

Protection and safety at work



**ProChem® I**

Material  
CLF® | F | CPM® | C



**ProChem® II**

Material  
CLF® | F



**ProChem® III**

Material  
CLF® | F | CPM® | C



**ProChem® IV**

Material  
CLF®



**ProChem® V**

Material  
CLF®



**ProChem® VI**

Material  
TK

ProChem® Line



**PROTEC®**  
Comfort



**PROTEC®**  
Classic



**PROTEC®**  
Plus

PROTEC® Line



**MULTI**  
Econ



**MULTI**  
Klean



**MULTI**  
Tee



**MULTI**  
Splash

MULTI® Line

ProChem® I

ProChem® II

**ProChem® III**

ProChem® IV

ProChem® V

ProChem® VI



EN 1149-5 EN 14126 EN 1073-2 Type 3 Type 5 Cat. III



## Coverall Prochem® III CPM®

Cat. III, type 3B, 5

ProChem® III CPM is made of the antistatic CPM material and is a full protection suit designed for use with a filtering device. Low weight, excellent field of view and freedom of breathing guarantee comfortable work for the user.

The model provides optimal protection against solid (also radioactively contaminated) and liquid chemicals at pressures up to 2 bar (also biologically contaminated). The standard coverall has elastic thumb loops to prevent the sleeves from slipping when working overhead. The transverse entrance to the suit with a zipper is located at the front and is secured with two flaps sealed with double-sided adhesive tape. Using a breathing apparatus eliminates the use of a face mask and extends use time up to 6 hours\*. Placing the filter unit underneath the suit (only the filters are on the outside) prevents its contamination.

The widescreen, fog-free high-transparency visor provides an excellent field of view. The design is characterized by easy and quick putting on and taking off. The suit can be used with various models of filtering devices\*\*.

(\*) - For a fully charged battery and new filters. The state of charge of the battery and the type of filter affect the usage time.

(\*\*) - Filtering devices are not included in the price of the suit.

For the selection of clothing and camera, please contact Protek-System.

### Application:

Pharmaceutical, chemical and plastic industries, hospitals - infectious wards, removal of pollutants, decontamination work, work with solid and liquid hazardous substances, cleaning of tanks and channels, inspections of machines and devices, work in clean rooms, industrial coatings, nuclear technologies, agriculture and plant protection.

### Standard design (without options):

- 1 Elastic ribbing on sleeves, legs and waist
- 2 Double zipper flap closed with double-sided adhesive tape
- 3 Transverse front entry opening
- 4 Loose fit for optimal freedom of movement
- 5 Elastic thumb loops

Material: CPM®

### Options:

The following additional options for ProChem® suits are at your disposal:

- A Socks (EX area, ergonomic)
- B Shoe upper cover
- C Reinforcement on elbows and knees
- D Connection cover with glove
- E Double pleat fastened with doppel tape
- F Chemical protection gloves
- H Shoe covers with anti-slip and anti-static sole

We are happy to provide you with configuration support and individualization.

### Option examples:

#### Option H1:

Shoe cover with elastic non-slip sole



#### Option L2:

filtering device 3M Proflow 2



### Material properties:

Colour: yellow, blue

Weight: 95 Gr./m<sup>2</sup>

Fabric physical properties	Test method	Unit	Result	EN Class
Abrasion resistance	EN 530:2010	Cycles	2000	6 / 6
Puncture resistance	EN 863:1997	N	16	2 / 6
Trapezoidal tear resistance	ISO 9073-4:1999	N	L 77,5 / Q 44,7	3 / 6
Tensile strength	EN ISO 13934-1:2013	N	L 140 / Q 85	2 / 6
Surface resistivity	Test EN 1149-1 Standard EN 1149-5	Ohm	< 2,5 x 10 <sup>9</sup>	
Weight	DIN ISO 536	g/m <sup>2</sup>	95	N/A

### CE:

Type 3B: Protective clothing against exposure pressurized fluid stream	EN 14605
Type 5: Resistant protective clothing against solid particles	EN ISO 13982-1
Antistatic:	EN 1149-5
Biobarrier	EN 14126
Counteracting radioactive contamination	EN 1073-2
Helmet or hooded fan filters	EN 12941

### Permeation data CPM – ISO 6529

Chemical	Physical state	CAS	EN 369
Benzalkonium chlorides (10%)	Liquid	63449-41-2	> 480 min.
Chromium oxide (60%)	Liquid	1333-82-0	> 480 min.
Glutaraldehyde (60%)	Liquid	111-30-8	> 480 min.
Hydrofluoric acid (50%)	Liquid	7664-39-3	> 480 min.
Hydrogen peroxide (33%)	Liquid	7722-84-1	> 480 min.
Pure isopropanol	Liquid	67-63-0	> 480 min.
Sodium hypochlorite (10-15%)	Liquid	7681-52-9	> 480 min.
Caustic soda (40%)	Liquid	1310-73-2	> 480 min.
Oxalic acid saturated	Liquid	144-62-7	> 480 min.
Peracetic acid (10%)	Liquid	79-21-0	> 480 min.
Phosphoric acid (85%)	Liquid	7664-38-2	> 480 min.
Nitric acid (69%)	Liquid	7697-37-2	387 min / > 480 min.
Hydrochloric acid (37%)	Liquid	7647-01-0	> 480 min.
Sulfuric acid (96%)	Liquid	7664-93-9	> 480 min.
Hydrogen peroxide (32%)	Liquid	7722-84-1	> 480 min.