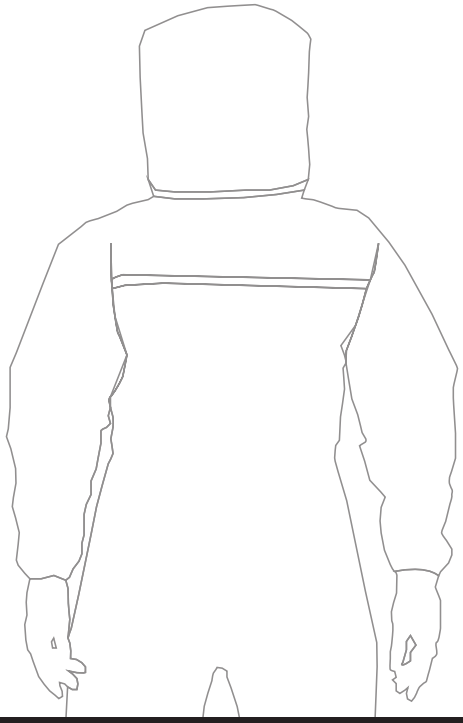
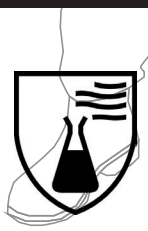
RESPIREX™



Respirex™ RJS Respiratory and Chemical Protective Suits



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EN14605:2005+A1:2009
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EN13034:2005+A1:2009

Type 3-B
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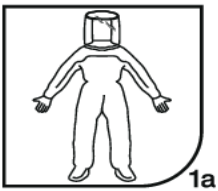
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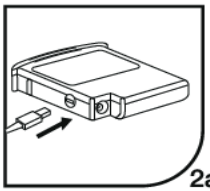
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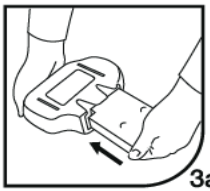
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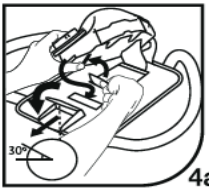
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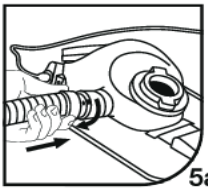
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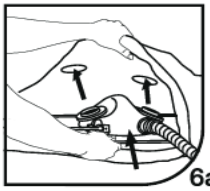
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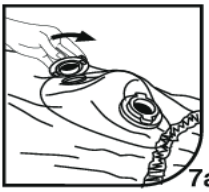
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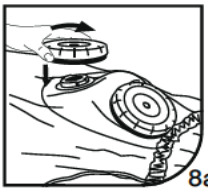
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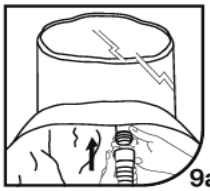
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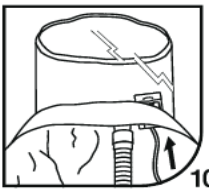
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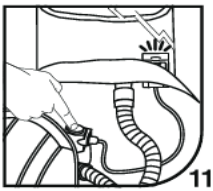
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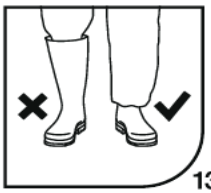
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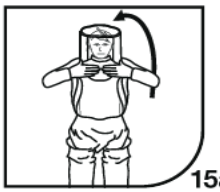
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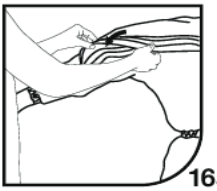
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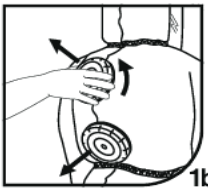
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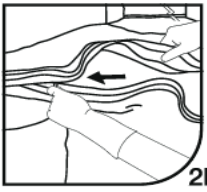
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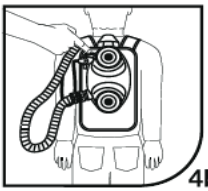
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APPROVALS

These products meet the requirements of the European PPE Regulation (EU) 2016/425 and are thus CE marked. Certification under Module B, EU Type-Examination and Module D, EC Quality Control, has been issued by BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, UK (Notified Body number 0086).

The Respirex™ RJS suit meets the requirements of the European Standards EN ISO 13982-1 (Protective Clothing Against Airborne Solid Particulates, Type 5), EN14605 and EN13034 (Protective Clothing Against Liquid Chemicals, Type 3,Type 4 and Type 6), and EN14126 (Protective Clothing Against Infective Agents).

The 3M™ Jupiter™ Air Filter Unit (JP-ER-03), when used in conjunction with the Respirex™ RJS suit, meets the requirements of European Standard EN12941 TH3 (Respiratory Protective Devices - Powered Filtering Devices).

The 3M™ Jupiter™ Air Filter Unit (JP-ER-03) complies with European EMC directive 2004/108/EC. See

www.3m.com/Respiratory/certs

Respirex™ RJS protective suits should be used to protect the wearer against solid airborne particulates and liquid splashes and sprays only.

⚠ **Particular attention should be given to warning statements where indicated.**

⚠ WARNINGS AND LIMITATIONS

Proper selection, training, use and appropriate maintenance are essential in order for the product to protect the wearer from certain airborne contaminants. A buddy system (two person operation) must be employed during donning, doffing and in use.

Failure to follow all instructions on the use of this product and/or failure to wear the respirator system during all times of exposure may adversely affect the wearer's health, may lead to severe illness or permanent disability or even death.

Failure to follow all instructions may also render any warranty null and void.

Use this respirator system, 3M™ Jupiter™ Air Filter Unit (JP-ER-03) and Respirex™ RJS protective suit, strictly in accordance with all instructions:

- contained in this booklet
- accompanying other components of the system (e.g. Filter User Instructions)

Check the product is undamaged before use.

Always be sure that the complete product is:

- Suitable for the application;
- Fitted correctly;
- Worn during all periods of exposure;
- Replaced when necessary.

Never alter, modify or repair this device.

Flammable material, keep away from fire.

At very high work rates, the pressure in the headtop may become negative at peak inhalation flow.

Do not use for respiratory protection against unknown atmospheric contaminants or when concentrations of contaminants are unknown or immediately dangerous to life or health (IDLH).

Do not use in atmospheres containing less than 19.5% oxygen. (Respirex definition. Individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt).

Leave the contaminated area and remove the suit immediately if:

a). Any part of the system becomes damaged.

b). Airflow into the headtop decreases or stops.

c). Breathing becomes difficult.

d). Dizziness or other stress occurs.

e). You smell or taste contaminants or irritation occurs.

f). If excessive fogging or misting of the visor is noticed.

g). If the alarm sounds.

Use in the 'power-off' state is not normal. Little or no protection is provided and a build up of carbon dioxide and depletion of oxygen within the suit may occur.

Replace parts only with original Respirex™ or 3M™ spare parts.

Only to be used with batteries and filters specified in this user instruction.

Do not use in explosive atmospheres.

Safe Use of Battery Chargers

To reduce exposure to hazardous voltage:

Do not use the chargers outdoors or in wet environments.

Do not attempt to service the chargers. There are no user-servicable parts inside.

Inspect the chargers and power cords before use. Replace if any parts are damaged.

Do not substitute, modify or add parts to the chargers.

Only charge 3M™ rechargeable batteries with the CHG-02 and CHG-04 chargers. Do not attempt to recharge the single use battery (BAT-22).

Safe Use of Rechargeable NiMH Batteries

To reduce risk of fire and explosion associated with the NiMH batteries:

- Do not short circuit the battery. Discharge only by running in the Air Filter Unit.

Safe Use of Non-Rechargeable Lithium Battery BAT-22

Lithium cells are very high-energy systems and as such must be treated with care. The following safety considerations should be observed:

- Battery packs should not be exposed to temperatures in excess of 70°C (158°F).
- Particular care should be taken that battery packs are not overloaded or shorted.
- Do not attempt to discharge battery packs in any system other than 3M™ Jupiter™ Air Filter Unit (JP-ER-03).
- Do not force discharge battery packs as this may result in overheating, venting and release of materials.
- Never attempt to charge a BAT-22 Lithium battery pack. In the event that a battery is accidentally charged it may overheat, vent or explode.
- Do not open, puncture, drop, deform, crush or tamper with battery packs as this could result in the release of materials. In the event that a battery is accidentally ruptured, for whatever reason, please contact the Respirex customer services department.
- Never use Lithium batteries in a completely sealed pressure container.
- In the event that a battery pack is short circuited accidentally or starts to heat up for no apparent reason then, where possible, it should be disconnected immediately and removed to a well ventilated or outdoor area and allowed to cool. Where it is not possible or practical to disconnect the battery pack, clear the area until such time as any activity has subsided. Once stabilized to a safe condition the battery pack may be disposed of. For any further advice please contact the Respirex customer services department.
- Suitable protective clothing should be worn when handling suspect battery packs.

IMPORTANT NOTICE:

Biological Agents and Hazards In the interests of clarity in the WARNINGS above, the term contaminant is deemed to include biological agents and hazards, subject to the following statement:

There are currently no safe exposure limits established for biological agents, therefore, while this respirator system will help reduce exposure it cannot be guaranteed to eliminate exposure or the risk of contracting illness, disease or infection.

SAFE USE OF COMMUNICATION RADIOS AND OTHER RADIO FREQUENCY TRANSMITTING DEVICES: If a communications radio, or other device that exhibits radio frequency interference is to be used with this system, please contact Respirex customer services department for advice.

Make sure the correct size suit is selected for each wearer. A suit of the incorrect size could lead to a reduction in protection level, and place unacceptable strain on the suit material.

Care must be taken not to over tighten the backpack straps.

Beware of electrical hazards in your immediate vicinity.

CAUTION In hot conditions, consult local operating procedures to define “use time” guidelines to avoid heat stress of the user. Regular rest periods and use of absorbent undergarments may reduce heat stress.

The 3M™ Jupiter™ JP-ER-03 is approved for use only with the Respirex™ RJS range of suits. Respirex™ RJS protective suits are approved for use only with the 3M™ Jupiter™ JP-ER-03. No other combination of protective suit and Air Filter Unit are approved or permitted.

If a helmet is to be worn when using RJS suits, please contact Respirex customer services department for advice.

To reduce the risk of injury due to impaired vision, if chemicals or other contaminants splash on the visor, wipe off immediately. If the visor is damaged, or vision obscured in any way, exit the contaminated area and doff the apparatus following the user instruction.

The visor does not offer the same level of chemical protection as the suit material.

The attached laminate gloves offer a high level of chemical protection, refer to Technical Specification for further information on permeation resistance of gloves.

Owing to the non-breathable nature of the laminate gloves attached to the suit it is not uncommon for the wearer's hands to moisten due to sweating. For this reason it is recommended that cotton gloves are worn to absorb sweat and to assist with the donning and doffing procedure.

If extra protection against mechanical risks, e.g. cuts, is required for the hand/wrist area, please don an additional pair of appropriate safety gloves over the attached laminate gloves.

The breathing hose in this product is located on the inside of the suit. The clauses in EN12941, clause 6.10.3 and 6.10.4 have therefore not been tested for this product.

NOTES REGARDING ALLERGIC REACTIONS

Materials which may come into contact with the wearer's skin are not known to cause allergic reactions to the majority of individuals.

These products do not contain components made from natural rubber latex.

At very high work rates, the pressure in the headtop may become negative at peak inhalation flow.

EQUIPMENT MARKING

The Respirex™ RJS suit is marked with the CE mark and is marked EN12941, EN ISO 13982-1, EN14605, EN13034 and EN14126.

The Respirex™ RJS suit is marked with a date of manufacture and product identification code.

The 3M™ Jupiter™ Air Filter unit is marked with the CE mark and is marked EN12941. (Orange label)

The 3M™ Jupiter™ Air Filter unit is marked with a date of manufacture and serial number.

The Battery Packs are marked with the CE mark and EN 12941.

For filter marking please see 3M™ Jupiter™ filter user instructions.

OPERATING CONDITIONS

The 3M™ Jupiter™ Air Filter unit must only be used with the Respirex™ RJS suit, and within the Operating Conditions: -5°C to +50 °C when using a rechargable battery, or -10°C to +50°C when using a single use battery; <90% humidity and <4500mASL (Above Sea Level).

PREPARATION FOR USE

Inspection

Check apparatus is complete, undamaged and correctly assembled. Any damaged or defective parts must be replaced with original Respirex™ or 3M™ spare parts before use.

1). Undertake pre-use checks on suit assembly as outlined in the **appropriate user instruction** (Figure 1A).

2). Select an approved battery and charger. (Figure 2A).

3). Fit battery. (Figure 3A). ⚠ Do not recharge single use batteries. The reusable batteries should be charged prior to first use or if unused for more than 5 days. Note: The battery must be charged in a safe area. Replace rechargeable batteries after 500 charges.

4). Fit the backpack to the Air Filter Unit. (Figure 4A). Ensure that the Air Filter Unit is positioned so that the air outlet is towards the bottom. Check that it is firmly held in place by the attached fastening. If necessary, adjust backpack straps for a comfortable fit.

5). Use the connection device and attach the breathing tube to the corresponding connector on the Air Filter Unit. Line up the connectors on the breathing tube, slide into the breathing tube port on the Air Filter Unit, and twist clockwise to lock into place. Figure (5A). Pull gently on the breathing tube to check a secure connection has been achieved.

DONNING

6). Open the zip flap by either undoing the re-sealable Velcro fastener, or simply lift the flap and undo the zip. Put the Air Filter Unit and backpack into the suit, lining up the filter ports on the Air Filter Unit with the holes on the back of the suit (Figure 6A).

7). Attach the filter adaptors to the outside of the suit. Take care not to tear the suit. The suit is now clamped between the Air Filter Unit body and the filter adaptors (Figure 7A). There should be no gap around the filter adaptor. If there is a gap, DO NOT DON THE SUIT- Reposition or obtain a new RJS suit.

8). Select approved filters. Fit the filters (Figure 8A). Screw the filters into the filter adaptors. Check that the filters are adequately tightened. Ensure that a pair of identical filters are fitted. Filter lids should be in place when the filter is used. ⚠ Incorrect fitting of the filters will result in severely reduced product performance. Do not attempt to attach the filters directly to the suit. They should be attached to the Air Filter Unit, using the filter adaptors as described in the donning section.

Use the connection device and attach the breathing tube to the corresponding connector in the neck seal. Slide the female end of the breathing tube over the neck seal breathing tube port, until you hear a “click” (Figure 9A). Pull gently on the breathing tube to check a secure connection has been achieved. ⚠ If the breathing tube is not firmly attached, DO NOT DON THE SUIT. Check components and replace if necessary. ⚠ Take care to ensure the breathing tube is not twisted.

9). Push the Heads Up Display through the hole in the neck seal, so that the lights are visible to the wearer (Figure 10A). ⚠ To reduce the risk of asphyxiation and suffocation, do not use the system if the Heads Up Display is not operational or it is not visible.

10). Turn on the Air Filter Unit, using the on/off button position on the Air Filter Unit body (Figure 11A). The Air Filter Unit will make a brief sound, and the lights on the Heads Up Display will cycle for a few moments, then show a green light. If a green light is not achieved, the battery may be flat or the particulate filter may be clogged. To check that the warning device is operational, block the breathing tube outlet by putting your hand into the headspace and covering the open end of the tube with a flat hand. Ensure that after a short time the buzzer begins to beep and the red light begins to flash. Remove hand from the outlet. The red light will go out, all three lights cycle for a short time then the green light will remain illuminated. ⚠ Do not don the RJS suit until a green light is achieved.

11). Remove shoes, the integrated sock bootees are not designed to accommodate footwear. Sit down and put feet in the suit and pull up to waist level (Figure 12A), fold the gaiters (splash guards) upwards. Don suitable safety boots for the work environment. It is strongly recommended that you wear a larger size of boot than normal (ideally at least one size bigger), not only to accommodate the surplus fabric of the integral sock bootee, but also to ease in the donning process. Carefully fold down the gaiters of the suit over the exterior of the safety boots (Figure 13A), channelling any contamination away from the wearer. Once folded down it is important to ensure that the seam where the gaiter joins the suit is flat and does not form a ‘channel’ where liquid could collect. Liquid will not be able to enter the boots once the gaiters are fully folded down.

12). Put on back pack and position the breathing tube so that it travels up the front of the body, under the shoulder up to the headspace, along with the heads-up display (Figure 14A).

13). Don the suit arms and put head through the neck seal. Push arms into the sleeves, and put hands into the gloves. Push head through the knitted neck seal, so headspace is positioned over the head (Figure 15A). Reposition to minimise wrinkles in the visor. A flow of air should be felt on the face. Position neck seal so that the air flows to a convenient place in front of the mouth. Avoid directing the flow of air towards the eyes to prevent eye dryness.

14). Do up zip. ⚠ Ensure that the zip is securely fastened. Seal the resealable Velcro fastener, ensuring a firm, secure seal, without gaps. ⚠ To maintain protection it is important to keep the suit zip and zip flap closed at all times.

15). The gloves attached to the RJS suit offer chemical protection against a range of common chemicals. Please contact Respirex customer services for advice. The attached “integrated sock bootees” on the RJS suit are designed to provide chemical protection to the foot area. Additional mechanical protection for the feet is required.

16). Before entering the work zone, recheck that the Heads Up Display is visible to the wearer. Workplace operating procedures should recommend rechecking the display at regular intervals.

Decontamination Procedure

Refer to local operating procedures. ⚠ Take extreme care not to transfer any contamination from the exterior of the system on to the body. Preliminary showering at 30°C will remove most of the contaminant from the outer surface of the RJS Suit. Do not remove the filter until after showering.

Do not allow water/contaminants to run into the Air Filtering Unit.

DOFFING

⚠ Do not remove the suit, open the flap or zip, remove the filters or turn off the Air Filter Unit until you have vacated the contaminated area. ⚠ Doff using a buddy system, where a "buddy" wearing suitable PPE, assists in the doffing of the system.

The buddy will handle all potentially contaminated parts of the system. Wearer should only touch uncontaminated areas of the system.

1). Buddy removes filters and outer orange adapters (Figure 1B).

2). Buddy releases the re-sealable Velcro fastener on the storm flap and undoes the zip (Figure 2B).

3). Grasp the glove of one arm, with the other gloved hand and pull arm free. Retract the other arm from the other suit sleeve. Remove the hood by lifting it clear of the head using the hose coupling (Figure 3B).

4). Release the tube coupling and tuck it under the back pack straps.

CAUTION Avoid tripping over the half doffed suit. The suit should slip to the floor. It may be necessary to push the suit off the feet. Step out of the suit. The wearer is left with only the uncontaminated elements of the system.

5). Turn off the 3M™ Jupiter™ Air Filter Unit by pressing the on/off button and releasing it on hearing the beep. Note that to avoid accidental shut down, the on/off button should be held down for at least 1 second to turn the Air Filter Unit off (Figure 4B).

6). The filters can be only be reused if the service life of the filters has not been exceeded. Refer to filter user instruction. The filter retainers can reused. If either part is to be reused, decontaminate before reuse.

FILTER AND CARTRIDGES

Powered Air Purifying Respirators are designed to remove potentially harmful gases, vapours and/or particulates from the surrounding atmosphere by means of filtration of the air. Make sure that the filter and cartridge is suitable for the application. Use filters strictly in accordance with all instructions contained in this leaflet and the relevant filter user instructions. Filters need to be regularly changed. The frequency of change depends on usage time and the concentration of contaminant. The user should not confuse the markings on a filter relating to any standard other than EN12941 with the classification of this device when used with this filter.

INDICATOR LIGHTS AND WARNINGS

• During normal operation the green light will remain illuminated.

• In an alarm condition the red light will flash and the buzzer will beep. This indicates either low airflow or a low battery.

• After one hour the amber LED will illuminate and the buzzer will sound for 10 seconds, followed by one simultaneous LED flash and "beep", to indicate that the Air Filter Unit has been in use for 1 hour. After two hours, the amber LED will illuminate, and the buzzer will again sound, followed by 2 simultaneous flashes and beeps. This sequence will repeat each hour the Air Filter Unit is in use, with the number of alarm beeps increasing, to indicate the number of hours of Air Filter Unit use. ⚠ If the red light flashes or the alarm continues to sound immediately exit the contaminated area, then open the suit zip as soon as possible.

NOTE: The 'in-use' life of the product will vary with frequency and conditions of use. The timer indicates the duration of use and does not indicate the condition of the device.

CLEANING INSTRUCTIONS

⚠ **CAUTION** RJS protective suits are not designed to be reused, and should be disposed after exposure to hazardous conditions.

Use a clean cloth dampened with a mild solution of water and liquid household soap to clean the 3M™ Jupiter™ Air Filter Unit (JP-ER-03), filters, filter retainers and backpack.

⚠ Do not submerge the filters in liquid. ⚠ Do not use petrol, chlorinated degreasing fluids (such as trichloroethylene), organic solvents or abrasive cleaning agents to clean any part of the equipment. To disinfect use wipes as detailed in Reference Leaflet. Do not autoclave. Do not clean the chargers with solvents that can damage plastic parts.

DISPOSAL

CAUTION DO NOT DISPOSE OF NiMH OR LITHIUM BATTERIES IN A FIRE OR SEND FOR INCINERATION. Battery packs should be treated as special waste and in accordance with your local environmental regulations. The Respirex™ range of RJS Suits are designed for single exposure only and should not be reused after exposure to hazardous environments.

Contaminated products should be disposed as hazardous waste in accordance with local health and safety and environmental regulations.

SPARE PARTS AND ACCESSORIES

Refer to spares and accessories on page.

MAINTENANCE

Maintenance, servicing and repair must only be carried out by properly trained personnel.

Use of unapproved parts or unauthorised modification could result in danger to life or health and can invalidate any warranty.

STORAGE AND TRANSPORTATION

These products should be stored in the packaging provided in dry, clean conditions away from direct sunlight, sources of high temperature, petrol and solvent vapours. Before initial use, always check that the product is within the stated shelf life (use by date).

Do not store the RJS Suits, the Air Filter Unit (JP-ER-03) or the rechargeable batteries outside the temperature range -10°C to +25°C or with the humidity above 90%.

Do not store the breathing tube (008-00-42P) outside the temperature range -20°C to +50°C or with humidity above 90%.

Do not store the single use battery outside the temperature range -10°C to +40°C or with humidity above 90%.

Please see appropriate filter user instructions for storage guide.

When stored as stated, the expected shelf life of the Protective Suits is 3 years from the date of manufacture.

When stored as stated, the expected shelf life of the Air Filter Unit (JP-ER-03) is 5 years from date of manufacture.

BAT-22- When stored as stated, the expected shelf life of the battery is 10 years from date of manufacture.

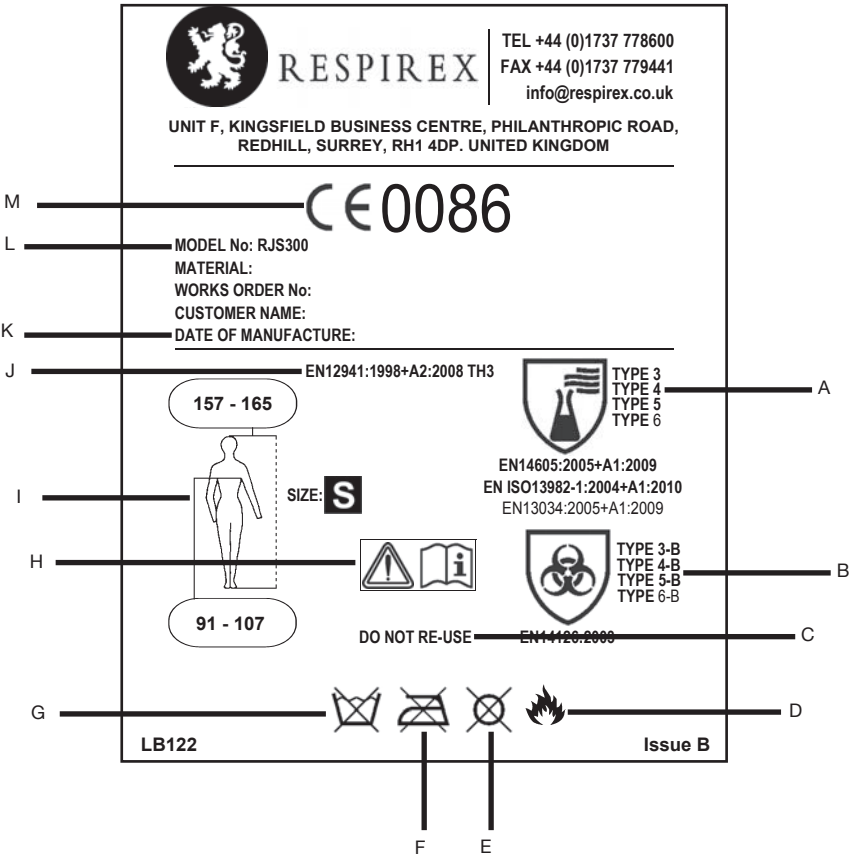
007-00-63P/007-00-64P- When stored as stated, the expected shelf life of the battery is 5 years from date of manufacture.

CAUTION If the system is to be stored with the Air Filter Unit fitted to the RJS suit, hang the system using the hanging tab on the backpack.

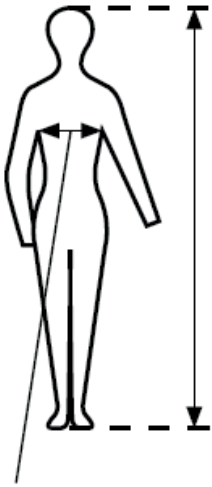
When transporting this product use original packaging. The original packaging is suitable for transporting the product throughout the European Union.

KEY TO PRODUCT LABELLING

A	Demonstrates compliance with CEN standard from chemically protective clothing
B	Indicates protection against biohazards (see technical specification)
C	Do not reuse
D	Inflammable
E	Do not dry clean
F	Do not iron
G	Do not wash
H	Indicates that the user should read all the relevant user information
I	Indication of the size of suit (see technical specification)
J	Full body protection level demonstrated by the RJS suit (see technical specification)
K	Date of manufacture
L	Model Identification
M	CE mark



Select appropriate size garment to allow sufficient movement for the task.



Label	Size	Height (cm)	Chest (cm)
XS	Extra Small	150 - 157	74 - 91
S	Small	157 - 165	91 - 107
M	Medium	165 - 173	107 - 116
L	Large	173 - 180	116 - 122
XL	Extra Large	180 - 188	122 - 127
XXL	Extra, Extra Large	188 - 196	127 - 132

TECHNICAL SPECIFICATION

Respiratory Protection

EN12941 TH3

Nominal Protection Factor = 500 Assigned Protection Factor = 40

Additional testing, to EN 1073-1:1998 demonstrated that a Total Inward Leakage (Respiratory Zone) of 0.002% was achieved, relating to a Nominal respiratory protection factor of 50000 for all suits.

Inward leakage of whole suit design meets the requirement of the suit Type 5 Test, with Ljmn 82/90 ≤30% and Ls, 8/10 ≤15%.

Outlet Flow Characteristics

Manufacturers Minimum Design Flow (MMDF) 150 l/min

Manufacturers Maximum flow 230 l/min.

If this flow rate is not achieved, a green light will not be achieved.

Battery Packs

Battery BAT-22 Lithium, single use ~ 4 hours

Battery 007-00-63P Nickel metal hydride, rechargeable ~ 4 hours

Battery 007-00-64P Nickel metal hydride, rechargeable ~ 8 hours

EN12941:1998 TH3

Respirex™ RJS Suits meet the requirements of the following Protective Clothing standards:

General Requirements

		Test Result	
		RJS 300	RJS 400
General Requirement	EN340:2003	✓	✓
Protective performance against liquid chemicals (liquid-tight Type 3)	EN14605:2005+A1:2009	complies	complies
Protective performance against liquid chemicals (spray-tight Type 4)	EN14605:2005+A1:2009	complies	complies
Protective performance against airborne solid particulates (Type 5)	EN ISO13982-1:2004+A1:2010	complies	complies
Protective performance against liquid chemicals (limited spray Type 6)	EN13034:2005+A1:2009	complies	not tested
Respiratory protective devices-Powered filtering devices incorporating a helmet or hood. Requirements, testing, marking	EN12941:1998	TH3	TH3

Minimum CLASS as per EN14325:2004		Class	
		RJS 300	RJS 400
Abrasion resistance	EN530:1994 method 2	6/6	6/6
Flex cracking resistance	EN ISO7854:1997 method B	1/6*	1/6
Trapezoidal tear resistance	EN ISO 9073-4:1997	4/6	4/6
Tensile strength	EN ISO13934-1:1999	3/6	4/6
Puncture resistance	EN863:1996	2/6	2/6
Seam strength	EN ISO13935-2:1999	**	**

*based on visual assessment

**All results are due to fabric tear at the jaws therefore performance classification cannot be determined; see section 9.4 EN ISO 13935-2:1999. This indicates that the fabric strength is weaker than the seam strength.

Minimum CLASS as per EN14126:2003		Class	
		RJS 300	RJS 400
Synthetic blood penetration resistance	ISO 16603:2004	✓	✓
Blood-borne pathogen penetration resistance	ISO 16604:2004	6/6	6/6
Contaminated solid particle penetration resistance	EN ISO 22612:2005	3/3	3/3
Contaminated liquid aerosol penetration resistance	ISO/DIS 22611:2003	3/3	3/3
Wet bacteria penetration resistance	EN ISO22610:2006	6/6	6/6

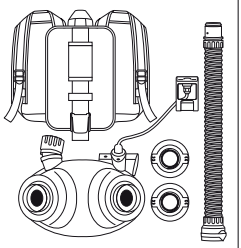
Chemical Tested to EN ISO 6529:2001	Class	
	RJS 300	RJS 400
Chemical permeation resistance Sulpuric Acid 95-98% CAS No. 7664-93-9	6/6	6/6
Chemical permeation resistance Sodium Hydroxide 40% CAS No.1310-73-2	6/6	6/6
Chemical permeation resistance Methanol 99.9% CAS No.67-56-1	6/6	6/6

Chemical Tested to EN ISO 6530:2005	Repellency index	Class	
		RJS 300	RJS 400
Repellency to liquid chemicals Sulphuric acid 30% CAS No. 7664-93-9	> 95%	3 of 3	3 of 3
Repellency to liquid chemicals Sodium Hydroxide 10% CAS No.1310-73-2	> 95%	3 of 3	3 of 3
Repellency to liquid chemicals o-Xylene 99.9% CAS No.1330-20-7	> 90%	2 of 3	2 of 3
Repellency to liquid chemicals Butan-1-ol 99.9% CAS No.71-36-3	> 90%	2 of 3	2 of 3

Chemical Tested to EN ISO 6530:2005	Penetration index	Class	
		RJS 300	RJS 400
Resistance to penetration by liquid chemicals Sulphuric acid 30% CAS No. 7664-93-9	< 1%	3 of 3	3 of 3
Resistance to penetration by liquid chemicals Sodium Hydroxide 10% CAS No.1310-73-2	< 1%	3 of 3	3 of 3
Resistance to penetration by liquid chemicals o-Xylene 99.9% CAS No.1330-20-7	< 1%	3 of 3	3 of 3
Resistance to penetration by liquid chemicals Butan-1-ol 99.9% CAS No.71-36-3	< 1%	3 of 3	3 of 3

SPARES & ACCESSORIES

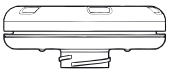
1 JP-ER-03



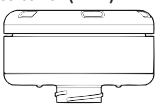
2 BT-20L

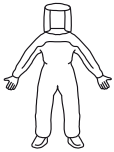
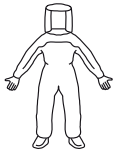
3 JFR-85-CE (A2B2E2K2PSL R)

4 450-00-25P (P R)



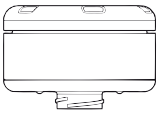
5 453-00-25P (A2P R)



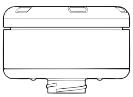
	RJS-300 XS, S, M, L, XL, XXL	RJS-400 XS, S, M, L, XL, XXL
		

	RJS-300	RJS-400
CE EN12491	✔	✔
TH3	✔	✔
EN 14605 Type 3	✔	✔
EN 14605 Type 4	✔	✔
EN ISO 13982-1 Type 5	✔	✔
EN 13034 Type 6	✔	✔
EN 14126 Type 3-B	✔	✔
EN 14126 Type 4-B	✔	✔
EN 14126 Type 5-B	✔	✔
EN 14126 Type 6-B	✔	✔
1 JP-ER-03	●	●
2 BT-20L	❍	❍
3 JFR-85-CE(A2B2E2K2PSL R)	❍	❍
4 450-00-25P (P R)	❍	❍
5 453-00-25P (A2P R)	❍	❍
6 456-18-25P (ABEP R)	❍	❍
7 453-09-25P (A2B1E1K1P R)	❍	❍
8 CHG-02	❍	❍
9 CHG-04	❍	❍
10 BAT-22	❍	❍
11 007-00-63P	❍	❍
12 007-00-64P	❍	❍
13 BPK-01	❍	❍
14 008-02-43P6 X2	❍	❍

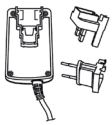
6 456-18-25P (ABEP R)



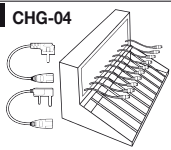
7 453-09-25P (A2B1E1K1P R)



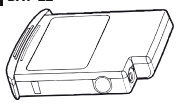
8 CHG-02



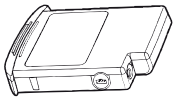
9 CHG-04



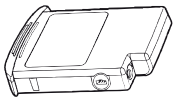
10 BAT-22



11 007-00-63P



12 007-00-64P



13 BPK-01

14 008-02-43P6 X2

✔ = Approved ✘ = Not Approved ● = Standard ❍ = Optional

EU DECLARATION OF CONFORMITY

RESPIREX INTERNATIONAL LTD
Unit F Kingsfield Business Centre,
Philanthropic Road,
Redhill,
Surrey RH1 4DP
United Kingdom

Declares that the PPE described hereafter:

Respirex (logo) RJS Chemical and Respiratory

- meets the minimum requirements specified by product standards;

EN 12941:1998+A2:2008	*Respiratory protective devices – Powered filtering devices incorporating a helmet or hood, class TH3*
EN 13982-1:2004+A1:2010	*Type 5 (Full body chemical protective clothing providing protection against airborne solid particulates)*
EN 14605:2005+A1:2009	*Type 3 & Type 4 (Full body protective clothing providing protection against liquid chemicals with liquid tight and spray tight connections)*
EN 13034:2005+A1:2009	*Type 6 (Full body chemical protective clothing offering limited protection against liquid chemicals)*
EN 14126:2003	*Type 3-B, Type 4-B, Type 5-B & Type 6-B (Full body protective clothing against infective agents)*

- is identical to the PPE which is subject of EU Module B type-examination certificate CE 703142 and subject to the procedure set out in Module D of the European PPE Regulation (EU) 2016/425 under the supervision of the notified body: BSI, Davy Avenue, Knowhill, Milton Keynes, MK5 8PP, United Kingdom, EC Notified Body No 0086.

These garments are described in the manufacturer's technical file TF094, Issue B.

Done at: RESPIREX, Redhill, Surrey, on 7th November 2018

Signed:.....
Mark Bellas Simpson (Managing Director)

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Email: info@respirex.co.uk
Web: http://www.respirexinternational.com/en/

Registered in England No. 592506 VAT No. GB 115 0754 43
Directors: M. Bellas Simpson A.C.A. D.G. Mackie P.J. Wilson

EU DECLARATION OF CONFORMITY

This Declaration of Conformity, issued under the sole responsibility of the manufacturer

3M United Kingdom PLC of 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT, UK

hereby declaring the following Personal Protective Equipment (PPE)

Product Model: 3M Jupiter JP-ER-03 Air Filter Unit

is/are in conformity with the provisions of the following European Regulations and/or Directives

EMC (Electromagnetic compatibility) Directive

The 3M Jupiter JP-ER-03 Air Filter Unit is/are in conformity with the provisions of EMC Directive 2014/30/EU and with the National Standard transposing the harmonised European Standard Number(s):

EN 55011:2007 – Industrial, scientific and medical radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement

EN 61000-4-2:1995 – Electrostatic discharge immunity test

EN 61000-4-3:2002 – Radiated, radio-frequency, electromagnetic field immunity test with levels for assessing immunity as specified by:

EN 61000-6-2:2005 – Immunity for industrial environments

Signed by: M Thomas

European Regulatory Manager
Personal Safety Division
3M United Kingdom PLC

Date: 21st November 2018

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