

Attestation of Conformity

Certificate No.: FDC-THANNER-ISO 15738-010 revision 9

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 adapter CV, CV DK99 and CV DK99S
Category:	Gas Inflation Systems for inflatable life-saving appliances
Drawings:	See complete list and photos in appendix
Specifications:	DK94, DK99 and DK99S, for pressure settings see appendix
Marking	P0200
Test reports	FORCE Technology file no. m1445-176862.c
Design change	FORCE Technology file no. m1445-271922 FORCE-Dantest CERT file no. 80.935-198/08 FORCE Technology file no. 114-21471.a
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. FDC-THANNER-ISO 15738 rev.7 issued 2019-03-13

The Gas-cylinder adapter CV, CV DK99 and CV DK99S 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: **2025-04-04**

Date of expiry: **2029-03-14**


Kasper Munk Eliassen
Certification Manager


Allan Laursen
Examiner

FORCE Certification A/S task No.: **125-25043** / Certificate ID: **0200-MarED-06072-9**

Appendix to Attestation Conformity

Marine Equipment CV, CV DK99 and CV DK99S

Certificate No.: **FDC-THANNER-ISO 15738-010 revision 8**
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Drawings DK94/ DK99 / DK99S

Remark: The Gas-cylinder valve CV DK 94 is similar to the Gas-cylinder valve type CV DK 99 except from the hexagonal span design.

Detail/part	Equipment	Drawing no	Modification	Date
Cyl. Adapter W19.8x1/14" DIN 477 plated	DK94	90-048	D	04.11.2008
Cyl. Adapter W19.8x1/14" DIN 477	DK94	90-056	none	08.08.2017
Cyl. Adapter W19.8x1/14" DIN 477	DK94	90-065	none	04.11.2008
Cyl. Adapter W28.8x1/14" DIN477 plated	DK94	90-181	none	25.09.2012
Cyl. Adapter NGT 1" DBC	DK94	90-200	C	16.12.2008
Cyl. Adapter W28.8x1/14" DIN477	DK94	90-266	A	10.05.2010
Cyl. Adapter 7/8" UNF	DK94	90-277	C	27.11.2015
Cyl. Adapter 3/4" NGT plated	DK99	99-029	none	04.06.2008
Cyl. Adapter W28.8x1/14" DIN477 RF	DK99	99-068	none	24.04.2007
Cyl. Adapter 3/4" -16 UNF plated	DK99	99-085	A	24.11.2015
Cyl. Adapter W28.8x1/14" DIN477 comp. air	DK99	99-105	A	23.01.2006
Cyl. Adapter W28.8x1/14" DIN477	DK99S	99-121	none	16.11.2006
Cyl. Adapter W28.8x1/14" DIN477	DK99S	99-122	none	16.11.2006
Cyl. Adapter W28.8x1/14" DIN477 plated	DK99S	99-123	none	28.11.2006
Cyl. Adapter W28.8x1/14" DIN477 comp. air	DK99S	99-128	none	18.12.2006
Cyl. Adapter 3/4" NGT	DK99S	99-140	none	22.03.2007
Cyl. Adapter W28.8x1/14" DIN477	DK99	99-156	none	16.01.2008
Cyl. Adapter W28.8x1/14" DIN477	DK99	99-158	none	06.03.2008
Cyl. Adapter W28.8x1/14" DIN477 plated	DK99S	99-162	none	07.04.2008
Cyl. Adapter W28.8x1/14" DIN477 comp. air plated	DK99S	99-239	none	14.09.2011

Pressure settings

Diaphragm code/part no	Nominal burst pressure	Tolerance	Modification	Date
A/005-719 (005-620.2)	250 Bar	245 - 270 Bar	D	28.05.2004
005-719.1	250 Bar	245 - 270 Bar	A	02.04.2025
B/005-620.3	230 Bar	230 - 255 Bar	D	02.02.2007
005-620.3.1	230 Bar	230 - 255 Bar	A	02.04.2025
C/005-620.4	400 Bar	400 - 460 Bar	D	03.09.2007
D/005-620.5	210 Bar	210 - 235 Bar	D	05.02.2007
005-520.5.1	210 Bar	210 - 235 Bar	A	02.04.2025
F/005-797	205 Bar	185 - 205 Bar	B	01.02.2007
005-797.1	205 Bar	185 - 205 Bar	A	02.04.2025
005-890	300 Bar	300 - 340 Bar	none	17.11.2005

Cylinder adapter & Syphon tube

Detail	Equipment	Drawing no.	Modification	Date
Cylinder adapter & Syphon tube	DK94	90-051	none	08.08.2017
Cylinder adapter & Syphon tube plated	DK94	90-054	A	14.06.2012
Cylinder adapter & Syphon tube plated	Dk94	90-180	A	17.06.2013
Cylinder adapter & Syphon tube	DK94	90-269	none	10.05.2010
Cylinder adapter & Syphon tube	DK94	90-334	A	14.06.2012
Cylinder adapter & DSB Syphon tube plated	DK99S	99-048	none	04.06.2008
Cylinder adapter & Syphon tube plated	DK99	99-084	none	05.09.2013
Cylinder adapter & Syphon tube	DK99S	99-143	A	27.10.2011
Cylinder adapter & DSB Syphon tube plated	DK99S	99-145	none	17.09.2007
Cylinder adapter & Syphon tube	DK99S	99-146	none	17.09.2007
Cylinder adapter & Syphon tube	DK99	99-157	none	06.03.2008
Cylinder adapter & Syphon tube	DK99S	99-163	A	05.12.2011
Syphon tube	DK99	005-624.0.4	D	14.06.2012

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Detail cylinder adapter

Detail	Equipment	Drawing no.	Modification	Date
Cyl stud 1" NPT /NGT	DK94	90-045	L	04.09.2018
Cyl. Adapter W28.8x1/14" plated	DK94	90-047	none	03.07.2018
Cyl. Adapter W28.8x1/14"	DK94	90-046	J	05.03.2013
Cyl. Adapter W28.8x1/14" DIN477 plated	DK94	90-179	A	23.05.2013
Cyl. Adapter W28.8x1/14" DIN477	DK94	90-265	I	25.11.2014
Cyl. Adapter 7/8" UNF	DK94	90-271	G	28.05.2018
Cyl adapter 3/4" NGT plated	DK94	99-035	A	05.09.2018
Cyl. Adapter W28.8x1/14" DIN477 RF	DK99	99-066	A	28.05.2018
Cyl adapter 3/4" -16 UNF plated	DK99	99-086	A	28.05.2018
Cyl. Adapter W28.8x1/14" DIN477 comp air	DK99	99-104	D	28.05.2018
Cyl. Adapter W28.8x1/14" DIN477 comp air	DK99S	99-118	D	05.09.2018
Cyl. Adapter W28.8x1/14" DIN477 plated	DK99S	99-129	A	05.09.2018
Cyl. Adapter W28.8x1/14" DIN477	DK99S	99-136	C	05.05.2018
Cyl adapter 3/4" NGT	DK99S	99-141	D	05.09.2018
Cyl. Adapter W28.8x1/14" DIN477	DK99	99-154	B	28.05.2018

Detail

Detail	Equipment	Drawing no.	Modification	Date
Syphon tube 250 mm	DK94/DK99	90-222	A	19.01.2007
Diaphragm house	Membraner	005-711	E	19.09.2005
Diaphragm disc	Membraner	005-712	E	03.05.2011
Diaphragm 240 bar	Membraner	005-618.2	B	09.07.2013
Diaphragm 230 bar	Membraner	005-618.3	B	09.07.2013
Diaphragm 210 bar	Membraner	005-618.5	B	09.07.2013
Fiber pakning	Membraner	005-619.0.1	C	21.08.2006
Diaphragm 400 bar fortinnet	Membraner	005-827	C	09.07.2013
Syphon tube DSB	DK99S	005-814	C	14.06.2012
Balle nippel	DK94/DK99	005-813	I	21.08.2006
Diaphragm 205 bar	Membraner	005-796	B	09.07.2013
Diaphragm disc	Membraner	005-891	none	17.11.2005
Cylinder valve	Membraner	005-775	None	04.03.2025
Diaphragm disc 240 bar ø15	Membraner	005-776	None	04.03.2025
Diaphragm disc 230 bar ø15	Membraner	005-776.3	None	01.04.2025
Diaphragm disc 210 bar ø15	Membraner	005-776.5	None	01.04.2025
Diaphragm disc 205 bar ø15	Membraner	005-796.1	None	01.04.2025

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Manuals

1. Instruction Manual for Thanner cylinder adapter DK94, DK99 and DK99S system, QA dok. Nr. 2057, Issue No. 13 dated 2018-10-17.
2. Code list for THANNER diaphragms holders, Q.A.dok. No. 0110, Issue No. 13 of 2025-01-04

Photos

Examples of look of gas-cylinder adapters

			
90-065	90-200	99-122	99-158

Place(s) of production:

Where the equipment is manufactured or assembled:

Company:

- Thanner A/S

Address:

Randersvej 8-10, DK-6700 Esbjerg, Denmark

Limitations/restrictions: None.

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History:

Issue/change:	Certificate No.:	Certificate ID:	Task No.	Issue date:
Original certificate	DK-0200-5.002.2/02	-	-	2003-05-27
Renewal and update of information	DK-0200-5.002.2.1/02	-	-	2006-11-22
Update of information and transfer to new certificate number	FDC-THANNER-ISO 15738-010 rev.2	-	-	2006-12-08
Update of information	FDC-THANNER-ISO 15738-010 rev.3	-	-	2008-01-23
Renewal and update of information	FDC-THANNER-ISO 15738-010 rev.4	-	-	2014-02-20
Update of information	FDC-THANNER-ISO 15738-010 rev.5	-	-	2014-03-13
Update of information	FDC-THANNER-ISO 15738-010 rev.6	-	-	2014-03-20
Renewal and update of information	FDC-THANNER-ISO 15738-010 rev.7	06072	119-24739	2019-03-19
Renewal of certificate and updated to new version of the standard ISO 15738, second edition 2019-07-05	FDC-THANNER-ISO 15738-010 rev. 8	16096	123-31116	2024-03-14
Adding new version of the membrane.	FDC-THANNER-ISO 15738-010 rev. 9	0200-MarED-06072-9	125-25043	2025-04-04

Conclusion:

Based on the above mentioned attestation it can be concluded that the Gas-cylinder adapter CV94, CV DK99 and CV DK99S for Gas Inflation Systems for inflatable life-saving appliances fulfils the requirements in ISO 15738, second edition 2019-07-05, clause 6.