

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Protective Clothing**

with type designation(s)
AlphaTec VPS Type T-ET (previously Trellech)

Issued to
Ansell Protective Solutions AB
Malmö, Skåne Län, Sweden

is found to comply with
DNV GL rules for classification – Ships
DNV GL offshore standards
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2019-01-22**

for **DNV GL**

This Certificate is valid until **2021-10-16**.

DNV GL local station: **Gothenburg**

Approval Engineer: **John Alan Walton**

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Jörg Kallies
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-024352-3**
Certificate No: **TAF00000GJ**
Revision No: **1**

Product description

The AlphaTec®VPS type T-ET chemical protective clothing is classed as a Type 1b gas-tight chemical protective suit with a breathable air supply worn outside the chemical protective suit. Type T-ET is fitted with a HCR Zipper and may be used by emergency teams.

Non-encapsulating suit to be used with positive pressure breathing apparatus (complying with EN136 & EN137). Use of AlphaTec Mini Hood or SCBA cover is recommended, alternatively permanently attached Dräger Panorama Nova EPDM or Interspiro Spiromatic or Frenzy Panoramasque full face mask.

Integral socks/booties in the suit material or attached Nitrile rubber Fireman SA boots. Socks version must be used with additional protective boots of approved type.

Gastight HCR zipper in the left side reaching from top of the hood till left thigh.

Bayonet ring system with attached gloves: AlphaTec 38-628 Viton/Butyl rubber gloves in combination with Ansell Barrier 02-100 inner gloves or other suitable outer gloves.

A suit ventilation system controlled with AlphaTec ventilation regulation valve Type T is fitted as standard. An extra overpressure valve may be added on the right side of the chest as an option.

The garment material is a nylon fabric, coated on the outside with chloroprene rubber and on the inside with a layer of chloroprene rubber and a polymer barrier laminate. Standard colour is yellow with an option for black/anthracite.

The available sizes are XXS - XXXL.

Manufactured by Ansell Protective Solutions Lithuania, UAB, Pramonės 5K; LT-72328 Tauragė, Lithuania.

Application/Limitation

As required by SOLAS 1974 as amended, Ch. II-2 Reg.19.3.6.1 and IMO IBC Code, Ch.14.1.

Achieved performance levels of the protective clothing material - EN 943-1:2015

Abrasion resistance (EN530)	Class 6
Flex cracking resistance (EN ISO 7854 Method B)	Class 6
Flex cracking resistance at -30°C (ISO 7854 Method B)	Class 5
Trapezoidal tear resistance (EN ISO 9073-4)	Class 3
Tensile strength (EN ISO 13934-1)	Class 6
Puncture resistance (EN 863)	Class 3
Resistance to flame (EN 13274-4)	Class 3
Seam strength (EN 13935-2)	Class 6

The applicant's instructions for use, storage, transport, maintenance and the applicant's recommendations and restrictions for use are to be complied with. See the Classification Appendix to EC Type Examination Certificate No. DK-0200-PPE-04538 version 1.

Type Approval documentation


EC Type Examination Certificate No. DK-0200-PPE-04538 version 1 issued 2018-07-12 by FORCE Certification A/S.

User manual AlphaTec VPS.

Tests carried out

EN 943-1:2015 + FprA1:2018

EN943-2-2002 + FprEN 943-2:2018



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Marking of product

The markings are to be in accordance with EN 943-1:2015 Para 7.

The product or its packing shall as a minimum be marked with the company's name, trade mark and the same type designations as given in the TA certificate for traceability. The marking shall be permanent and unique.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.