

# Attestation of Conformity

## Certificate No.: FC-AOC-Thanner-ISO 15738-006 version 2

This is to certify that: FORCE Certification A/S did undertake the relevant evaluation for the type of equipment identified below which was found to be in compliance with the requirements of ISO 15738:2019 second edition issued 2019-07-05 - Ships and marine technology - Gas inflation systems for inflatable life-saving appliances, subject to any conditions in the appendix attached hereto.

Manufacturer: **Thanner A/S, Randersvej 8-10, DK-6700 Esbjerg, Denmark**

Product designation: **Pressure-relief valve - OTS-45**

Marking of equipment: **According to colour "Dot" code on valve.**

Drawings: **See complete list and photo**

Test reports: **Tested under surveillance by FDC at the manufacturer on 02.10.1998, file no. 110558/m144-496**

Surveillance: **According to Surveillance Agreement 80.971.1-001/02**

Specified standard(s): **ISO 15738:2019, Clause 8.2**

The attached appendix forms a part of this certificate. Documentation for observance of relevant requirements and the basis for the evaluation are described in the appendix to this certificate. This certificate will remain valid unless suspended, expired or withdrawn, provided the conditions in the attached appendix are complied with. The manufacturer shall inform FORCE Certification A/S of any contemplated changes.

This certificate replaces the former version FDC-Thanner-ISO 15738-006 issued 2002-06-20 due to design change of the silicone packing and valve piston. The Assessment of Conformity Certificate is valid until the product is altered or modified or the surveillance agreement is cancelled.

Date of issue: **2023-12-05**

Date of expiry: **2028-12-05**

  
**Kasper Munk Eliassen**  
Certification Manager

  
**Allan Laursen**  
Examiner

FORCE Certification A/S task No.: **123-34921** / Certificate ID: **16247**

## Appendix to Attestation Conformity

ISO 15738:2019 - Ships and marine technology - Gas inflation systems for inflatable life-saving appliances

Certificate No.: FC-AOC-Thanner-ISO 15738-006 version 2  
Issued by FORCE Certification A/S

Page 1 of 3

|                        |   |
|------------------------|---|
| Manufacturer:          | <b>Thanner A/S, Randersvej 8-10, DK-6700 Esbjerg, Denmark</b>                                       |
| Product designation:   | <b>Pressure-relief valve - OTS-45</b>   |
| Marking of equipment:  | <b>According to colour "Dot" code on valve.</b>   |
| Drawings:              | <b>See complete list and photo</b>  |
| Test reports:          | <b>Tested under surveillance by FDC at the manufacturer on 02.10.1998, file no. 110558/m144-496</b> |
| Surveillance:          | <b>According to Surveillance Agreement 80.971.1-001/02</b>  |
| Specified standard(s): | <b>ISO 15738:2019, Clause 8.2</b>   |

### Photo of products:



## Appendix to Attestation Conformity

ISO 15738:2019 - Ships and marine technology - Gas inflation systems for inflatable life-saving appliances



Certificate No.: FC-AOC-Thanner-ISO 15738-006 version 2  
Issued by FORCE Certification A/S

Page 2 of 3

### Place(s) of production:

Where the equipment is manufactured or assembled:

Company:

Address:

- Thanner A/S

Randersvej 8-10, DK-6700 Esbjerg, Denmark

### Limitations/restrictions:

Specific requirements or any other condition of validity: The validity of this Attestation Conformity certificate relies on yearly surveillance visits according to Surveillance Agreement 3155-01. Reports from surveillance audits must be stored and presented on demand.

Installation shall be conducted strictly in accordance with the installation manual as supplied by Thanner A/S.

### Technical documentation:

The following documentation was available

### Drawings:

| Detail:                     | Drawing no.: | Modification: | App. date: |
|-----------------------------|--------------|---------------|------------|
| For clamping                | 45-000       | C             | 2023-04-12 |
| Assembly drawing/Parts list | 45-001 E     | D             | 2023-04-19 |
| Nut                         | 45-003       | D             | 2012-08-24 |
| Washer                      | 45-004       | D             | 2012-08-24 |
| Valve Piston                | 45-005       | D             | 2022-10-31 |
| Grid                        | 45-006       | B             | 2019-12-18 |
| Cap                         | 45-012       | D             | 2012-08-12 |
| Valve basis                 | 45-017       | A             | 2012-08-24 |
| Silicon seal                | 45-019       | None          | 2022-11-30 |

| Colour code: | Closing pressure: | Min Tolerance: | Max Tolerance: | -5% +10% |
|--------------|-------------------|----------------|----------------|----------|
| Orange       | 0.035 bar         | 0.033          | 0.045          |          |
| Blue         | 0.070 bar         | 0.070          | 0.090          |          |
| Brown        | 0.145 bar         | 0.140          | 0.170          |          |
| White        | 0.158 bar         | 0.150          | 0.180          |          |
| Yellow       | 0.200 bar         | 0.190          | 0.230          |          |
| Purple       | 0.220 bar         | 0.210          | 0.250          |          |
| Red          | 0.240 bar         | 0.230          | 0.270          |          |
| Blue + Green | 0.500 bar         | 0.475          | 0.550          |          |

## Appendix to Attestation Conformity

ISO 15738:2019 - Ships and marine technology - Gas inflation systems for inflatable life-saving appliances



Certificate No.: FC-AOC-Thanner-ISO 15738-006 version 2  
Issued by FORCE Certification A/S

Page 3 of 3

### History:

| Issue/change:   | Certificate No.:  | Certificate ID: | Task No.  | Issue date: |
|---|---|-----------------|-----------|-------------|
| Original certificate  | FDC-THANNER-ISO 15738-006<br>(Issued by FORCE-Dantest CERT) | -               | -         | 2002-06-20  |
| Update due to design change of silicone seal 45-019 and on valve piston 45-029, new certificate format. | FC-AOC-Thanner-ISO 15738-006 version 2                      | 16247           | 123-34921 | 2023-12-01  |

### Conclusion:

Based on the above-mentioned attestation it can be concluded that the equipment, designated "Pressure-relief valve, OTS 45", was found to be in compliance with the requirements of ISO 15738:2019, Clause 8.2.