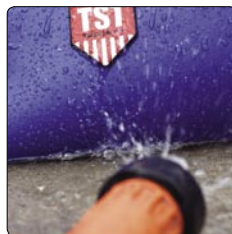


Chemical Protection



UNIQUE PROTECTION EQUIPMENT





Advanced protective equipment for Chemical Protection

Ever since we developed our first products for Chemical Protection in 1992, we have consulted end users across the world. Today we offer a broad range of protective equipment with technically advanced features, high level of comfort and high quality.



1 FIRE FIGHTER SUIT

The fire fighter suit provides effective protection against fire, chemicals and cold. The suit is made from seven different layers, and has knitted cuffs around the wrists and ankles. The product is intended primarily for use in an industrial environment for fighting fires and chemical releases, and has been specially designed to be worn together with the Alfa and Beta chemical protection suits (see page 4).

Size S-XXL.

Art. No. 7044200 7000

2 INSULATING GLOVES

The insulating gloves provide excellent protection when working with condensed gases. They are ideal for use over chemical protection gloves in order to protect against frostbite. The gloves are made of very soft leather, and come complete with a membrane which makes them waterproof.

Size 11.

Art. No. 7000400 7000



4 COOLING VEST MULTI

The cooling vest is a comfort garment developed to prevent elevated body temperature when working in hot environments or with extreme physical exertion. The "cooling" effect is obtained from the 22 PCM-elements (Phase Change Material) absorbing excessive body heat.

Size S-5XL.

Art. No. 3020P028



1 ALFA CHEMICAL SUIT TYPE 1A (gas-tight)

The Alfa chemical protection suit has been developed through years of experience in demanding condensed gas exercises, using real chemicals. The concept is based on a combination of a fire fighter suit and a chemical suit. The fire fighter suit protects against fire and also provides insulation against cold. The Alfa chemical protection suit will withstand temperatures down to -80° C without any additional overgarments. The suit comes packed in a practical case.

Size S–XL.

Art. No. 7046200 (Pass through connection)

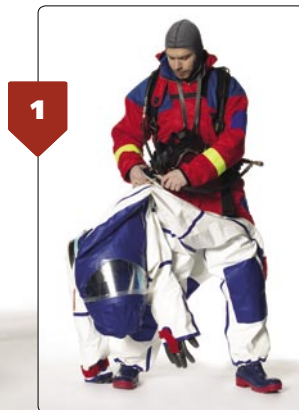


2 BETA CHEMICAL SUIT TYPE 2 (non-gas-tight)

The Beta chemical protection suit has been designed to be put on over a fire protection suit and breathing apparatus quickly and easily. The suit provides excellent protection for rescue work, decontamination, etc. The hood, with its integrated helmet, is separate from the suit for convenience when it is not needed. The chemical protection gloves are attached to the suit, but are easy to replace. The suit can be stored in the accompanying case, for example in a rescue vehicle.

One size.

Art. No. 7042000 7000



3 BUTYL OVERALL

The unique, fire retardant material gives the overall excellent chemical resistance and a high level of comfort. The overall has double zips and is available with integrated socks and replaceable gloves, or just elasticated wrists and ankles.

A full-face mask, breathing apparatus or chemical escape hood can be used with the overall to provide respiratory protection.

Size S-XXL.

Art. No. 7040460 7000

Art. No. 7040460 7470 (with integrated socks, gloves)



4 VENTILATED SUIT

The ventilated protection suit is available in two styles. One (yellow) is designed to be used in dry environments, for protection against particles, and the other (green) is intended for use in environments where protection against chemicals is required. The suit is supplied with a constant air flow to the breathing mask via an air hose connected to a compressor. The suit's ventilation flow can be adjusted by the user while being worn. It has integrated chemical protection gloves which are replaceable, and is extremely comfortable to work in.

Size S-XXL.

Art. No. 7041660 7420 (green)

Art. No. 7041210 7420 (yellow)



1 CHEMICAL ESCAPE HOOD

The unique design makes the hood extremely comfortable to wear and easy to put on. The half-mask is made of silicone and the fluorescent material has reflective bands for optimum visibility. The neck cuff is specially woven for the closest possible fit and maximum elasticity. Twin exhaust valves ensure low respiratory resistance. The hood is available with two different types of filter and is supplied with its own practical carrying bag.

One size.

Art. No. 7012P00023 (Hood with combination filter A2B2E2K1P2)

Art. No. 7012P00024 (Hood with ammonia filter K2)



CARRYING BAG

The chemical escape hood comes with a soft carrying bag, with a zip for easy opening. The bag can be worn on a belt, carried over the shoulder or attached to a wall. The bag is very important as it makes the hood easy to bring, when working in risk environments.



2 PROTECTIVE "BREATHABLE" OVERALL

Durable protective overall for wet and dry conditions, designed to meet tough industrial demands concerning function and safety. Effective seals and taped seams ensure a high degree of impenetrability whilst the material is breathable. Two chest pockets and one leg pocket. Braces for increased comfort. The overall is of polyamide with a polyurethane coating.

Size S-XXL.

Art. No. 7040210 7000

3 AMMONIA KIT 1

A complete kit which provides excellent protection when working in risk environments involving ammonia. The kit consists of a protective suit, a chemical escape hood, insulating gloves and protective boots with steel toe caps and steel mid-soles, all packed in a highly practical case.

Size S-XXL.

Art. No. 70K47000



Leakage and Collection



1 FUNNEL WITH MAGNETS

A superior solution for when you want to catch a leak quickly, but are not equipped for exposure to the chemical. The handle allows you to bring the funnel up to the leak and position it against the leaking surface. Super magnets mean that the funnel's sealing surface attaches to the base. The funnel is fitted with a connection which makes it possible to attach a fire hose or collection cushion to collect the leakage.

Art. No. 7084000



2 COLLECTION CUSHION - 100 LITRES

Practical collection cushion that is easily attached to the funnel.

Holds 100 litres.

Art. No. 7080600

STORAGE CASE

The funnel comes packed in a case, making it easy to store in a rescue vehicle or in a suitable place in a factory area.



SUPER MAGNET

The funnel is held in place with eight super magnets. Four fixing ropes are included, which can be used if the base is not magnetic.





3

3 RE-CONDENSING SET

Full equipment for treating discharges of condensed gases such as ammonia, chlorine and sulphur dioxide. These chemicals are transported in large quantities, and a leak would present serious problems for both people and the environment. This equipment makes it possible to cover over or catch a leak – either in liquid or gas form – highly effectively. The re-condensing set includes two tarpaulins (3 x 3 m and 5 x 5 m), a re-condensing funnel, a basin (700 litres) and a submersible pump with a 5 meter hose.

All packaged in a trunk made of plywood. (LxWxH) 1,2 x 0,5 x 0,6 m.

Product	Art. No.
Re-condensing set (complete kit)	70K824000
Tarpaulin 3 x 3 m	7084200 7802
Tarpaulin 5 x 5 m	7084200 7806
Re-condensing funnel 10 m	7082400 7000
Self-erecting basin 700 litres	7080200 7832
Submersible pump with hose 5 m	7090400 7000
Trunk made of plywood	7090490 7000



4

4 FUNNEL FOR PIPE LEAK

The funnel is designed so that it can be easily used around a leak in a pipe. The funnel is attached around the leak using fixing ropes, and the chemical is then led away using a fire hose (not included) or caught in a collecting cushion (see page 8).

Art. No. 7082000

Chemical-resistant Basins



1 COLLECTING BASIN WITH STAND, 1000 LITRES

A robust basin made of acid-resistant material and special compound PVC which can withstand chemicals and temperatures down to -80° C. The basin is foldable for easy storage and transportation. Can easily be managed by one person, even in the dark.

The fabric is replaceable.

Art. No. 7080P7836

2 SELF-ERECTING BASIN 400 LITRES

This basin has low, soft edges. It is easy to position where a leak occurs, also in small spaces. It is ideal for use as a collecting basin during decontamination of e.g. chemical divers. The basin can be folded or rolled for easy transportation and storage.

Art. No. 7080200 7830

3 SELF-ERECTING BASIN 700 LITRES

An easy-to-use practical basin made of chemical-resistant material. On filling, the basin self-erects using four floatation devices around the opening of the basin. It has a capacity of 700 litres and can be folded or rolled to a small size for storage.

Art. No. 7080200 7832



4 BASIN BAG

The bag is an accessory for the 400 litre or 700 litre self-erecting basins.

Size 400 liter.

Art. No. 7090210 7830

Size 700 liter.

Art. No. 7090210 7832

Spring-lid Seals

In the event of a leak, it is extremely important that the leaking chemical does not get into the sewage system. To prevent that, we have developed two products which seal gratings effectively.

1 SPRING-LID SEAL, CUSHION

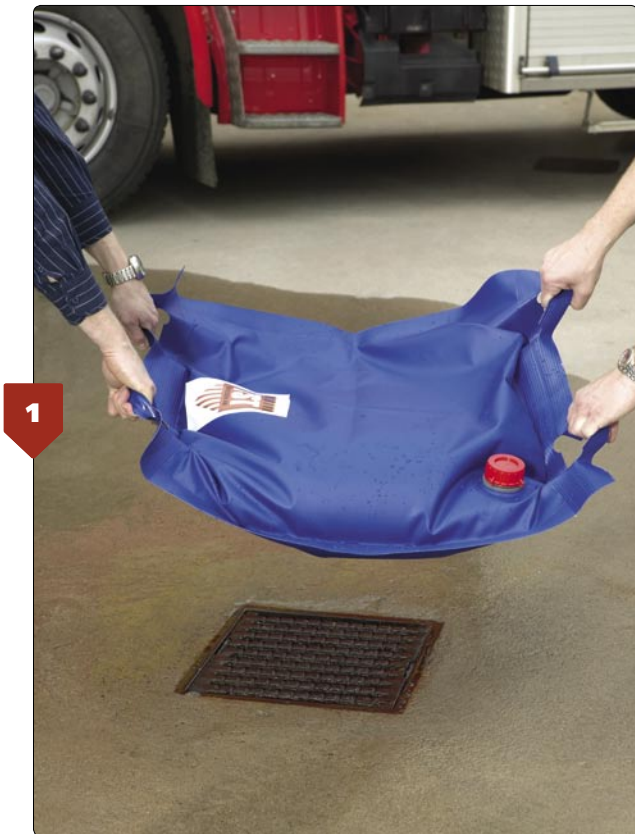
This product is ideally stored filled, enabling it to be placed extremely quickly over a grating or similar as a seal. It weighs 45 kg when filled with water, and is fitted with carrying handles on both sides.

Art. No. 7080400 7822

2 SPRING-LID SEAL, BASIN

Place the basin over the grating and fill it with water, sand or something similar. It has a capacity of 90 litres and can also be used as a collecting basin. Takes up very little space when empty.

Art. No. 7080400 7824



Smart hose – chemical- and fire fighting

TST SMART HOSE

World patented hose which is developed to create water barriers, to be flexible and to minimize the need of personal. One Smart Hose of 20 m can produce a 12-15 m high wall of water – that is about 300 m² – and it can quickly be placed even in difficult terrain. Excellent for shielding off fires or gas clouds where you can't or don't want to have humans present nearby. The Smart Hose is also highly efficient for cooling off big objects like buildings, gas tanks and containers. The nozzles that spread the water can easily be exchanged and they come in different versions to accommodate different needs and availability of water. Smart Hose comes with one set of nozzles and without couplings. The base hose is a B-75 Duraflex fire hose, diameter 75 mm. On request, there is 110, 52, 25 mm hose and alternative placing of nozzles is possible.

Smart Hose 20 m, Ø 75 mm, complete with nozzles.

Art. no. 7590P17930 (3 mm nozzles)

Art. no. 7590P17960 (6 mm nozzles)

Art. no. 7590P17905 (5-holes nozzles)

Art. no. 7590P27905 (3 mm, 6 mm and 5-holes nozzles)



Water consumption (max working press. 15 bar)				
Nozzle	4 bar	6 bar	8 bar	10 bar
5-holes	970	1000	1020	1150
1x3 mm	210	250	300	330
1x6 mm	1050	1130	1230	1300

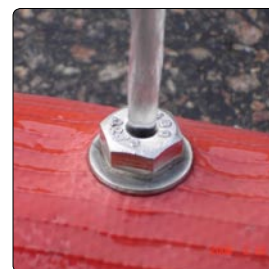
NOZZLE-SET

Complete set with 25 nozzles in one of the dimensions 3 mm, 6 mm or 5-holes. 3- and 6 mm nozzles are best suited for shielding off, cooling off and fighting fires. 5-holes nozzles are best suited for shielding off condensing gases and for cooling of objects.

Art. no. 7590090 7930 (3 mm nozzles)

Art. no. 7590090 7960 (6 mm nozzles)

Art. no. 7590090 7905 (5-holes nozzles)



Size Table for Overalls (all measurements in cm)		
Size	Body Length	Chest Width
S	<175	85
M	176-180	100
L	181-186	108
XL	187-192	116
XXL	193-200	124
3XL	201-206	132



Certified according to ISO 9001:2000 and ISO 14001:2004

