

DECON MADE SAFE & EASY

Everything you need to clean your fire kit, SCBAs, face masks, boots, gloves, helmets, and tools.



Solo Rescue[®]

Professional decontamination of firefighter PPE.



Technical specification	
Power supply	400 V / 415 V 3-phase, 50 Hz, 32 A **
Water supply	Hot or cold, 5–40°C, 3–10°dH
External Dimension (W x D x H)	Closed: 1025 x 887 x 1744 mm Open: 1025 x 1316 x 2084 mm

*The provided cleaning performance values are theoretical; actual results may vary due to various factors.

** Other voltages available on request.

Everything you need to clean your SCBAs, face masks, boots, gloves, helmets, and tools – all in one machine



The spacious design of the Solo Rescue allows you to wash either 2 complete SCBAs, 6 stand-alone air bottles, 8 face masks, 3 helmets, 3 pairs of boots, or 8 pairs of gloves per wash cycle. On top of that, you can wash small parts, such as regulators and pressure connectors. All of this is possible thanks to the clever design of the Solo Rescue basket system.

The backbone of the system is the standard basket, which is used at all times. This basket can then be paired with several different accessories, giving you a versatile machine that fits many different needs. Accessories include holders for SCBAs, face masks, boots, gloves, helmets, and small parts (e.g., regulators, pressure connectors, etc.).



Optimized cleaning with an innovative rotating basket system

The generously-sized wash tank of the Solo Rescue is a vital part of its strength. Together with an innovative rotating basket system, this provides a design that optimizes the water flow to reach even the most inaccessible parts of your equipment without compromising its function and quality. So whether you are washing SCBAs, face masks, boots, gloves, helmets, or tools, the Solo Rescue will do an excellent job reducing and extracting dangerous soot particles, chemicals, and detergent residue from your equipment.

Clean gear in less than 10 minutes

The Solo Rescue offers an easy, quick, and safe way to clean your contaminated PPE. The easy-to-use control panel lets you choose between a 3-minute cycle for gloves and boots or an 8-minute cycle for SCBAs, face masks, and helmets. It can clean up to 14 complete SCBAs (including face masks), 42 stand-alone air cylinders, 56 face masks, 21 helmets, 60 pairs of boots, and 120 pairs of gloves per hour.

DeconWasher™ Pro S

Efficient cleaning solution in a compact size.

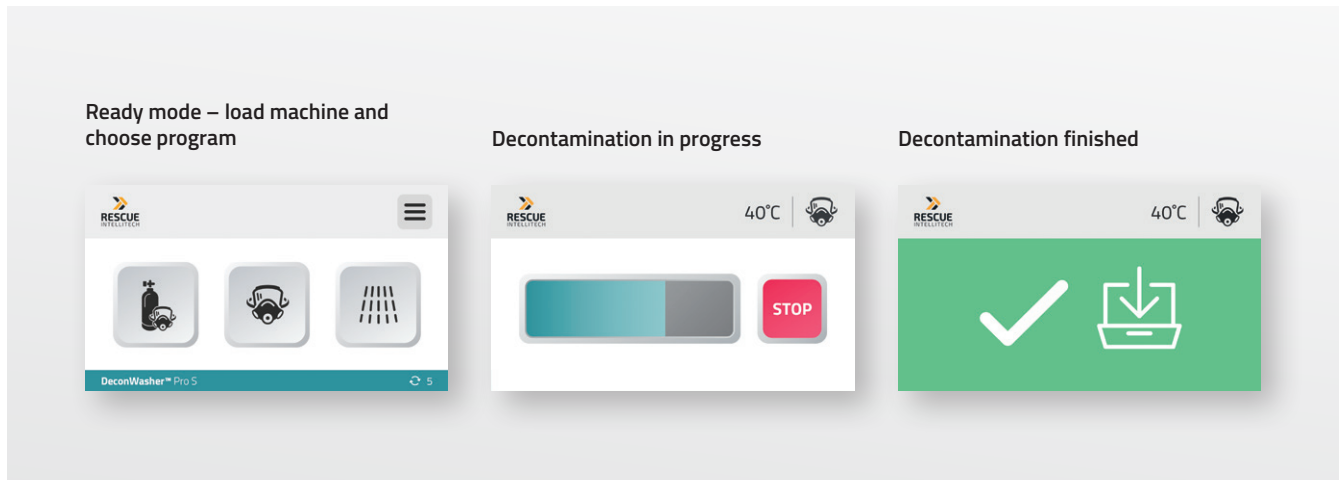
-  **6** SCBAs per hour*
-  **24** Helmets per hour*
-  **12** Air cylinders per hour*
-  **24** Face masks per hour*
-  **12** Pairs of boots per hour*
-  **24** Pairs of gloves per hour*



Technical specification	
Power supply	200–240 V single-phase, 50/60 Hz, 16–20 A
Water supply	Cold & hot water, 0.5–10°dH
External Dimension (W x D x H)	Closed 680 x 790 x 1732 mm Open 680 x 1080 x 1900 mm

*The provided cleaning performance values are theoretical; actual results may vary due to various factors.

Easy to operate with an intuitive user interface



To make the machine as user-friendly as possible, we decided to use a single resistive touch screen display, so you have complete control of your DeconWasher Pro S. With a modern user interface, inspired by the easy-to-use analog control panel of the Solo Rescue, you can run a wash program with a single tap on the screen.

Apart from starting your wash programs, you will be able to follow its progress via a progress bar, change the wash and rinse temperatures, adjust the detergent concentration, alter the rinse volume, see the current number of completed programs since the last water change, get water change and service notifications, and more.



Efficient cleaning process in a compact size

The DeconWasher Pro S ensures excellent results without compromising function or quality despite its compact size. The smart design enables a high water flow through rotating wash arms, with nozzles designed to decontaminate and clean the gear with plenty of power. In addition, the generously-sized rinse system ensures efficient deduction of dangerous soot particles and residue.



Disinfection as an option

If disinfection is a vital part of your decontamination process the DeconWasher™ Pro S will offer you a couple of solutions using the rinse system. By adding a disinfectant as a rinse aid you can either choose to use it directly after the decontamination process of a regular wash program, or you can choose to create a separate disinfectant program for that sole purpose. The later option will off course give your equipment both the regular fresh water rinse followed by the extra disinfection program.

DeconFilter™ Pro S

The perfect complement to your Solo Rescue and DeconWasher Pro S.
An easy and safe way of reducing carcinogens from your wastewater.



Technical specification

Power supply	220–240 V single-phase, 50 Hz, 10 A
Dimensions (W x D x H)	Extend the width of the machine by approximately 300 mm

Optimized filtration technology



The DeconFilter Pro S focuses on extracting and reducing the amount of carcinogenic PAH compounds in the Solo Rescue and DeconWasher Pro S wastewater. During tests at a fire department and firefighter training facility in southern Sweden, wastewater samples were taken from the Solo Rescue decon washer after several training exercises and rescue operations. They were then sent to an external third-party laboratory for testing.

The tests were conducted to look specifically at the reduction of a group of 16 PAHs that has been considered to be high

priority pollutants. These 16 PAHs are of environmental concern because of their potential toxicity in humans and other organisms and their prevalence and persistence in the environment. Several PAHs are probable or known carcinogens. The result showed that the amount of these 16 PAHs had been reduced by up to 98%.

To achieve these results, we use a multi-stage custom filtration, including a lint filter, particle filters, and an active carbon filter. This allows us to catch particles of various types and sizes and prevents them from being flushed down the drain.



The perfect complement to the Solo Rescue and DeconWasher Pro S

The DeconFilter Pro S was developed to work seamlessly with the Solo Rescue and DeconWasher Pro S and fits perfectly on the right side of the machines using a special filter rack. It is also possible to mount the filter system on the wall for convenience if needed. The Solo Rescue filter system comes with an external water tank, including a lint filter and drain pump. This is not required for the DeconWasher Pro S since this is already built into the machine.



Safe and easy filter maintenance

To ensure the efficiency of the filter system, we recommend using a filter kit replacement four times per year. However, depending on the type of fire and how often the water in the machine is changed, the filter lifetime may vary.

To make the filter exchange as easy and safe as possible, it has an open design that allows you to reach the filter cartridges on the side of the machine effortlessly.



Chris Simpson, Watch Manager and Equipment Officer at Avon Fire and Rescue Service (FRS) in front of the Solo Rescue decon washer.

Solo Rescue machines at the heart of decontamination at Avon Fire and Rescue Service

Chris Simpson, Watch Manager and Equipment Officer at Avon Fire and Rescue Service (FRS), explains how Solo Rescue machines have become integral to its decontamination procedures. The swift and thorough cleaning of equipment helps with the smooth running of its fire stations, whilst prioritising the long-term health of its firefighters:

“Avon FRS was one of the first UK fire services to purchase a Solo Rescue decontamination machine back in 2021. At the time, the industry was beginning to understand more about the importance of cleaning all PPE after fire-related incidents, and it was considered a good investment to help protect our crews from harmful smoke particles. We have since bought four additional machines which are situated in some of our larger stations and at our training facility. The latest was installed in September 2024 as part of the

refurbishment of Bedminster fire station in the south of Bristol.

Fast and efficient cleaning

We use the machines mostly for our self-contained breathing apparatus (SCBA) and helmets. They both require the same eight-minute setting, so we tend to leave the machine on the same setting and temperature most of the time. Helmets and SCBA can be loaded in batches which is very easy, and much quicker than cleaning by hand. Once

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The machines are easy to operate, sturdy and robust (virtually firefighter-proof!), and most importantly, they do a great job in keeping our equipment really clean.



Clean air cylinders and harnesses at Avon FRC.

the cycle is finished, they are hung above the sink area so that the straps and linings can fully dry. Personnel from other UK FRSs have visited our facilities to see the machines in action, and they're often impressed that the kit comes out noticeably cleaner compared to handwashing. In total, Avon FRS has 225 SCBA sets in service on the fire trucks at any one time and about 25 spare. After an incident, the dirty SCBA and helmets are brought to one of the bigger stations for cleaning, so the Solo Rescue machines are frequently in use. The one at our internal training facility is also heavily used.

Installation and aftercare

The installation process for each machine is very straightforward. You just need access to electricity, water supply and a waste pipe for drainage. This means the machines can be easily integrated into existing fire stations, and of course are very simple to include in plans for refurbished or new facilities. For our recent installation in Bedminster, Rescue Intellitech organised delivery to coordinate seamlessly with the refurbishment fit out. Once the machines are in place, full training is provided to key personnel. Our contact, Nick Croad, held a training session for me and the other BA technicians, and we were then able to provide simple operating instructions to others in the service. We also have an aide memoire on the side of the machine as a reminder. Nick comes to service the machines every year. However, if we ever have a problem or a query in the meantime, he is always very attentive and quick to respond.

The decontamination process

When I first joined the service, after an incident, firefighters would drive back to the station in their dirty gear and the truck and station would stink of smoke for days afterwards. Thankfully, we now have clear guidelines and processes in place to make sure our crews decontaminate as quickly as possible. Ideally if space allows, fire stations should adopt a red, amber and green zone system for designated contaminated, transition and clean areas. That's not always possible to create in existing buildings, but new or refurbished ones now are designed this way.

We also have a 'safe undress' policy for removing PPE after an incident. Jacket, trousers, boots and gloves are carefully removed, and special wipes are used to clean exposed skin. Then latex gloves are put on before the helmet is removed and the flash hood taken off over the mask and down the SCBA hose. The SCBA mask is the last thing to remove, replaced immediately with an FFP3 mask. Dirty clothing is then placed in red bags and stored in a separate area of the truck and station for collection and cleaning, while the helmets and SCBA are also bagged and taken to one of our stations for decontamination in the Solo Rescue machines. We then try to 'shower within the hour' using special soap and shampoo for removing contaminants. Together, these are all important steps to help us minimise exposure to harmful particles and keep our crews safe.

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Avon FRS was one of the first UK fire services to purchase a Solo Rescue decontamination machine back in 2021... We have since bought four additional machines which are situated in some of our larger stations and at our training facility.

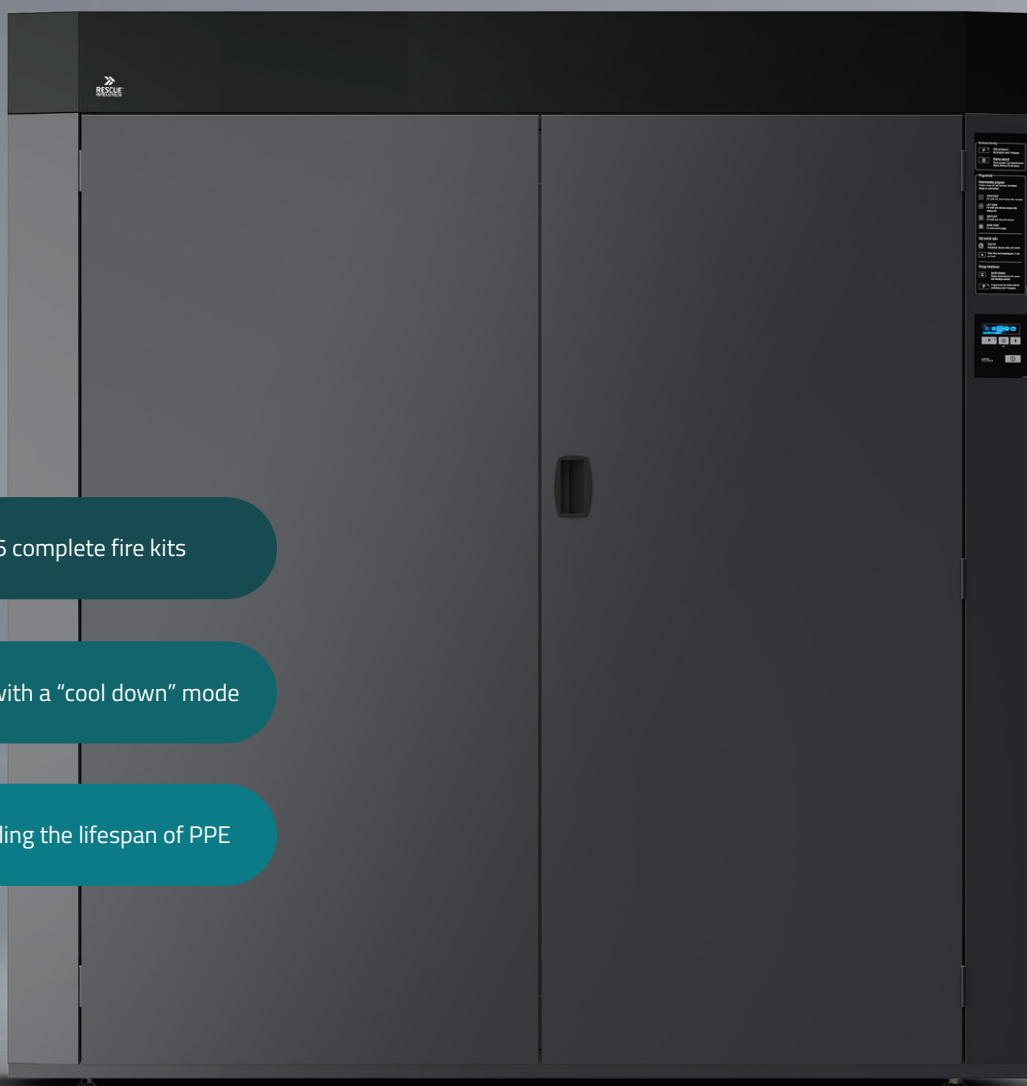
A final word

We have been really impressed with the Solo Rescue machines and the excellent aftercare service provided by Rescue Intellitech. The machines are easy to operate, sturdy and robust (virtually firefighter-proof!), and most importantly, they do a great job in keeping our equipment really clean. I expect we'll fit Solo Rescue machines into all of our new or refurbished fire stations from now on. Once you've tried it there's no going back!"

Drying cabinet

DC20

Swift and efficient drying for personal protective equipment.



Up to 6 complete fire kits



Ends with a "cool down" mode



Extending the lifespan of PPE

Technical specification DC20

Power supply	400 V, 3-phase, 50 Hz, 20 A
Electric heating	12000 W
External Dimension (W x D x H)	1800 x 800 x 1955 mm

PPE Drying Solutions For a Faster Drying Process



The DC20 features an advanced dual drying system that dries personal protective equipment (PPE) quickly and thoroughly. Thanks to innovative air circulation, both the inside and outside of the gear are dried simultaneously – resulting in shorter drying times and faster readiness for use. With automatic and manual programs, as well as a delayed start function, the DC20 can be flexibly and user-friendly adapted to a wide range of requirements. The drying process concludes with a special cooling phase, ensuring the equipment can be safely used immediately after drying.



Energy-Efficient and Safe Operation

The DC20 is equipped with an intelligent temperature and humidity control system that automatically optimizes energy consumption. A dual overheating protection system ensures maximum safety, while the drying process stops automatically once the optimal residual moisture level is reached – saving valuable time and energy. With capacity for up to six complete protective suits at once, the DC20 is perfectly suited to the demands of fire stations and military facilities, where fast and reliable drying is essential.



Gentle Drying For Maximum Gear Longevity

The DC20 dries duty and protective clothing in an especially gentle way – completely without mechanical movement. Special accessories, such as custom-designed hangers, enable simultaneous drying of both the inside and outside. This helps zippers and reflective strips stay intact longer, while also hardening and reactivating impregnated coatings. Even hard-to-dry items like gloves and boots are ready for use again in no time, thanks to targeted warm air distribution.

Drying cabinet

DC8

Space-saving drying for your equipment.



For drying protective equipment



Ends with a "cool down" mode



Extending the lifespan of PPE

Technical specification DC8	
Power supply	400 V, 3-phase, 50 Hz, 16 A
Electric heating	6000 W
External Dimension (W x D x H)	1200 x 640 x 1870 mm

Smart and designed for durability



The DC8 is a drying cabinet designed for environments where high demands are placed on performance and reliability – such as fire stations. The cabinet is ideal for protective clothing that needs to be quickly ready for the next use, providing gentle and efficient drying that preserves the functionality and quality of the materials.



Compact and user-friendly

The DC8 is a space-saving cabinet with intelligent features. The user-friendly display shows information with easily understandable icons, and there are four automatic programs as well as a time-controlled program. The cabinet is easy to load, thanks to doors that open up to 190°. It is delivered either pre-assembled or as a kit, with a rod or shelves.



Energy-efficient and technologically advanced

The cabinet has low energy consumption, based on usage for regular clothing, making it a cost-effective solution. The advanced Humidity Tracking System (HTS) automatically detects when the clothing is dry and stops the drying process, saving both time and energy. Two fans and dual air channels ensure optimal air circulation and prevent the escape of warm air.

Washing machine

DE180, DE240, DE280

Durability and adaptability designed for fire rescue environments.



Technical specification	DE180	DE240	DE280
Power supply	400 V, 3-phase, 50 Hz, 50 A *	400 V, 3-phase, 50 Hz, 50 A *	400 V, 3-phase, 50 Hz, 50 A *
Drum volume	180 liters	240 liters	280 liters
External Dimension (W x D x H)	970 x 970 x 1434 mm	970 x 1105 x 1434 mm	970 x 1185 x 1434 mm

* Other voltages available on request.

Built to Perform. Engineered to Last

Discover the DE Series – a premium range of high-performance washing machines designed for durability, efficiency, and excellence in demanding professional environments. With cutting-edge technology, superior build quality, and smart, user-friendly design, the DE Series delivers outstanding washing results while minimizing energy and water consumption. For reliable performance, long-term value, and sustainability you can count on.



15 Preprogrammed Wash Cycles

With 15 standard programs designed to handle everything from heavy-duty textiles to delicate garments and allergy-friendly options, the DE Series offers a versatile solution for every need. Additional specialized programs are also available as options to cater to various industry-specific requirements.



Energy Efficiency

Thanks to the innovative WED technology (Water Efficiency Drum) and the smart WLS system (Water Level System), water and energy consumption are significantly reduced – making the washing process both cost-effective and environmentally friendly.



Low Noise Levels

Designed to operate quietly during both washing and spinning, these machines are perfect for use in environments like fire stations and military facilities, where minimizing noise disruption is essential without compromising performance.



Multiple Size Options

When it comes to heavy-duty laundry demands, one size doesn't fit all. The DE Series offers high-capacity washing machines – ideal for laundry rooms managing large loads and continuous operation. With models available in 180, 240, and 280 liter capacities.



Built to Last

Durable by Design, these robust machines feature a smart clinch-mounted construction that ensures exceptional longevity and minimal maintenance – even under tough, continuous use.



Rescue Intellitech – helping firefighters fight cancer

Rescue Intellitech, part of the Sandberg Development Group founded in the 1960s, is a leading provider of cutting-edge solutions for the firefighting and rescue services industry. With a strong focus on firefighter safety, their products aim to eliminate work-related illnesses and improve overall operational efficiency. Rescue Intellitech's innovative lineup includes the highly acclaimed Solo Rescue decon washer, renowned for its ability to reduce dangerous carcinogens in firefighters' personal protective equipment. The company is committed to delivering reliable, high-quality solutions that make a lasting impact on the safety and well-being of firefighters worldwide. To do so, all products targeted towards the firefighting industry by Rescue Intellitech have been developed and tested in collaboration with professional firefighters prior to their launch. Other innovative companies in the group include Aimpoint®, GAIM, Nordisk Clean Solutions, and Swatab.

Rescue Intellitech disclaims any and all liability for any injury to persons, property, or other damages of any nature whatsoever resulting from the misuse of their products that does not correspond with the washing instructions of each individual PPE manufacturer.

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