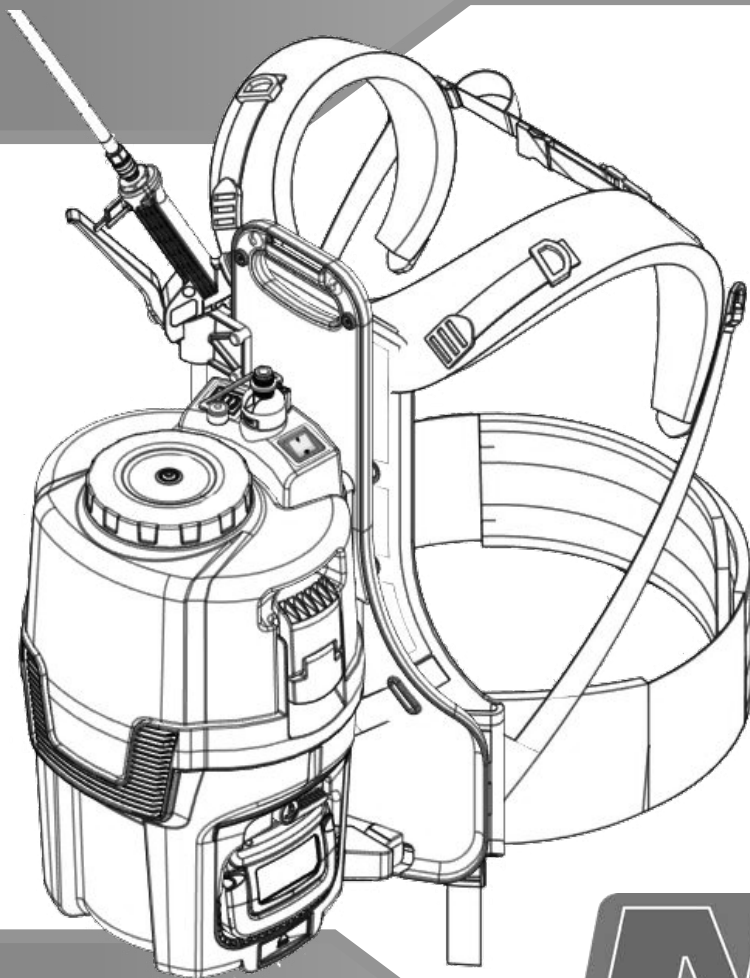


RSU150 NX

Numatic

NUMATIC RUCKSACK SANITISER UNIT
BATTERY POWERED

numatic.com



NX 300

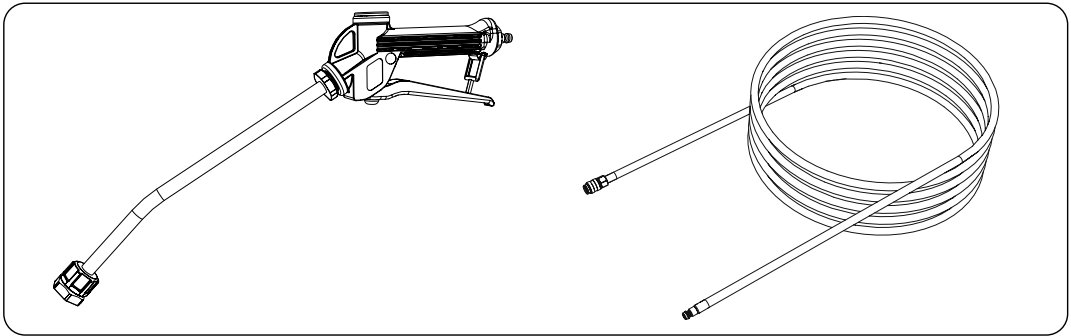
Original Instructions

CAUTION, Read the Instructions before using the machine.

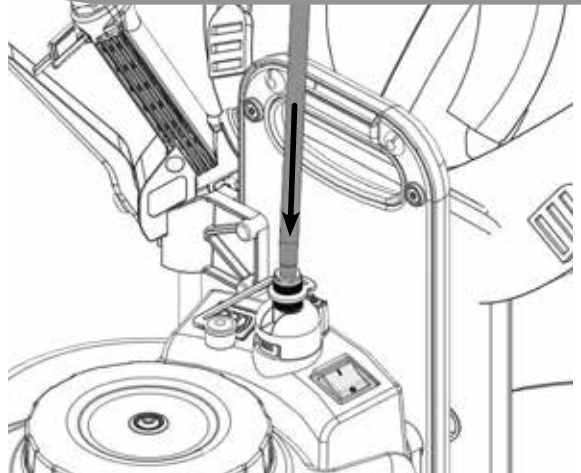
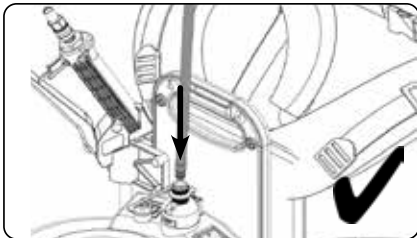
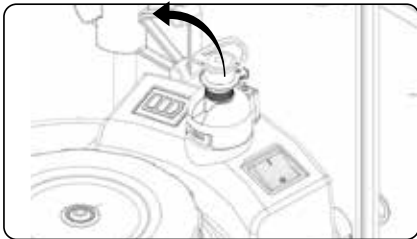
This machine is not suitable for spraying / sanitising electrical items.

KEEP FOR FUTURE REFERENCE

Kit - Lance & Solution Tube



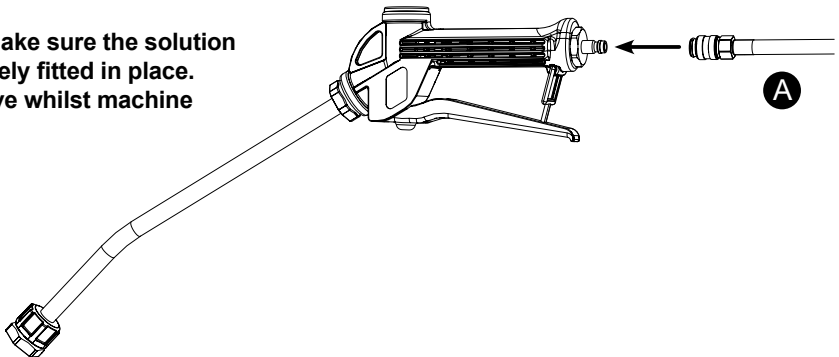
Assembly - Solution Tube to Machine

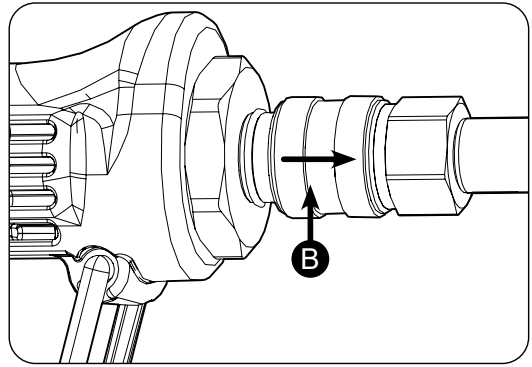
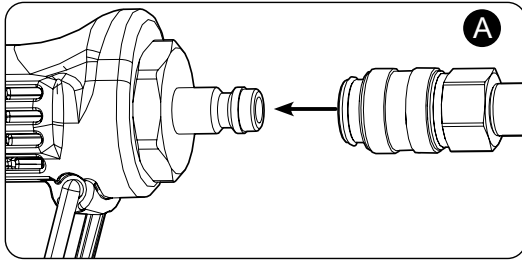


WARNING: Make sure the solution tube is securely fitted in place. Do not remove whilst machine is running.

Assembly - Solution Tube to Lance

WARNING: Make sure the solution tube is securely fitted in place. Do not remove whilst machine is running.





To release the solution tube push the quick release connection in the direction shown (Fig B). Pull out the solution tube.

Chemical Dosage

Remove the solution tank from the machine prior to filling with cold water and chemical to avoid spillage onto the machine. (See following page).

HSE SR2 COSHH essentials for service and retail, Add liquid concentrate to diluting liquid - never the other way around, unless the instructions say so.

WARNING:

DO NOT USE WITH WATER ABOVE 20°C

TECcare Dosage

2 Litres = 24 ml

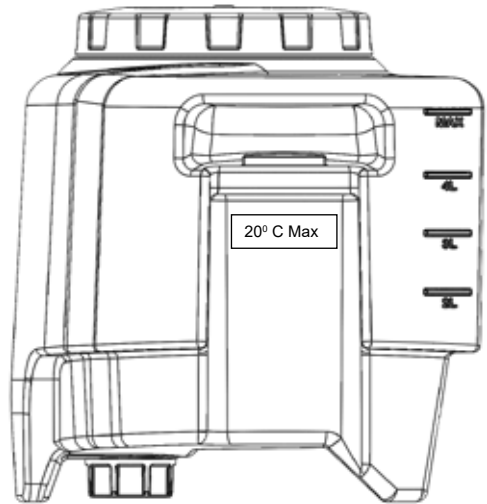
3 Litres = 36 ml

4 Litres = 48 ml

5 Litres = 2 x 30ml (full cups)

Note: Chemical dosage should be strictly adhered to and only applies to Numatic supplied chemical. Users must always refer to the manufacturer's data sheet for dilution rates.

Chemical dosage cup (30ml) Part No – 912811.



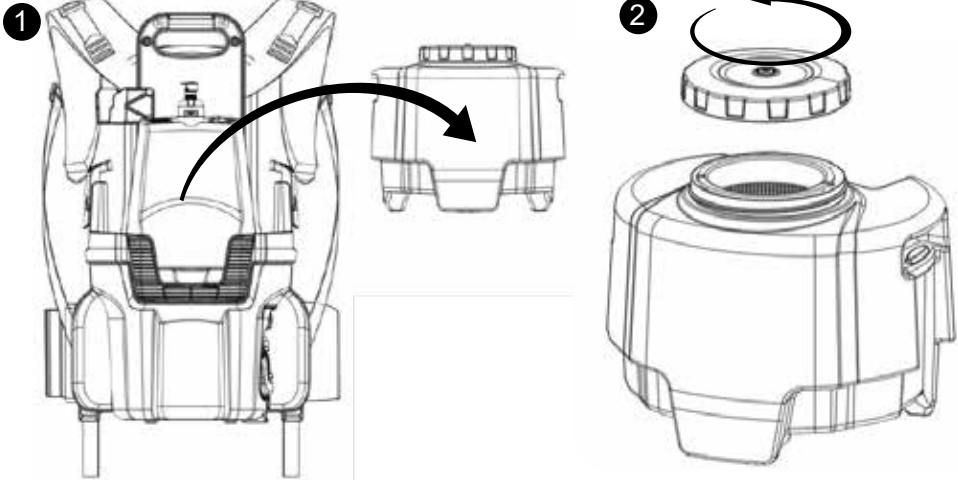
WARNING: Any deviation from the manufacturer's dilution rates, could cause reduced cleaning strength or a high concentration of sanitising mist.

Make sure the correct PPE is worn when handling the chemical concentrated solution.



Chemical Dosage Machine Setup

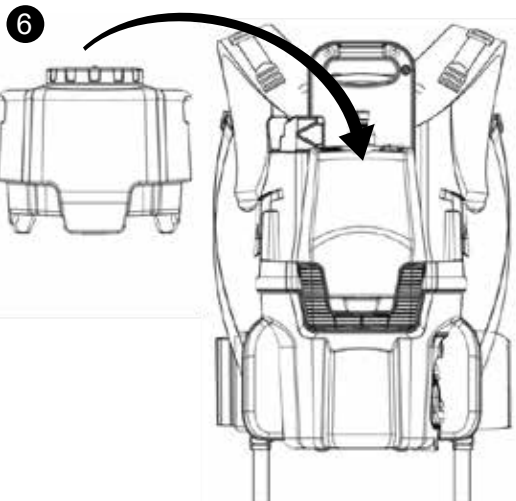
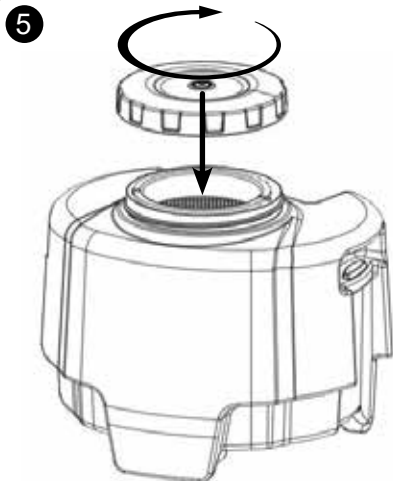
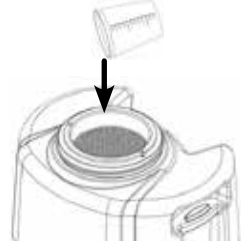
Remove the solution tank to fill with cold water and chemicals, this is to avoid spilling liquid on to the machine.



3 Fill the solution tank with the required amount of COLD water. See dosage table on the previous page.



4 Fill the solution tank with the correct chemical dosage.



Note: Inappropriate selection of disinfectant solution may result in damage to unit including corrosion, pump failure, reduction in mist performance etc. The RSU is fully compatible with disinfection solutions based on Quaternary Ammonium Salts or Hypochlorous Acid using appropriate dilution levels. Use of other chemical / disinfectant solutions may invalidate warranty. Never spray into or towards face.

WARNING IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If medical advice is needed, have product container or label at hand.
Always refer to the MSDS (manufacturer's safety data sheet) for safe usage and disposal.
Only use the chemicals / detergent solution provided. Replacements available from Numatic.

TECcare CONTROL Concentrate.



Hazards Identification

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/eye protection

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P302+352: IF ON SKIN: Wash with plenty of water.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a doctor if you feel unwell.

This chemical should be kept in the packaging/container provided, as other containers might not provide the required protection and preservation of the chemical.

Environmental precautions: Do not discharge in to drains or rivers.



TECcare CONTROL Concentrate Hazardous ingredients:

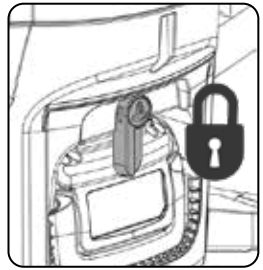
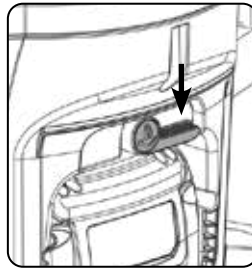
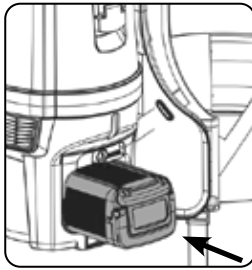
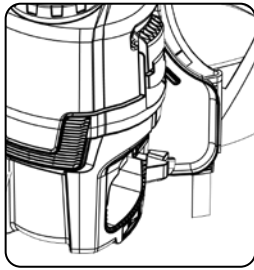
DIDECYLDIMETHYLAMMONIUM CHLORIDE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
230-525-2	7173-51-5	Xn: R22; C: R34	Acute Tox. 4: H302; Skin Corr. 1B: H314 H314	<4.5 %

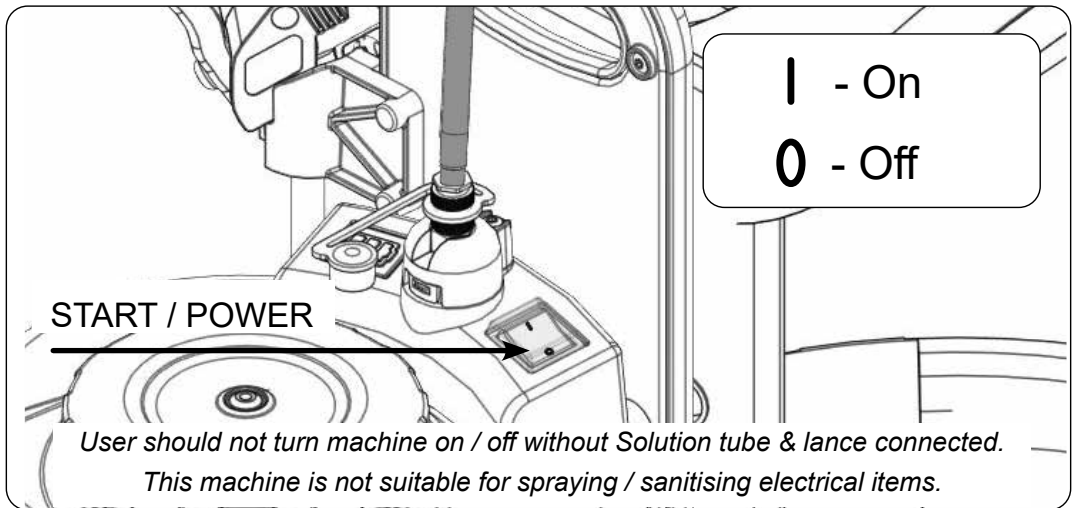
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
270-325-2	68424-85-1	Xn: R21/22; C: R34; N: R50	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	<2.5 %

Assembly - Battery Fitting



Power

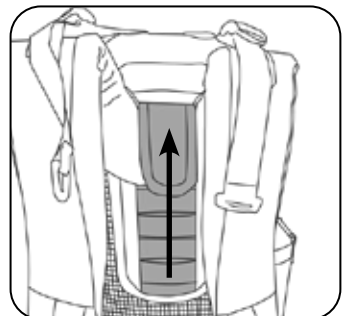
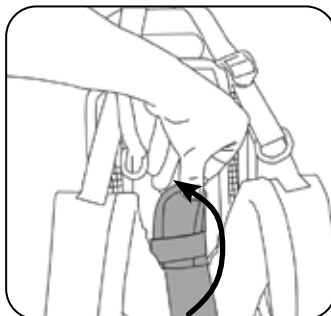


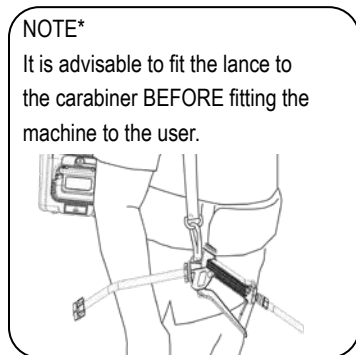
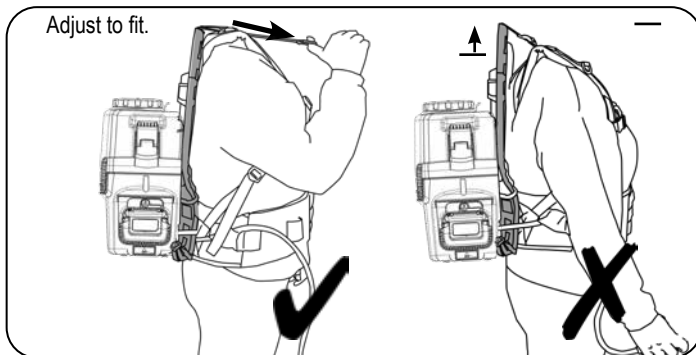
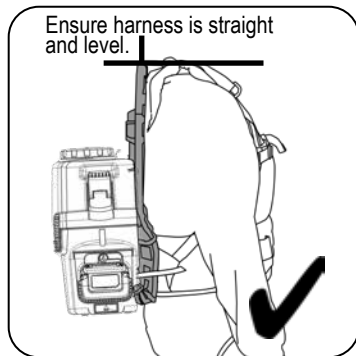
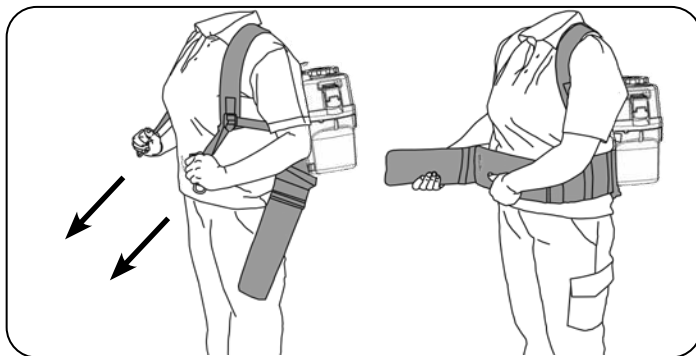
During start up.

If you are using the RSU sanitiser for the first time or after it has been de-pressurised you will need to prime the fluid supply to allow the pump to reach optimal operating pressure. During priming hold the lance in a vertical position to reduce any dripping when the trigger is applied.

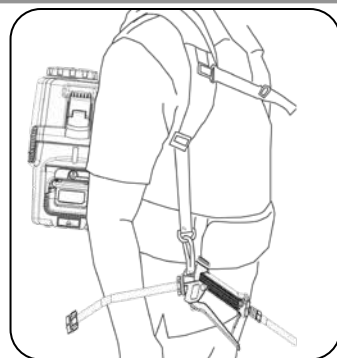
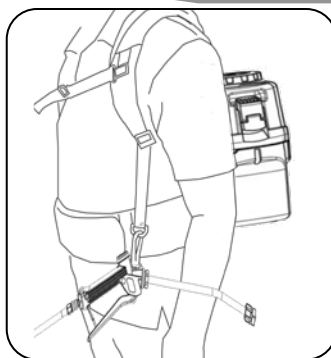
Caution: The initial priming of the machine can take 1 to 2 minutes. Subsequent refilling of the solution tank will not require re-priming unless system has been de-pressurised.

Using the machine

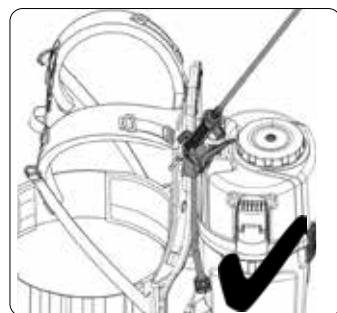
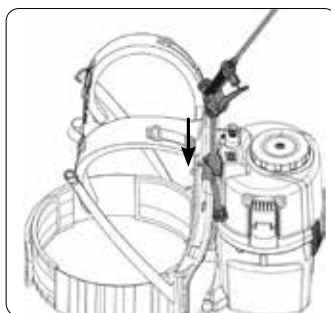




Lance Storage (in use)



Lance Storage

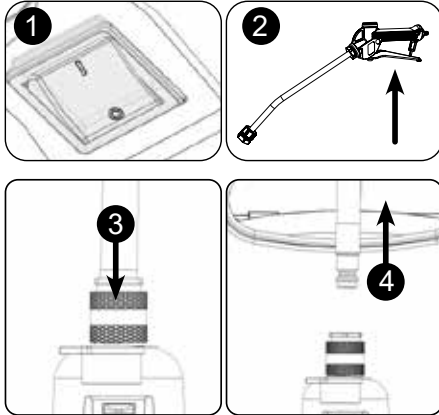


De-pressurising the machine

Important - Always remove the battery from the machine after use.

Removing the lance hose: The system must be de-pressurised before disconnecting the lance hose. This is achieved firstly by turning off the machine via the on / off switch. Depress the lance trigger to discharge any pressurised fluid left in the system. Remove the lance via the quick release connection and then release the lance hose via the quick release connection located at the top of the RSU150 NX.

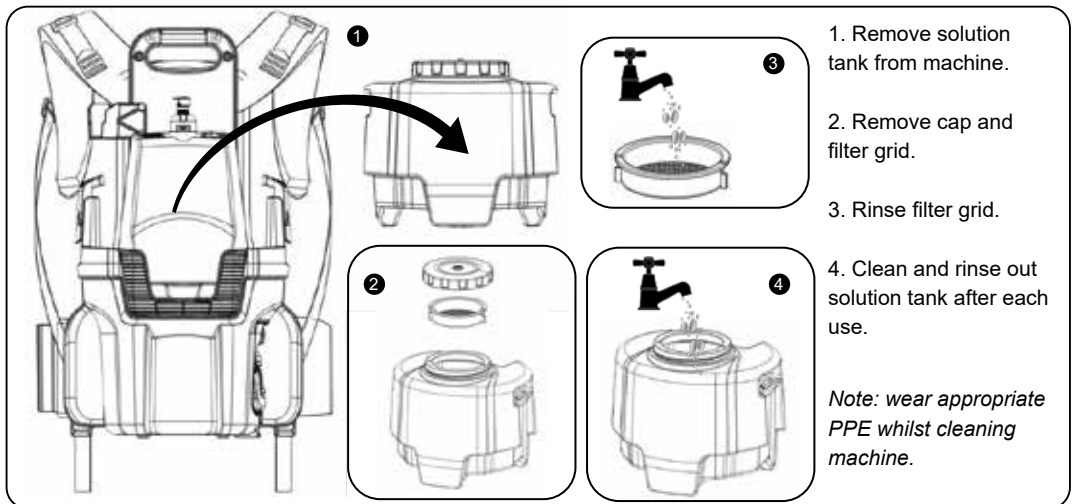
A small amount of cleaning solution may still leak after the hose is disconnected. Always wear eye protection and gloves whilst performing this operation. Failure to adhere to this procedure may result in pressurised fluid being discharged.



The system must be de-pressurised before disconnecting the solution tube.

1. Turn the machine off using the on / off switch.
2. Pull and hold the lance trigger until fluid stops flowing.
3. To release the Lance hose pull the quick release connection in the direction shown.
4. Pull out the Lance hose.

Cleaning the machine



1. Remove solution tank from machine.

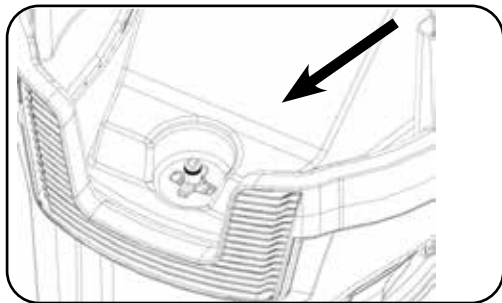
2. Remove cap and filter grid.

3. Rinse filter grid.

4. Clean and rinse out solution tank after each use.

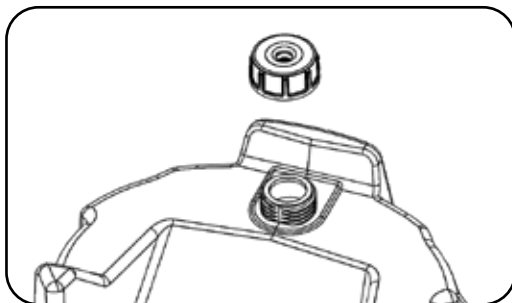
Note: wear appropriate PPE whilst cleaning machine.

Male Tank feed O ring



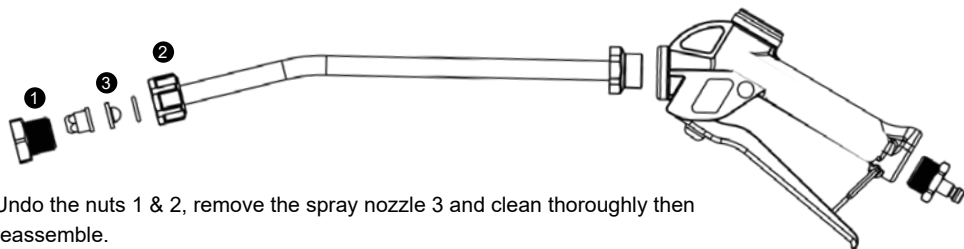
Male tank feed O ring (913005) forms a water tight seal between the tank and the machine and requires replacing if found to be cracked or damaged.

Solution Tank filter



Located in the bottom of the tank you will find a one way filter, this can become clogged with residue and should be cleaned on a frequent basis.

Cleaning Spray Lance



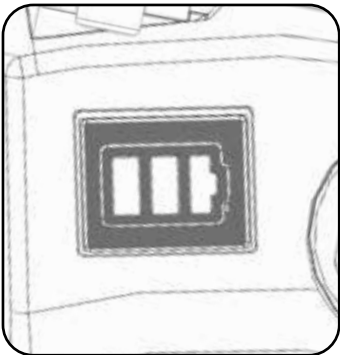
Undo the nuts 1 & 2, remove the spray nozzle 3 and clean thoroughly then reassemble.

Note: If there is constant dripping when spraying tighten both spray nozzle nuts.

Replacement parts

Chemical	
912797	6 x 250ml bottles of Numatic replenishment chemical
912799	6 x 1L bottles of Numatic replenishment chemical
Spares and Accessories	
912984	Lance Kit (with fittings and nozzle)
912985	Pack of Nozzles
913005	Male Tank Feed O-Ring
Battery	
909996	37 V Battery
Fast charger	
911334	Fast battery charger dock (UK)
912365	Mains charge lead (UK)

Charging your battery

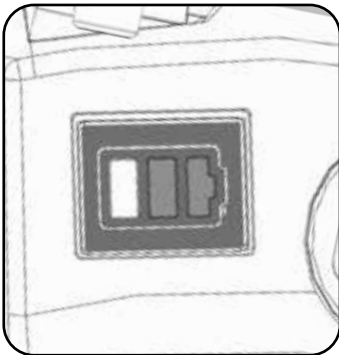


Operating time

*360 mins



*1hr to 80% charge – fast charger
*2hrs to 100% charge – fast charger



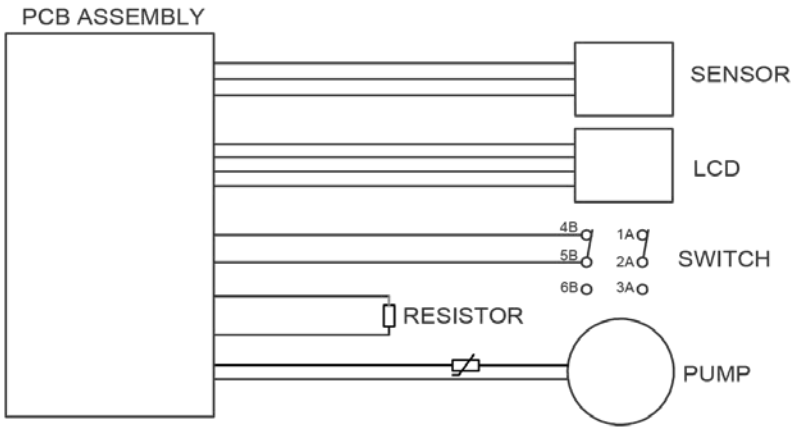
*Run and Recharge times may vary dependent on ambient temperature.

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

Machine data

Model	Hand / Arm Vibration		Weight (Ready to work)	Sound pressure (LpA) Uncertainty (KpA)	Protection class	Dimensions
RSU150 NX	ah ≤ 2,5 m/s ²		13 kg	72 dB (A) 0.5dB	Class III	330mm x 330mm x 570mm
	Fluid Container	Flow Rate	Rated Power	Pressure Rating	Machine Weight	IP Rating
	5 L Max	140ml/min	45W	15bar	8 kg	IPX4

Schematic diagram



Rating Label

1	Company Name & Address	1	Numatic International Ltd. CHARTER HOUSE, TUNBRIDGE
2	Model	2	*****
3	Voltage / Direct Current	3	~V ~Hz
4	Rated Input power	4	***W
5	Weight	5	***kg
6	MAX Pressure	6	5kPa (**bar)
7	Ingress Protection Rating	7	IPX*
8	WEEE Logo	8	
9	Approval Mark	9	
10	Use Lithium-Ion Battery Only	10	Name and address of EU authorities to contact
11	Machine yr/wk Serial Number	11	Use Lithium Ion Battery Only S/N: *****

Trouble shooting:

- Poor flow: check filter in the bottom of the solution tank and clean if dirty.
- Check the filter inside of the lance and clean if dirty.
- Poor spray pattern: check nozzle face for contamination, clean with a wire brush if dirty.
- Constant dripping whilst spraying: check nozzle face for contamination, clean with a wire brush if dirty.

Maintenance:

- Clean solution tank filter.
- Clean nozzle filter.
- Clean nozzle face.
- Check for any worn or damaged parts and replace immediately.

WEEE (Waste, Electrical and Electronic Equipment)

RSU150 NX Accessories and packaging should be sorted for environmentally-friendly recycling.

Only for UK & EU countries.

Do not dispose of RSU150 NX into household waste.

According to the European Directive 2012/19/EU on waste electrical electronic equipment and its incorporation into national law.

RSU150 NX that are no longer suitable for use must be separated, collected and sent for recovery in an environmentally-friendly manner.



PPE (Personal protective equipment) that may be required for certain operations.

Ear Protection	Safety Footwear	Head Protection	Safety Gloves	
Dust / Allergens Protection	Eye Protection	Protective Clothing	Hi-Vis Jacket	Caution Wet Floor Sign

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



ORIGINAL INSTRUCTIONS:- READ MANUAL BEFORE USE.



WARNING

Read the instruction manual before using the machine.

Operators shall be adequately instructed on the use of their machine.

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.

You must remove the battery from the machine BEFORE cleaning or maintenance and when replacing parts or converting the machine to another function.

Maintenance should only be carried out by a qualified person.

Liquid ejected from the machine could be hazardous as a result of its temperature, pressure or chemical content.

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

This appliance is intended to be cleaned and maintained by an adult.

Children being supervised are not to play with the machine.

This machine is not a toy.

Never spray into or towards face.

CAUTION

This machine should be stored indoors only.

This machine is intended for indoor use only.

Release pressure in hose/lance by switching off the machine and activating the lance, before disconnecting any pipe connections.

The initial priming of the machine can take 1 to 2 minutes. Once the machine is primed, subsequent refilling of the solution tank will not require further priming of the machine.

NOTE

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

This product complies with the requirements of clause 20 of IEC/EN 60335-2-68 Stability and Mechanical Hazards. When moving from one place to another, consider the weight of the machine. The weight can be reduced by either emptying or removing the solution tank.

Misuse during operation:

- Always secure the RSU150 NX solution tank via the two toggles located on the side of the machine before moving.
- Never tip the machine over with fluid still in the fluid container.
- Only Numatic approved hoses, lance and nozzles to be used.

DO

- Charge the battery fully after use.
- Keep your machine clean including hoses and tubes.
- Keep filters clean.
- Replace any worn or damaged parts immediately.

DON'T

- Use steam cleaners or pressure washers to clean the machine or use in the rain.
- Immerse in water for cleaning.
- Attempt machine maintenance or cleaning unless battery has been removed from the machine.

Error Indications

Each indication is repeated three times, with a 1s pause between repetitions.

Following this the device will shut down*.

Indication	Error	Action
LED on, pump stops, poor spray pattern	Over pressure	Check nozzle for blockage
3 pulses LED & pump	Prime Failed	Check nozzle for blockage, cycle power to machine
3 pulses LED & pump	Tank Empty Tank Filter Clogged	Fill tank with fluid, cycle power Clean Tank filter
8 Pulses LED Only	Internal wiring or connection issues	Cycle power, if problem persists, return machine to distributor
2 Pulse LED only	Battery Under Voltage	Remove and charge battery
3 Pulses LED only	Battery Over Temperature	Remove battery and let cool
4 Pulses LED only	Battery Over Current	Remove and charge battery, if problem persists, return machine to distributor
5 Pulses LED only	Battery Authentication Failure	Remove and charge battery, if problem persists, return machine to distributor
6 Pulses LED only	PCB Over Temperature	Turn off and let machine cool.
9 Pulses LED Only	Pressure Sensor Failure	Cycle power, if problem persists, return machine to distributor

*with the exception of Battery Under Voltage. In this case the indication will repeat indefinitely.

Lithium-Ion Battery Warranty

- a. Batteries are warranted (3 Years) 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.

Numatic International Warranty

Numatic International Limited warrant to the original purchaser that its products are free of defects in both material or workmanship for the period shown below:-

Homecare and Cleancare Vacuum cleaners.....	2 Years
Rotary Floor Machines.....	2 Years
Twintec Auto Scrubber Dryer.....	1 Year
Vario Ride-On Scrubber Dryer.....	1 Year / 1500 hours
Mopping, Compacts, Combi and Servocare Products.....	1 Year
Individual Accessories and Spare Parts.....	6 Months

Note: This warranty expressly excludes consumable parts such as carbon brushes, floor brushes, mops, batteries etc, that are considered replaceable from time to time during the normal working life of the machine.

Using non Numatic dustbags can be detrimental to both machine performance and life and may invalidate the Warranty.

- A. The warranty period commences from the date the goods are purchased.
- B. All warranty claims must be processed through the Dealer from whom the equipment was purchased. The Dealer will co-operate with the purchaser throughout the warranty claims procedure and will arrange any necessary repairs using genuine Numatic parts.
- C. If the original Dealer is no longer able to fulfil his obligations please contact Numatic International Limited with full details of the claim and proof of purchase so that this may be processed without delay.
- D. Any warranty claim can only relate to the specific part that is proven to be at fault and for which a replacement will be supplied but cannot be extended to constitute a claim against the complete machine.
- E. Numatic International will supply the Dealer with any warranty parts required, subject to the claim being validated, after return of the faulty items in accordance with Numatic International Limited's General Conditions of Sale.
- F. Claims will not be accepted if they are the result of fair wear and tear, misuse or abuse of any kind.
- G. No replacement will be given unless the appropriate evidence of the validity of the claim has been provided to the satisfaction of Numatic International Limited.
- H. Numatic International Limited reserve the right to charge for any unnecessary work carried out as a result of an invalid claim.
- I. No variation to this warranty may be made or implied by any member of Numatic International Limited or its Dealers unless such variation is in writing and authorised by the Company

Numatic

Numatic International Limited. Chard, Somerset, TA20 2GB

Telephone: 01460 68600 Fax: 01460 68458

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UKCA Declaration of Conformity	
Manufacturer:	Numatic International Limited Chard Somerset TA20 2GB www.numatic.co.uk
Product:	RSU
Description:	Battery Powered Sprayer/Sanitiser - Commercial
We, Numatic hereby declare under our sole responsibility, that the above-mentioned product(s) is/are in conformity with the following directives and standards.	
S.I. 2008: 1597	Supply of Machinery Regulations EN60335-1:2012 + AC:2014 + A11:2014 + A13:2017 EN60335-2-68:2012 EN62233:2008
S.I. 2016: 1091	EMC Regulations EN55014-1:2017 + A11:2020 EN55014-2:1997 + A1:2001 + A2:2008
S.I. 2012: 3032	RoHS Regulations

Authorised Signatory: Mr. Matthew Coles
Position: Head of Technology
Numatic International Limited,
Chard,
Somerset. TA20 2GB. UK

Signed: *[Signature]* Date: 5th February 2024

<p>EU, EC, EL, UE, ES: Dedication of Conformity Prohlášení o shodě Conformité de destination Conformitätsklärung Declaração de conformidade Vastavastatustatus Declaration of conformity</p>	<p>DE: Deklaration zur Zustimmung Déclaration de conformité Prohlášení o shodě Conformité de destination Conformitätsklärung Declaração de conformidade Vastavastatustatus Declaration of conformity</p>	<p>FR: Déclaration de conformité Prohlášení o shodě Conformité de destination Conformitätsklärung Declaração de conformidade Vastavastatustatus Declaration of conformity</p>	<p>IT: Dichiarazione di conformità Déclaration de conformité Prohlášení o shodě Conformité de destination Conformitätsklärung Declaração de conformidade Vastavastatustatus Declaration of conformity</p>	<p>PL: Deklaracja zgodności Déclaration de conformité Prohlášení o shodě Conformité de destination Conformitätsklärung Declaração de conformidade Vastavastatustatus Declaration of conformity</p>	<p>PT: N/A, a Numatic, declaramos, sob nossa exclusiva responsabilidade, que o produto acima mencionado está em conformidade com os requisitos estabelecidos no Regulamento (UE) nº 2015/1000, relativo à segurança dos produtos de plástico.</p>	<p>RO: Numatic, declaramos, sub propria răspundere, că produsul mai sus este în conformitate cu cerințele stabilite în Regulamentul (UE) nr. 2015/1000 privind securitatea produselor din plastic.</p>	<p>RU: Мы, Numatic, подтверждаем, что данный товар соответствует, за исключением случаев, предусмотренных в законе, требованиям, установленным в Регламенте ЕС № 2015/1000, касающемся безопасности изделий из пластика.</p>	<p>SV: Numatic förklarar härmed under eget ansvar att ovan nämnda produkt är i överensstämmelse med följande direktiv och standarder.</p>	<p>SL: Mi, Numatic, izjavljamo s področja odgovornosti, da je zgoraj omenjeni izdelek v skladu z našimi direktivi in standardi.</p>	<p>FI: Numatic vakuuillaan täten oman vastuuskannalla, että yllämainittu tuote on täsmälleen vastaava seuraavien direktiivien ja standardien mukaisesti.</p>
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2006/42/EC

2006/42/EC	Machinery Directive	EN60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A15:2021 EN60335-2-68:2012 EN62232:2008 EN62232:2017 EN5014-2:1997 + A12:2001 + A2:2008
2014/30/EU	EMC Directive	EN5014-2:1997 + A11:2010
2011/65/EU	RoHS Directive	

Authorised Signatory: Mr. Matthew Coles

Position: Head of Technology

Signed: *M. Cohen*

e: 5th February 2024

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