

## ▶ **CPS 6900**

### Gas-tight clothing type 1a (EN943-1)



#### Technical specifications

**Performance type (according to EN943):** Type 1a (chemical protection impermeable to gases, liquid chemicals, liquid aerosols and solid particles)

Self-contained breathing apparatus is worn under the suit for maximum protection.

**Sizes:** 5 sizes available (S, M, L, XL & XXL).

**Suit Material:** D-mex™

**Operating temperature:** -40 °C to +60 °C

**Storage temperature:** -5 °C to +25 °C

**Weight (without ventilation system):**

- With face cuff and boots approx. 5.4 kg
- With full face mask and boots approx. 6.2 kg

**Certification:**

- EN 943-1:2002 EU requirements for gas-tight protective suits for industrial use
- EN 1073-1 / 2 Protection against contamination by radioactive particles
- EN 14126:2003 Protection against contamination by contagious agents
- EN 14593-1 Supply via air-supplied breathing apparatus with demand valve
- EN 14594 International requirements for chemical protective clothing
- ISO 16602 Requirements for maritime use
- SOLAS Requirements for maritime uses

#### Product description

Thanks to its inside breathing apparatus, the **CPS 6900** gas-tight suit protects against hazardous gaseous, liquid, solid and aerosol-based substances. The suit is in Umex which ensures optimal wearing comfort associated with excellent mechanical stability. Thanks to the great flexibility of this material, the reusable protective clothing is ideal for handling liquefied gases and working in cold environments.

The new anti-static D-mex™ material offers excellent chemical and mechanical resistance exceeding the international industry standards requirements for reusable protective equipment. Its ergonomic cut and the five sizes available allow a high degree of adaptability for heights from 1.50 m to 2.05 m. In addition, the significantly lighter and softer equipment material is ideally suited to allow great movement freedom.

#### ▶ Chemical tests:

Chemical	Breakthrough time in min*
Ammonia	> 480
Chlorine	> 480
40% caustic soda	> 480
n-heptane	> 480

\* According to DIN EN ISO 6529: 2003-01 up to a permeation rate of 1.0 µg/cm<sup>3</sup>/min

#### ▶ Sizes:

Size S for sizes between 1.50 m and 1.65 m

Size M for sizes between 1.60 m and 1.75 m

Size L for sizes between 1.70 m and 1.85 m

Size XL for sizes between 1.80 m and 2.00 m

Size XXL for sizes between 1.95 m and 2.10 m

#### Integrated boots or socks

Safety boots in sizes 43 to 50

Waterproof socks in three sizes from 40 to 50

#### Indispensable components

IIR gloves sizes 9 to 11

FKM® gloves sizes 9 to 11

FKM® / IIR gloves sizes 9 to 11

Laminated type gloves with overgloves

Tricotril® in sizes 10 and 11