

Instructions for use

Insulated jacket art. 3-1890-140 Insulated bib-trousers art. 3-6890-140

Intended use

Insulated clothing, protecting against cold, designed to protect against the effects of a cold environment at a temperature equal to or lower than -50C (temp. range given in Table 1 and Table 2). Clothing meets the applicable essential requirements for personal protective equipment contained in the Regulation of the European Parliament and of the EU Council 2016/425 of 9 March 2016 on personal protective equipment and in the standards: EN ISO 13688:2013, EN 342:2017.

Use

Clothing should be used only as a set i.e. jacket together with bib-trousers. Wear only on garments and underwear, fastened with all fasteners. In order to properly protect the user against cold, cover the remaining parts of the body that not protected by clothing with appropriate means (footwear, hand protection and head protection). Clothing should be cleaned according to the manufacturer's instructions.

Repairs

Each time before use, an employee intending to use clothing should inspect the clothing for damage. Clothing can only be repaired by the manufacturer or specialized facilities. Damaged items of clothing (pleats, flaps, front parts or sleeves) should be replaced. Fabrics and threads as well as missing fasteners (buttons, adhesive tapes) used for repairs should be original, supplied by the clothing manufacturer. Clothing after repair should keep its original shapes and dimensions. ATTENTION: A faulty repair can result in the loss of protective properties of clothing.

Storage and transport

The clothing should be transport in original packaging (plastic bags), protecting against dirt, mechanical damage and getting wet. Store the clothing in a dry and well-ventilated place, away from heat sources and light points. Do not store the clothing when it is dirty.

Additional information

- Parameter tests according to EN 342:2017 were carried out after 5 maintenance cycles. After each maintenance process, the protective properties of clothing decrease.
- Clothing does not protect against water penetration.
- The personal protection equipment after use is a waste, which the user should properly classify and then transfer for disposal in accordance with applicable law.
- No allergenic substances have been found in the materials used to manufacture the clothing; however, if any allergic reactions are noticed, especially in the case of sensitive individuals, such a person should leave the working zone, take off the garment and consult a doctor.
- It is advisable to keep this manual for further reference.




| | | |
|--|---|---|
|  EN 342:2017 0,425 (B) 2 X |  |  |
| Protective clothing – Ensembles and garments for protection against cold I_{cler} 0,425 m² K/W (B) AP – class 2 WP – X* (resistance to water penetration) *X indicates that the clothing has not been tested | Clothing meets the essential requirements for personal protective equipment, contained in the Regulation of the European Parliament and of the Council of the European Union 2016/425 dated 9 March 2016. | Before using, read the contents of this instructions for use. |

Table 1. Resultant effective thermal insulation of clothing I_{cler} and ambient temperature conditions for heat balance at different durations of exposure. Results given in Celsius scale (°C).

| Insulation I _{cler} m ² ·K/W | Wearer standing | | | |
|--|-----------------|--------|-------|-------|
| | Air velocity | | | |
| | 0,4 m/s | | 3 m/s | |
| | 8h | 1h | 8h | 1h |
| 0,425 | 2,64 | -14,59 | 10,39 | -5,47 |

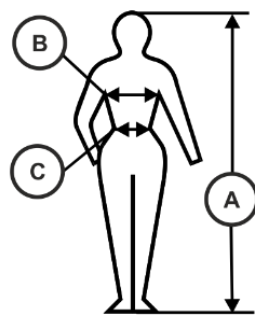
Table 2. Resultant effective thermal insulation of clothing I_{cler} and ambient temperature conditions for heat balance at different activity levels and durations of exposure. Results given in Celsius scale (°C).

| Insulation I _{cler} m ² ·K/W | Wearer moving activity | | | | | | | |
|--|-----------------------------|--------|-------|--------|-----------------------------|--------|--------|--------|
| | medium 170 W/m ² | | | | medium 170 W/m ² | | | |
| | Air velocity | | | | | | | |
| | 0,4 m/s | | 3 m/s | | 0,4 m/s | | 3 m/s | |
| | 8h | 1h | 8h | 1h | 8h | 1h | 8h | 1h |
| 0,425 | -12,66 | -31,81 | -2,66 | -19,14 | -33,71 | -53,57 | -19,41 | -36,93 |

Body dimensions to the size of protective clothing






In order to properly choose the size of clothing, use the information in the size table. Body measurements should be made at the places marked in the figure below.

Size table (dimensions are given in centimeters)

| | Size | Height (A) | Chest size (B) | Waist size (C) |
|---|---------|------------|----------------|----------------|
|  | 002/S | 164-170 | 88-92 | 80-84 |
| | 003/M | 170-176 | 92-96 | 84-88 |
| | | 170-176 | 96-100 | 88-92 |
| | 004/L | 176-182 | 100-104 | 92-96 |
| | | 176-182 | 104-108 | 96-104 |
| | 005/XL | 182-188 | 108-112 | 104-108 |
| 182-188 | | 112-116 | 108-116 | |
| 006/XXL | 188-194 | 116-120 | 116-120 | |
| | 188-194 | 120-124 | 120-128 | |

Maintenance

Do not wash clothing with other clothing. Use the following maintenance procedures:

| | | | | |
|---|---|--|---|--|
|  |  |  |  |  |
| Maximum washing temp. 40°C – normal process | Do not bleach | Tumble drying possible – lower temperature. Max. exhaust temp. 60°C | Iron at max. sole-plate temperature of 110°C | Professional dry cleaning in tetrachloroethene and all solvent listed for the symbol F, normal process |