

# Attestation of Conformity

**Certificate No.: DK-FC-15738-009K**

According to ISO 15738, second edition 2019-07-05, attestation of conformity certificate is issued to:

Manufacturer: **Thanner A/S, Randersvej 8-10, DK-6700 Esbjerg, Denmark**  
 For equipment: **Gas-cylinder operating head DK 99 series**  
 Category: **Gas Inflation Systems for inflatable life-saving appliances**  
 Product designation: **Gas-cylinder operating head DK 99 in normal version and DK 99S in short version, with one or two outlets designated by -1 and -2 and without and with external screw thread at the top body designated by V**

Drawings:

Detail/part	Drawing no	Modification	Date
Assembly drawing & parts list DK99S-2	99-003	D	19-11-2019
Assembly drawing & parts list DK99S-1	99-014	D	19-11-2019
Assembly drawing & parts list DK99S -2x3/8" (90°)	99-018	E	08-03-2021
Assembly drawing & parts list DK99S-1 V	99-022	D	20-11-2019
Assembly drawing & parts list DK99S-1 V	99-024	B	20-11-2019
Assembly drawing & parts list DK99-2x3/8"	99-047	G	20-11-2019
Assembly drawing & parts list DK99-2x 3/8" DSB	99-077	F	20-11-2019
Assembly drawing & parts list DK99-2x3/8" BSP ø7	99-097	D	20-11-2019
Assembly drawing & parts list DK99S-2 70° V	99-159	D	22-11-2019
Assembly drawing & parts list DK99-1-S forniklet	99-172	D	22-11-2019
Assembly drawing & parts list DK99S-1 Nikkel plated	99-211	C	22-11-2019
Assembly drawing & parts list DK99S-2 90° V	99-215	B	22-11-2019
Assembly drawing & parts list DK99S-1 x3/8"	99-241	B	23.11.2019
Assembly drawing & parts list DK99S-1P	99-277	None	11-10-2023
Assembly drawing & parts list DK99S-2 1/4 " BSP	99-284	None	11-02-2025
Assembly drawing & parts list DK99-2 1/4 " BSP	99-286	None	11-02-2025

See complete list and photos in appendix

Specifications: **Body in hot-pressed copper-zinc alloy for all variations of branch sockets**  
 Marking: **THANNER DK 99-1, DK 99-2, DK 99-S and serial number**  
 Test reports: **FORCE Technology file no. m1445-176862.b and m1445-206670  
 FORCE-Dantest CERT file No. 80.935-175/007**  
 Design change: **FORCE-Dantest CERT file No m1445-226112 and 80.935-175/007  
 FORCE Certification A/S file No. 80.835-218/08 and 80.835-367/10**  
 Surveillance: **According to Surveillance Agreement 80.971.1-001/02**  
 Manufacturer: **Thanner A/S with sub-suppliers as stated in the appendix to this Conformity Assessment Certificate**  
 Version: **This certificate replaces the previously issued Certificate No. DK-FC-15738-009J issued 2023-12-18**

The gas-cylinder operating head designated DK 99-1, DK 99-2, DK 99-S fulfill the requirements in ISO 15738, second edition 2019-07-05, clause 6. The Assessment of Conformity Certificate is valid until the product is altered or modified or the surveillance agreement is cancelled.

Date of issue: **2025-04-11**  
 Date of expiry: **2028-11-17**

  
**Kasper Munk Eliassen**  
 Certification Manager

  
**Allan Laursen**  
 Examiner

FORCE Certification A/S task No.: **125-24841** / Certificate ID: **0200-MarED-16427-2**

# Appendix to Attestation Conformity Marine Equipment DK99



Certificate No.: **DK-FC-15738-009K**  
Issued by FORCE Certification A/S

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

For equipment: **Gas-cylinder operating head DK 99 series**

Category: **Gas Inflation Systems for inflatable life-saving appliances**

Product designation: **Gas-cylinder operating head DK 99 in normal version and DK 99S in short version, with one or two outlets designated by -1 and -2 and without and with external screw thread at the top body designated by V**

Design: **Normal versions: DK99-2  
Short versions: DK99S-1, DK99S-2, DK99S-1 V, DK99S-2 V**



Manufacturer: **Thanner A/S with sub-suppliers as stated in the appendix to this Attestation of Conformity Certificate.**

## Appendix to Attestation Conformity Marine Equipment DK99



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### Drawings:

Detail/parts	Drawing no	Modification	Date
Meassure drawing DK99S-2 x3/8" (70°) plated	99-000	None	10.10.07
Meassure drawing DK99S-2x3/8"(90°) plated	99-008	None	16.05.12
Meassure drawing DK99S-1 x3/8"	99-015	None	17.04.17
Meassure drawing DK99S-2x3/8"(90°)	99-019	B	09.03.21
Meassure drawing DK99S-1 x3/8" V	99-021	None	17.04.07
Meassure drawing DK99S-1 x3/8" V	99-023	None	07.06.12
Meassure drawing DK99-2 x3/8" (70°)	99-046	B	20.01.03
Meassure drawing DK99-2 x3/8" DSB	99-078	B	30.11.04
Meassure drawing DK99S-1 x3/8"-18NPSM (F) plated	99-094	None	06.06.13
Meassure drawing DK99-2 x3/8" ø7	99-096	A	06.07.05
Meassure drawing DK99S-2x3/8"(90°)	99-150	None	20.01.12
Meassure drawing DK99S-2 x3/8" (70°)	99-160	None	11.03.08
Meassure drawing DK99S-1 x3/8" plated	99-173	None	22.05.08
Meassure drawing DK99S-1 x3/8" plated	99-212	None	15.04.09
Meassure drawing DK99S-2x3/8"(90°) V	99-216	None	30.07.09
Meassure drawing DK99S-1 x3/8"	99-242	A	04.11.19
Assembly drawing & parts list DK99S-2 x3/8" (70°) plated	99-003	D	19.11.19
Assembly drawing & parts list DK99S-2x3/8"(90°) plated	99-007	A	19.11.19
Assembly drawing & parts list DK99S-1 x3/8"	99-014	D	19.11.19
Assembly drawing & parts list DK99S-2x3/8"(90°)	99-018	E	08.03.21
Assembly drawing & parts list DK99S-1 x3/8" V	99-022	D	20.11.19
Assembly drawing & parts list DK99S-1 x3/8" V	99-024	B	20.11.19
Assembly drawing & parts list DK99-2 x3/8" (70°)	99-047	G	20.11.19
Assembly drawing & parts list DK99-2 x3/8" DSB	99-077	F	20.11.19
Assembly drawing & parts list DK99S-1 x3/8"-18NPSM (F) plated	99-093	B	20.11.19
Assembly drawing & parts list DK99-2 x3/8" ø7	99-097	D	20.11.19
Assembly drawing & parts list DK99S-2x3/8"(90°)	99-151	A	22.11.19
Assembly drawing & parts list DK99S-2 x3/8" (70°)	99-159	D	22.11.19
Assembly drawing & parts list DK99S-1 x3/8" plated	99-172	D	22.11.19
Assembly drawing & parts list DK99S-1 x3/8" plated	99-211	C	22.11.19
Assembly drawing & parts list DK99S-2x3/8"(90°) V	99-215	B	22.11.19
Assembly drawing & parts list DK99S-1 x3/8"	99-241	B	23.11.19
Assembly drawing & parts list DK99S-1P	99-277	None	11-10-2023
Assembly drawing & parts list DK99S-2 1/4 " BSP	99-284	None	11-02-2025
Assembly drawing & parts list DK99-2 1/4 " BSP	99-286	None	11-02-2025

## Appendix to Attestation Conformity Marine Equipment DK99



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### Drawings continued:

Drawings	Drawing no	Modification	Date
Safety cap	20-013.2	C	20.01.15
Rf.talurit Ø4,5	20-017	B	08.02.13
Spring	70-009	C	18.06.08
Seal washer	70-029	None	28.03.01
nut	70-032	A	04.03.10
Impact peg	99-001	L	06.05.21
Body DK99-2 (70°) uformiklet	99-010	K	09.05.17
body DK99S 1	99-011	F	09.08.17
Impact peg	99-012	I	24.03.14
Body DK99 S 1 V	99-020	F	15.02.21
Body 70°	99-026	F	28.01.13
Impact peg	99-030	L	05.11.15
Release top	99-044	D	19.08.14
Release top complet	99-045	G	10.12.18
Release top complet	99-067	D	02.12.15
Nut	99-070	D	08.08.08
Body	99-076	F	28.01.13
Nut DK99S ø26	99-081	D	06.01.14
Nut DK99S ø28	99-083	I	06.01.14
Nut DK99S ø28	99-088	D	06.01.14
Body DK99 3/8"-18 NPSM (F) 60°	99-092	None	06.06.13
Body ø7	99-098	C	29.08.23
Nut DK99S ø28 Plated	99-110	None	17.06.08
Body DK99S-V-70°	99-147	F	09.05.17
Body S 2x3/8" 90° vacuum	99-148	F	28.01.12
body 2x90° 3/8" BSP	99-149	C	28.01.13
body 2x90° 3/8" BSP	99-152	None	10.12.15
body plated DK99-1S	99-171	None	22.05.08
label	99-174	None	09.09.08
Release top complet	99-204	C	10.12.18
Buch for release toggle	99-210	A	18.08.16
Wire complet 80 mm	99-244	C	22.10.19
Wire complet 120 mm	99-262	None	18.11.19
Body DK99S-1P	99-276	None	24-08-2023
Meassure drawing DK99S-1P	99-278	None	11-10-2023
Body Vacuum DK99S-1PV	99-280	None	12-12-2023
Body DK99S-2 1/4 " BSP	99-217	None	27.01.2025
Body DK99-2 1/4 " BSP	99-219	None	11.02.2025
QA 2045		13	04.06.20

### Instruction manuals

Detail/part	QA doc. No.	Issue no.	Date
Instruction manual for THANNER operating head DK99	2045	9	18-04-2012

### 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:** None.

## Appendix to Attestation Conformity Marine Equipment DK99



Certificate No.: **DK-FC-15738-009K**  
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### History:

Issue/change:	Certificate No.:	Certificate ID:	Task No.	Issue date:
Original certificate	DK-FC-15738-009A	-	-	2002-08-09
Renewal and update of information	DK-FC-15738-009B	-	-	2005-03-07
Renewal and update of information	DK-FC-15738-009C	-	-	2007-08-09
Renewal and update of information	DK-FC-15738-009D	-	-	2008-02-11
Renewal and update of information	DK-FC-15738-009E	-	-	2008-12-04
Renewal and update of information	DK-FC-15738-009F	-	-	2010-05-17
Renewal and update of information	DK-FC-15738-009G	-	-	2013-05-06
Renewal and update of information	DK-FC-15738-009H	-	118-22557	2018-05-06
Renewal of certificate and updated to new version of the standard ISO 15738, second edition 2019-07-05	DK-FC-15738-009I	16096	123-31116	2023-11-17
Adding new operating head system DK99S-1P and DK99S-1PV	DK-FC-15738-009J	16427	123-35158	2023-12-15
Design change of the operating head DK99S-2-1/4 BSP	DK-FC-15738-009K	0200-MarED-16427-2	125-24841	2025-04-11

### Conclusion:

Based on the above mentioned attestation it can be concluded that Life Saving Appliance fulfil the requirements in ISO 15738, second edition 2019-07-05, clause 6.