- Use defoamer if necessary.

Use of detergents

When using any detergent with this machine, please ensure you have read the safety data on the container and you are familiar with the procedures to clear up spills, inhalation, skin and eye contact.

Fault Finding

Dry Mode maintenance / Fault finding

If the vacuum cleaner stops working switch off and remove the battery before investigating where the fault lies.

If the vacuum cleaner will not pick up any debris from the surface, switch off and remove the battery, inspect the floor tool, wands and hose for blockages, if no blockages are found, the dust bag may be full if the dust bag is not full the filter may be blocked.

Wet mode / Spray Extraction maintenance / Fault finding

If the vacuum cleaner stops working switch off and remove the battery before investigating where the fault lies.

If the vacuum cleaner has a blockage and will not pick up liquid, switch off and remove the battery. Has the float valve operated?, this will shut off the suction and the pitch of the vacuum motor will change.

Remove the power head and empty the liquid out of the container, if the container is empty, check that the floor tool wands and hose are not blocked.

If the spray nozzle is blocked a pin maybe used to clear the blockage.

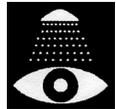
No spray from nozzle and the pump tone changes, the solution tank is empty, refill the solution tank.

Flush the system with clean water after use.

After use always inspect the machine for damage.

Numatic Lithium-ion Rechargeable Battery

36V | 8400mAh | 300Wh | 10INR19/65-3



It is important that you observe the following information and warnings!

Emergency Contact Information

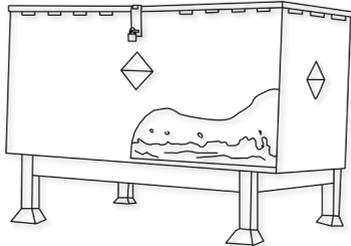
Address:	CBAK BATTERY HEADQUARTERS Shenzhen BAK ENERGY Co. LTD, 2603A BAK Tech Bldg, 9th Keyan Rd, Hi-tech Park, Nanshan Dist, Shenzhen City, China	NUMATIC INTERNATIONAL LTD Millfield Road, Chard, Somerset, TA20 2GB, UK
Tel:	0086-755-83283710	0044-146-068600
www.numatic.co.uk www.numatic.de www.numatic.ch www.numatic.fr www.numatic.nl www.numatic.co.za www.numatic.pt www.numatic.es www.numatic-online.dk		

1. DEFECTIVE BATTERIES

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1. If a customer wishes to return a battery to a supplier, then collection of the battery must be arranged by the supplier; however. **Faulty batteries must not be returned through the postal system or by courier.**
2. If on return to a supplier, OR at a customer base, a suspected defective battery shows any signs of impact damage, distortion, blistering, loose parts, liquid ingress or leakage then on no account should it be offered for condition checking. It must be considered defective and the procedures described from item 9 below should be followed.
3. If, on return to a supplier, OR at a customer base, a suspected defective battery, that shows No signs of impact damage, distortion, blistering, loose parts, liquid ingress or leakage, may be offered for condition checking with an appropriate battery condition checking device operated by a competent person.
4. If battery is subjected to any liquid ingress users should put the pack upright immediately, with the terminal face downwards.
5. If checking shows the battery to be defective then the procedures described from item 9 below should be followed.
6. If on checking the battery is found to be operational then a single recharge cycle under observation can be attempted with the appropriate Numatic charger.
7. If the battery recharges correctly on this single recharge cycle then it can be deemed a good battery.
8. If the battery fails to recharge correctly on this single recharge cycle then it must be deemed a defective battery and the procedures described from item 9 below should be followed. **On no account must any further attempt to recharge be made. A defective battery should not be stored inside buildings on any account.**

9. The defective battery should be discharged by placing it in a container of salt water located in a well- ventilated area. This container should contain 25 litres minimum of saline water at a concentration of 15g common salt / litre of water. The container should have a closed locked lid but should not be sealed. The battery should be left fully immersed in the water to a depth of at least 100mm for at least 2 weeks. The water should be disposed of as hazardous waste when the discharge is complete.
10. The defective discharged battery can then be stored in a locked battery waste container which should be plastic or plastic lined and placed away from buildings and clearly signed as a defective battery container with appropriate warnings.
11. The batteries should then be sent for waste disposal according with your country's waste regulations.



An example of a waste battery storage bin well away from buildings.

2. HANDLING AND STORAGE

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DANGER!

Improper handling can lead to an explosion or ignite a fire!
Store batteries out of reach of children.

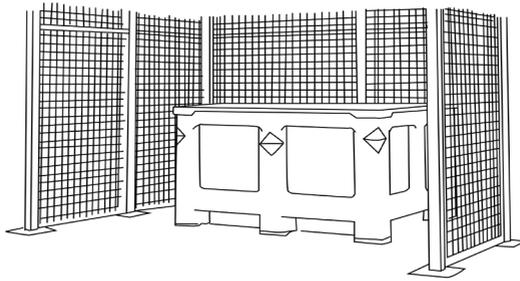
- Insert the battery in the appliance only when it is in use.
- Always remove the battery from the appliance for transport and when it is not in use.
- Storage temperature range: $-10^{\circ}\text{C}\sim 55^{\circ}\text{C}$.
- Temperatures must not exceed 55°C .
- Relative humidity range: 45 to 80%.
- Optimum preservation of functionality: $15^{\circ}\text{C}\sim 25^{\circ}\text{C}$.

WARNING:

- Do not open the battery, disassemble it or allow it to fall from a substantial height.
- Protect the battery against short-circuiting – danger of explosion!
- Protect the battery against rain, do not immerse in liquids especially flammable liquids – danger of short-circuiting potential risk of fire or explosion. Follow defective battery disposal safety procedure. Insure the product is moved away from any combustible source.
- Protect the battery against direct sunlight, heat and fire.
- Do not incinerate the battery – danger of explosion!
- Do not use defective or deformed batteries.
- Use only original NUMATIC chargers to charge the battery.

STORAGE:

- Good batteries should be stored in a protected area away from sources of direct heat and sunlight and should be kept dry.
- The temperature should not exceed 55°C but preferably not be above 25°C to maintain good battery performance.
- Storage area should be of low humidity, non dusty and a non corrosive atmosphere.



- An example of a well protected area with a cage to protect against accidental impact damage and with the batteries stored in a protective container to protect from heat, impact and accidental spillage of liquids.
- Care when handling / moving with forklift trucks or pallet trucks is needed at all times to avoid any physical damage to the batteries.
- If a good battery at any time is mishandled or subjected to any conditions that may damage it, as described in the battery Instruction manual supplied, it must then be considered as defective and procedures followed from Item 1 of this document overleaf.

3. HAZARDS IDENTIFICATION

EN

- Electrolyte may escape from damaged batteries. Avoid contact.
- Contact can cause skin irritation, burns and chemical burns.
- If liquid comes into contact with eyes, seek medical attention.
- Avoid inhaling any vapours formed or released – caustic.

4. FIRST AID MEASURES

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In the event of contact with released electrolyte or electrolyte vapours:

- Eye contact – flush eyes for at least 15 minutes with plenty of clean water without rubbing and seek medical attention.
- Skin contact – wash affected areas of skin with plenty of water and soap; if irritation persists, seek medical attention.
- Inhalation – provide fresh air or administer oxygen immediately and seek medical attention.
- Ingestion – if electrolyte has been ingested, seek medical attention immediately.

Information for physicians:

- Contains caustic alkaline electrolytes in cells with lithium oxide, nickel oxide and cobalt/lithium manganese oxide cathodes – NO LITHIUM METAL OR LITHIUM ALLOYS.

5. FIRE FIGHTING MEASURES

EN

- In case of fire – Keep clear of vapours and gases generated, take wind direction into consideration. If possible without danger, remove batteries from the vicinity of the fire. In principle, cooling or extinguishing with water is possible, but should only be done by trained personnel with sufficiently large quantities of water.
- If the hazard situation is unclear, extinguish only with ABC powder extinguishers (Class D extinguishers for fires involving metals are especially suitable).
- Fire fighters should only approach the fire wearing protective clothing and self-contained breathing apparatus.
- Once the fire has been extinguished, as a rule, the area should be monitored (fire watch) and cleaned up by trained and appropriately equipped personnel; fire residue should be contained and disposed of properly.

6. ACCIDENTAL RELEASE

EN

Disposal – Wear protective gear, wipe up with absorbent textile and dispose of as hazardous waste at collection points for hazardous waste according to national regulations.

7. EXPOSURE CONTROLS, PERSONAL PROTECTION

EN

Respiratory Protection:

- In case of battery venting, providing as much ventilation as possible. Avoid confined areas with venting batteries.
- Respiratory Protection is not necessary under conditions of normal use.

Ventilation:

- Not necessary under conditions of normal use.

Protective Gloves:

- Not necessary under conditions of normal use.

Other Protective Clothing or Equipment:

- Not necessary under conditions of normal use.
- Personal Protection is recommended for venting batteries: Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.

8. DO

EN

- Use NUMATIC batteries only with NUMATIC appliances and charge them only using NUMATIC chargers.
- Charge battery before use.
- Store the battery out of the reach of children.
- Secure the appliance against unintentional start up – remove the battery from the appliance before transporting or storing the appliance.
- Protect from rain and liquid ingress
- Protect from direct sunlight, heat, and open flames.
- Keep a battery that is not in use away from metal objects, (e.g. nails, coins, jewellery).
- Follow the disposal advice of the manufacturer and any internal waste management guidance.
- Use and store the battery with-in temperature range (as shown in Temperature Range Table).

Warning: The battery included in this product must only be charged by the Numatic Charger and docking system supplied with the product and in NO circumstances should an alternative non Numatic charger be used as there is risk severe damage and fire could result.

Note* “If batteries are subjected to temperatures beyond normal operating limits automatic shutdown will occur. Under these conditions allow the batteries to acclimatise at room temperature (18°C – 22°C) for several hours to allow the battery to wake up”.

Temperature Range Table	
CHARGING	5°C~35°C
DISCHARGING	5°C~35°C
STORAGE OPTIMUM	15°C~25°C
STORAGE LIMIT	-10°C~55°C

9. DO NOT

- Throw battery into fire – risk of explosion!
- Charge or use a defective, damaged or deformed battery including batteries subjected to liquid ingress.
- Open, damage or drop the battery.
- Expose the battery to microwaves or high pressure.
- Immerse in fluids, especially flammable liquids.
- Insert objects in the battery's cooling slots.
- Bridge (short circuit) the battery terminals with metallic objects since this may damage the battery.
- Use metal containers for transporting batteries.
- Expose the batteries to high temperatures including direct sunlight.
- Crush, break open or physically abuse the batteries or the equipment that contains them.

10. DISTRIBUTOR TAKE-BACK / DISPOSAL

- On the basis of Battery Directive, the manufacturers take responsibility for financing collection, treatment and recycling of batteries used in devices. To this end, batteries must be handed over for disposal to the collection systems established for this under national law. Disposal of batteries together with household waste is prohibited; batteries must be collected separately according to type.
- Return the battery free of charge to your NUMATIC servicing dealer for disposal or hand it over to an appropriate public collection point.

11. CHARGING BATTERIES

- The charger is intended for use only on flat surfaces, place horizontally on floor or work surface. The charger is intended for use with the detachable power cord supplied, the power unit is capable of operating at different voltages without user adjustment. If the charger is damaged or does not charge anymore, please return to service centre.

Charging Procedure:

- Ensure the battery is fully inserted into the charger.
- Fit the mains power cord to charger and suitable power supply.

Please Note: If the battery is above its optimum charging temperature (due to ambient temperature or it if was recently discharged) the charger LED will illuminate on/off RED for a maximum of 40 minutes whilst the battery temperature falls to an acceptable level for charging to begin.

- The LED should show RED to indicate charging.
- Once fully charged the LED will show GREEN.
- If power is supplied to the charger with no battery fitted the LED will show GREEN to indicate STAND-BY status.

CAUTION!

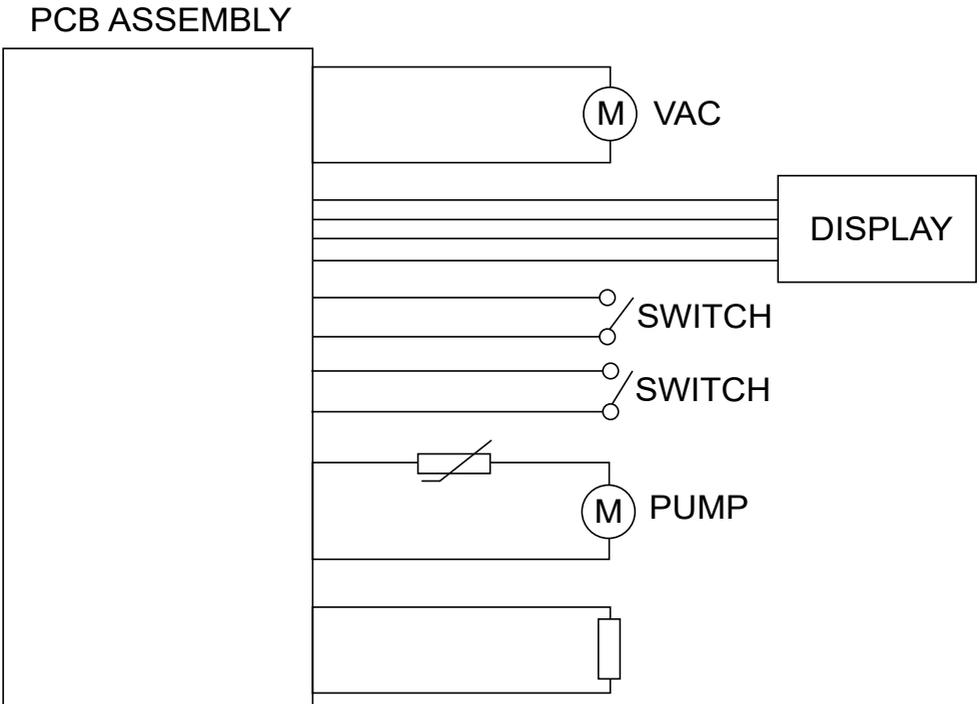
- Check the mains cord regularly for any sign of damage.
- Do not use damaged devices.
- If the mains cord of the charger is damaged, it must be replaced by an original NUMATIC INTERNATIONAL cord available from the manufacturer or service agent.

**Lithium-Ion Battery Warranty
Warranty: Commercial Use**

- a. Batteries are warranted (3 Year) providing all battery care rules are followed
- b. To claim warranty the following details must be supplied
 - i. Serial number of the machine
 - ii. Battery date code
 - iii. Date purchased
 - iv. Proof of Purchase
 - v. Maintenance history and charging regime

Failure to use the correct Numatic charger will void your warranty.

Schematic diagram



Numatic

numatic.com

Numatic International Limited (Head Office)

Chard, Somerset TA20 2GB, UNITED KINGDOM

Tel: 01460 68600 numatic.com

Numatic International GmbH

Fränkische Straße 15-19, 30455 Hannover, DEUTSCHLAND

Tel: +49 (0) 511 984 2160 numatic.de

Numatic International Denmark

Fränkische Straße 15-19, 30455 Hannover, DEUTSCHLAND

Tel: +45 (0) 316 40808 numatic-online.dk

Numatic International S.A.S

13/17 rue du Valengelier, EAE la Tuilerie, 77500 Chelles, FRANCE

Tel: +33 (0) 164 726 161 numatic.fr

Numatic International BV

Vennootsweg 15, 2404 CG, Alphen aan den Rijn, NEDERLAND

Tel: +31 (0) 172 467 999 numatic.nl

Numatic International Schweiz AG.

Sihlbruggstrasse 3A, 6340 Baar, SCHWEIZ

Tel: +41 (0) 41 768 0760 numatic.ch

Numatic International (PTY) Ltd.

Cnr. 16th & Pharmaceutical Road, Randjes Park, Midrand 1685, SOUTH AFRICA

Tel: +27 (0) 861 686 284 numatic.co.za

Numatic International ULDA

Rua Francisco da Silva Duarte, n°79,

4475-269 Santa Maria de Avioso, Castelo da Maia, PORTUGAL

Tel: +351 220 047 700 numatic.pt

Numatic International Spain, S.L.U.

Av. Baix Llobregat, 5-7, Oficina bajos 1 (Parc Negocis Mas Blau II)

08820 El Prat de Llobregat (Barcelona), SPAIN

Tel: +34 93 647 22 22 numatic.es

Numatic International Italy S.R.L

Via Luigi Galvani, 2, Z.I. Talponedo, 33080 Porcia (PN), ITALY

Tel: +39 (0) 434 046 211 numatic.it