

FIOH  
Finnish Institute of Occupational Health Department of Physics  
notified by the Ministry of Labour and identified under 0403  
grants

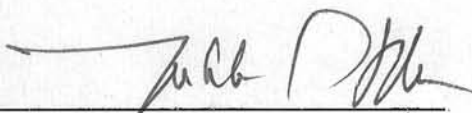
# EC TYPE EXAMINATION CERTIFICATE EXTENSION

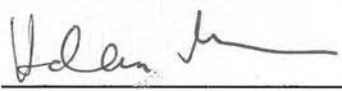
No. 95265S02

for variable volume suit for diving  
**URSUIT® Heavy Light FZ**  
Ursuk Oy  
Turku, Finland

This product complies with Directive 89/686/EEC

1945  
Vantaa, 1 February 1999

  
\_\_\_\_\_  
Jukka Starck  
Director of the Department

  
\_\_\_\_\_  
Helena Mäkinen  
Senior Researcher



## 1. Applicant

Ursuk Oy  
Teollisuuskatu 34  
PL 15  
20521 Turku  
Finland

## 2. Description and identification of the product

Type: Variable volume suit for diving

Name: Ursuit Heavy Light FZ

Description: A one piece variable volume suit for diving made of a black trilaminate nylon-butyl rubber-nylon fabric with attached neoprene hood, attached neoprene boots, watertight zipper running from left shoulder to right hip, integral suspenders, inlet and outlet valves with hoses. Natural rubber reinforcements on the knees. Two layers of fabric on the seat. Latex neck and wrist seals. Elastic traps attached to the back to be pooled over the crotch and fastened at the front with a snap lock. The suit shall be used according to the user's manual with appropriate gloves.

Size: Height 152-200 cm, chest girth 90-130 cm, boot size 39-46 (Scandinavian)

Manufacturer: Ursuk Oy

Pictures of the product are on the page 3.

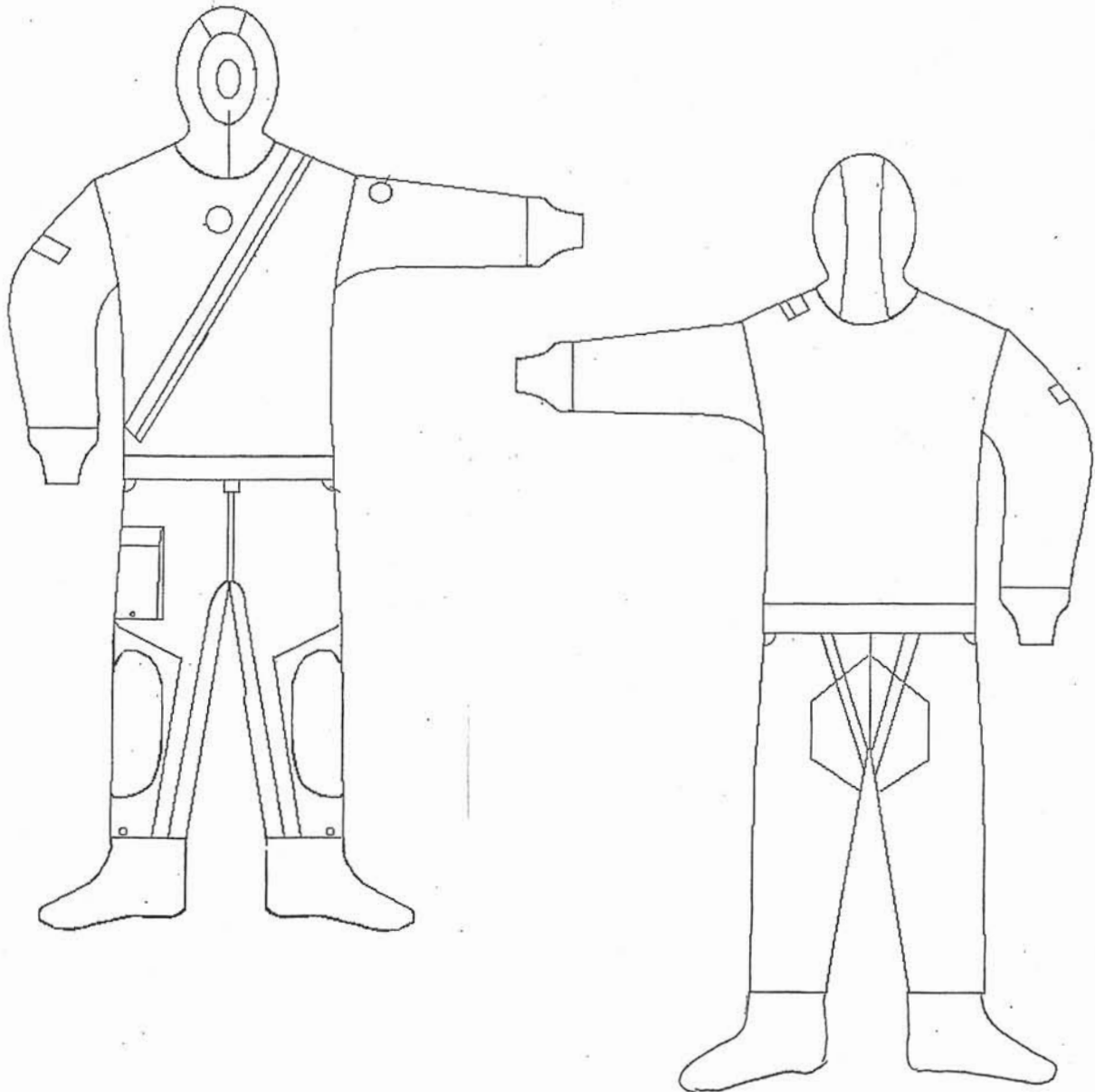
## 3. Alterations to the original product (EC type examination certificate No. 95265S01)

Ursuit® Heavy Light BZ has the same design and construction as Ursuit® 2520 Pro (certificate 95265S01) with the following changes:

1. thinner material
2. natural rubber reinforcements on the knees has been added
3. thigh pocket and D-rings on both sides have been added
4. two fabric layers on the seat
5. new seam sealing tape
6. new glue



Pictures of the product:





#### **4. Adequacy and validity of the technical documentation**

The documents referred to and assessment in EC type examination certificate 95265S01 do apply. The modification of the product is documented adequately. The new documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. The material of the modified product has been tested by valid testing methods in an accredited laboratory. The model of the product supplied by the applicant conforms with the technical documentation.

#### **5. Compliance with basic health and safety requirements**

The modification carried out on the model being the subject of this certificate extension do not bring into question its conformity with the essential requirements which were taken into consideration when the basic EC type examination certificate was granted to the product.

#### **6. Summary**

The modified product and the technical documentation relating to it complies with the relevant basic health and safety requirements stated in Directive 89/686/EEC as amended by 93/95/EEC, 93/68/EEC and 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type examined product must be brought to the attention of FIOH.

Appendix 1. Technical documentation

End of EC type examination certificate no 95265S02.



## Technical documentation regarding EC type examination certificate 95265S02

Product name: Ursuit Heavy Light FZ

Manufacturer: Ursuk Oy

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	99-01-08	Contains relevant information
2. Draft EC declaration of conformity	99-01-08	Add the number of this certificate
3. Product drawing, construction list of the product and materials used	Description and identification of the product Drawings of the product Details of the product (in Finnish) Material list (in Finnish) Material data sheet Description of the seam sealing tape Safety data sheet of the glue List of alterations (in Finnish) See certificate 9526501 in other product specifications	Product, materials and accessories are identified.
4. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on certificate 95265S01 and reports mentioned below items 4.1-4.2	
4.1 User's reports	Reports from use from six diving groups in Finland and Sweden	The customer response is favorable
4.2 FIOH test report	98178T01, 98-06-29	The puncture resistance of materials and the seam strength were acceptable
5.1 Description of the production quality system	SFS laatusertificaatti 1172-03, ISO 9002, 98-02-12	Production quality system documentation is adequate.
5.2 Description of product control and test facilities	Greengate-teippauksen tarkastus, ohje 24/030, 99-01-05 Prosessin ohjaus: Liimaus 97-11-20 See certificate 95265S01	Product control is adequate specified



6.1 Draft information sheet	Ursuit Heavy Light FZ, Ursuit Heavy Light BZ, Ursuit 2520 Pro ja Ursuit 2512 Std säätötilavuuspuvun käyttöohjeet	The information is relevant.
6.2 Product markings	Marking of Ursuit säätötilavuuspuku	The marking fulfils the requirements of the Directive 89/686/EEC and standard EN 340:1993.



## Technical documentation regarding EC type examination certificate 95265S02

Product name: Ursuit Heavy Light FZ

Manufacturer: Ursuk Oy

Document date: 01-03-28

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	99-01-08	Contains relevant information
2. Draft EC declaration of conformity	99-01-08	Add the number of this certificate
3. Product drawing, construction list of the product and materials used	Description and identification of the product Drawings of the product Details of the product (in Finnish) Material list (in Finnish) Material data sheet Description of the seam sealing tape Safety data sheet of the glue List of alterations (in Finnish) See certificate 9526501 in other product specifications <i>Alfred O. Ferguson&amp;CO.LTD product description 2ply butyl laminate N100N</i>	Product, materials and accessories are identified.
4. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on certificate 95265S01 and reports mentioned below items 4.1-4.2	
4.1 User's reports	Reports from use from six diving groups in Finland and Sweden	The customer response is favorable
4.2 FIOH test report	98178T01, 98-06-29	The puncture resistance of materials and the seam strength were acceptable
5.1 Description of the production quality system	SFS laatusertifikaatti 1172-03, ISO 9002, 98-02-12	Production quality system documentation is adequate.



5.2 Description of product control and test facilities	Greengate-teippauksen tarkastus, ohje 24/030, 99-01-05 Prosessin ohjaus: Liimaus 97-11-20 See certificate 95265S01 <i>SGS ISO 9002 certificate no Q4383 for Ferguson Polycon Limited 95-01-24 and assessment schedule 01-02-22</i>	Product control is adequate specified
6.1 Draft information sheet	Ursuit Heavy Light FZ, Ursuit Heavy Light BZ, Ursuit 2520 Pro ja Ursuit 2512 Std säätötilavuuspuvun käyttöohjeet	The information is relevant.
6.2 Product markings	Marking of Ursuit säätötilavuuspuku	The marking fulfils the requirements of the Directive 89/686/EEC and standard EN 340:1993.