

# GEAR UP

When only the best will do



# GASTIGHTSUITS



## Trellechem HPS EVO Top of The Line Protection

- ✓ NFPA 1991 (Single Skin)
- ✓ Chemical Flash Fire Protection
- ✓ Liquefied Gas Protection
- ✓ EN 943-1 & EN 943-2 / ET
- ✓ ATEX (94/9/EC) tested for use in explosive atmospheres
- ✓ HEAVY DUTY REUSABLE

### Standard Options

- CV Visor or Large VP1 Visor



- Attached boots\* or sock/bootie



- Airline passthrough system



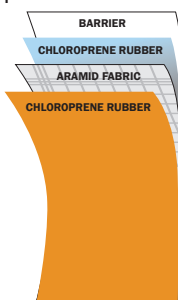
Available  
in Type-T  
version  
(Level B  
Gastight)

\* With attached boots, the suit is not certified to NFPA 1991.



## Trelchem VPS-Flash Optimum Protection

- ✓ NFPA 1991 (Single Skin)
- ✓ Chemical Flash Fire Protection
- ✓ Liquefied Gas Protection
- ✓ REUSABLE



### Standard Options

- CV Visor or Large VP1 Visor



- Attached boots\* or sock/bootie



- Airline passthrough

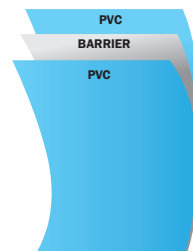


\* With attached boots, the suit is not certified to NFPA 1991.



## Trelchem NEO Optimum Protection (Limited Re-Use)

- ✓ NFPA 1991 (Single Skin)
- ✓ EN 943-1 & EN 943-2 / ET



### Standard Options

- CV Visor or Large VP1 Visor



- Attached boots\* or sock/bootie



- Airline passthrough



\* With attached boots, the suit is not certified to NFPA 1991.



## Trelchem Splash 2000

- ✓ Encapsulating design with BA worn inside
- ✓ 1-piece lightweight design
- ✓ 1mm flexible PVC visor
- ✓ Reinforced knees/elbows
- ✓ Watertight zipper (side-entry)
- ✓ EN 14605 (type 3 liquid tight)



## Trelchem Splash 1000

- ✓ 2-piece encapsulating design with BA worn inside
- ✓ Extra large 1mm flexible PVC Visor
- ✓ High waist trousers with suspenders
- ✓ EN 14605 (type 3 liquid tight)
- ✓ Quick and easy to dress



## Trelchem Splash 900

- ✓ Low profile design with BA worn outside
- ✓ Anatomically designed face-seal
- ✓ Reinforced knees/elbows
- ✓ Watertight zipper (rear-entry)
- ✓ EN 14605 (type 3 liquid tight)



## Trelchem Splash 600

- ✓ Basic overall with hood for low-risk environments
- ✓ EN 14605 (type 4 spray tight)



## Bayonet System

All Trelchem gastight suits and most of the splash suits are delivered standard with the Bayonet Glove ring system. This allows for quick glove cleaning & exchange. Two Viton® O-rings & glove compression provide excellent sealing.



## Antifog

Gastight suits can be delivered with an anti-fog lens. An outer peel-off lens protects against scratches and can be removed when confronted with opaque chemicals.



## Airline Passthrough

An optional integrated airline passthrough system can be installed for longer operational requirements. Complete with belt and connection hose.



## Training Suits

Cost effective suits configured to your training-requirements.

# NFPA 1991 CHEMICAL PERMEATION DATA

Trellchem suits are tested and approved according to the NFPA 1991 standard on vapor-protective ensembles for hazardous materials emergencies. The test data is presented below.

CHEMICAL	HPS EVO BTTIME	VPS-FLASH BTTIME	NEO BTTIME
Acetone	> 1440	> 480	> 480
Acetonitrile	> 1440	> 480	> 480
Anhydrous Ammonia	> 1440	> 480	200
1,3-Butadiene	> 1440	> 480	> 480
Carbon Disulfide	> 1440	> 480	> 480
Carbonyl Chloride (CG)	> 60	> 60	> 60
Chlorine	> 1440	> 480	> 480
Cyanogen Chloride (CK)	> 60	> 60	> 60
Dichloromethane	> 1440	> 480	> 480
Diethyl Amine	> 480	> 480	> 480
Dimethyl Formamide	> 1440	> 480	> 480
Dimethyl Sulfate (DMA)	> 60	> 60	> 60
Ethyl Acetate	> 1440	> 480	> 480
Ethylene Oxide	> 1440	> 480	> 480
Hexane	> 1440	> 480	> 480
Hydrogen Chloride	> 1440	> 480	> 480
Hydrogen Cyanide (HCN)	> 60	> 60	> 60
Methanol	> 1440	> 480	> 180
Methyl Chloride	> 1440	> 480	> 480
Mustard Gas (HD)	< 4 µg/cm <sup>2</sup>	< 4 µg/cm <sup>2</sup>	< 4 µg/cm <sup>2</sup>
Nitrobenzene	> 1440	> 480	> 480
Sarin (GB)	< 1.25 µg/cm <sup>2</sup>	< 1.25 µg/cm <sup>2</sup>	< 1.25 µg/cm <sup>2</sup>
Sodium Hydroxide	> 1440	> 480	> 480
Sulphuric Acid	> 1440	> 480	> 480
Tetrachloroethylene	> 1440	> 480	> 480
Tetrahydrofuran	> 1440	> 480	> 480
Toluene	> 1440	> 480	> 480

All test chemicals are stipulated in the American standard NFPA 1991. The tests are performed in accordance with ASTM F 739 (0.1 µg/cm<sup>2</sup> \*min), where Mustard Gas and Sarin are tested using cumulative permeation during 1 hour. More test data is available upon request. BT Time = Breakthrough Time.

## SUIT SIZES

Trellchem suits are available in a broad range of sizes for optimum fit.

For maximum operational efficiency, gloves and boots are delivered in matching sizes.

Alternative combinations are available upon request.

SUIT SIZE	WEARER'S MEASUREMENTS		GASTIGHT		SPLASH SUITS	
	HEIGHT (FT/IN)	WEIGHT (LBS)	SOCKS	INNER BARRIER GLOVES	PVC BOOTS	NITRILE CHLOROPRENE GLOVES
M	5' 7"-6' 2"	143-187	9	10/11	9	10
L	6' 0"-6' 4"	165-209	10.5	13	10.5	10
XL	6' 2"-6' 6"	188-231	11	13	11	11
XXL	6' 4"-6' 9"	210-253	13	13	12	11

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