



**TRELLCHEM**<sup>®</sup>  
THE SAFETY STANDARD

# TRELLCHEM<sup>®</sup> SUPER FREEFLOW



Trelchem<sup>®</sup> Super Freeflow with attached boots.

Provides excellent protection against hazardous chemicals in liquid, vapor, gaseous and solid form. Designed for use with an external air source, which allows longer working hours and provides a more comfortable working environment.

#### **GARMENT MATERIAL**

The Trelchem<sup>®</sup> Super Freeflow is made from the Trelchem<sup>®</sup> Super material, which is based on a real woven fabric coated with elastomers. This construction maximizes strength and durability of a material while maintaining softness and flexibility. The combination of butyl rubber with Viton<sup>®</sup> on top offers an outstanding resistance to chemical attack from a wide range of different chemicals.

The fabric is antistatic to EN 1149-5.

#### **COLOR**

Yellow.

#### **STANDARDS**

- EN 943-1 (gastight type 1c)
- EN 14126 (infective agents)
- Approved for use in explosive environments Zone 0, Group IIC according to ATEX Directive 94/9/EC



Swiveling passthrough



Diffuser/silencer



Valve housing

## DESIGN

Encapsulating design without hump. This provides a slimmer fit than other encapsulating suit designs.

## AIR SUPPLY SYSTEM

The suit connects to an external air source (airline) via the swiveling passthrough, which is placed on the back of the suit. No SCBA is to be used - the air inside the suit is the breathing air. The air is distributed through two diffusers/silencers, placed at the top of the hood to prevent fogging of the visor. On the outside the hood is fitted with 0.5 m rubber breathing hose with a standard male EURO airline connection.

The airline passthrough is equipped with a warning whistle which sounds if the pressure drops below 3 bars.

Excess air is ventilated through four outlet valves in the back of the hood.

## TECHNICAL DATA

- Working/Inlet pressure: 3-8 bars
- Minimum design air flow: 220 litres/min
- Maximum design air flow: 475 litres/min

## VISOR

CV visor for optimal vision and comfort. The visor is made of impact and chemical resistant 2 mm PVC material.

## ZIPPER

Strong and durable gastight zipper. Closing downwards for added safety. The zipper is protected by a splash guard (flap).

## GLOVES & ATTACHMENTS

The suit is fitted with Trellechem<sup>®</sup> Viton<sup>®</sup>/butyl rubber gloves in combination with rubber cuffs for added safety. Other gloves are available on request. The gloves are attached with the Trellechem<sup>®</sup> Bayonet glove ring system, which offers quick and simple glove exchange.

## FOOTWEAR & ATTACHMENTS

Attached black nitrile rubber safety boots with European approval as Firemen's boots. Alternatively the suit is equipped with a sewn-on sock/bootie in the suit material.

## SEAM

Double stitched seams covered on the outside with a Viton<sup>®</sup> rubber tape and on the inside with a fabric-reinforced tape.

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