



# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00001JF**  
Revision No:  
**17**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

## This is to certify:

**That the Automatically self-righting liferafts: inflatable**

with type designation(s)

**10DKS,10DKS S30,10DKS E  
12DKS,12DKS S30,12DKSN,12DKSN S30,12DKS E  
16DKS,16DKS S30,16DKSN,16DKSN S30,16DKS E  
20DKS,20DKS S30,20DKS E  
25DKS,25DKS S30,25DKSN,25DKSN S30,25DKS E  
39DKS,39DKS S30,39DKS E  
50DKS,50DKS S30,50DKS E,50DKS VENOC  
100DKS,100DKS S30,100DKS E,100DKS VENOC,100 DKSU,100DKS SBS  
150DKS,150DKS S30,150DKS E,150DKS SBS,150DKSU,150DKS VEDS**

Issued to

**Viking Life-Saving Equipment A/S  
Esbjerg V, Syddanmark, Denmark**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2021/1158**,

**item No. MED/1.14a SOLAS 74 as amended Reg. III/4, III/26, III/ 34 and X/3, LSA Code I, IV and 1994 HSC Code 8. 2020 HSC Code 8**

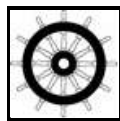
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-09-05**.

Issued at **Høvik** on **2021-09-06**

DNV local station:  
**Denmark CMC**

Approval Engineer:  
**Tessa Biever**



Notified Body  
No.: **0575**

for **DNV AS**

**Sverre Olav Bergli**  
**Head of Notified Body**



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

**LEGAL DISCLAIMER:** Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



## Product description

Automatic self-righting inflatable liferaft with the following type designations:

- 10DKS, 10DKS S30, 10DKS E
- 12DKS, 12DKS S30, 12DKSN, 12DKSN S30, 12DKS E
- 20DKS, 20DKS S30, 20DKS E
- 16DKS, 16DKS S30, 16DKSN, 16DKSN S30, 16DKS E
- 25DKS, 25DKS S30, 25DKSN, 25DKSN S30, 25DKS E
- 39DKS, 39DKS S30, 39DKS E
- 50DKS, 50DKS S30, 50DKS E, 50DKS VENOC
- 100DKS, 100DKS S30, 100DKS E, 100DKS VENOC, 100 DKSU, 100DKS SBS
- 150DKS, 150DKS S30, 150DKS E, 150DKS SBS, 150DKSU, 150DKS VEDS

Liferaft designs with type designation including S30 comply also with MSC.1/Circ. 1328 (extended service intervals).

## Application/Limitation

The liferafts are available with features added on to the existing type approved base raft:

**S30:** added to type designation e.g. 12 DKS S30. Liferaft environmentally packed to allow for extended service intervals up to 30 months. The life raft is subject to an annual onboard inspection.

**N:** added to type designation e.g. 12 DKSN. The liferaft is equipped with an improved "stairway" like boarding arrangement.

**VENOC:** added to type designation e.g. 50 DKS VENOC: The liferaft equipped with reduced SOLAS A emergency pack: 1 liter of drinking water per person is replaced by manually powered reverse osmosis desalinator according to LSA Code §4.1.5.1.19.

**E:** added to type designation e.g. 6 DK+ E. Environmental packed liferaft prepared for extended service intervals

**U:** added to type designation e.g. 100 DKSU. Liferaft used in combination with 'Undertun' MES system.

**SBS:** added to type designation e.g. 100DKS SBS. Liferaft used in combination with 'SBS' MES system (Simple Bowsing System).

**BWD:** added to type designation e.g. 12 DKS BWD - Bundeswehr Deutschland.

**VEDS:** added to type designation e.g. 150 DKS VEDS. The 150 DKS VEDS can only be used as an integrated liferaft of the VEDS MES-system.

Notes to below form Capacity and installation heights: Container type designation is given as 16-xxxx, and emergency packs SOLAS A or B is given as "A" and "B". "A\*" is SOLAS A emergency pack with desalter.

Listed liferaft types covers types S30, N, VENOC, E, U, SBS and BWD variants. Each size listed covers variations with the same capacity.

Liferaft type	18 m	22 m	25 m	30 m	33 m	35 m	36 m	60 m	Capacity
10 DKS 10 DKS S30 10 DKS E	A9046							A61xx	10 persons
12 DKS BWD 12 DKS BWD S30	A 9044 A 0119		A 0120 A 51xx						12 persons
12 DKS 12 DKS S30 12 DKS E	A 9046							A 61xx	12 persons
12 DKSN 12 DKSN S30	A 9044 A 0119		A 0120						12 persons
16 DKS 16 DKS S30 16 DKS E	A 9044							A 51xx	16 persons
16 DKSN 16 DKSN S30							A 52xx		
20 DKS 20 DKS S30 20 DKS E	A 9044						A 60xx	A 60xx	20 persons
25 DKS 25 DKS S30 25 DKS E			A 82xx				B 0162	A 86xx	25 persons
25 DKSN 25 DKSN S30	A 0162 B 0162 B 89xx		A 82xx				A 86xx		25 persons
39 DKS			A* 86xx				A 57xx		39 persons

39 DKS S30 39 DKS E			A* 77xx				B 54xx A 59xx		
50 DKS 50 DKS S30 50 DKS E 50 DKS VENOC	A* 57xx			A 0142 B 75xx B 57xx			A 76xx A 0142		51 persons
100 DKS 100 DKS S30 100 DKS E 100 DKSU 100 DKS SBS 100 DKS VENOC 100 DKS VEMC		A 0500 A 0501 A 0502 B 0530 B 0531 B 0532		A*88xx B 88xx	A 91xx	A* 97xx			101 persons
150 DKS 150 DKS S30 150 DKS E 150 DKSU 150 DKS SBS 150 DKS VEDS	A 92xx  A* 95xx A 0202	A* 98xx	A*Casette 1,2,3 B cassette 1,2,3		A* 91xx B 91xx				153 persons

**Towing strain:**

Liferaft type	Towing strain 2 knots	Towing strain 3 knots
10 DKS	0.58 kN	1.17 kN
12 DKS BWD	0.8 kN	1.3 kN
12 DKS	0.58 kN	1.17 kN
12 DKSU	0.8 kN	1.3 kN
16 DKS	0.68 kN	1.27 kN
16 DKSU	0.7 kN	1.4 kN
20 DKS	0.68 kN	1.37 kN
25 DKS	0.7 kN	1.4 kN
25 DKSU	0.7 kN	1.4 kN
39 DKS	1.57 kN	2.65 kN
50 DKS	1.37 kN	2.15 kN
100 DKS	1.1 kN	2.3 kN
150 DKS	1.7 kN	3.1 kN

The liferaft shall be packed with a SOLAS A PACK or SOLAS B PACK.

Gas cylinders shall be of an approved type.

Components in the gas inflation system should be approved according to ISO 15738:2019.

The liferaft is intended to be installed with external weak link and a hydrostatic release unit. Float free arrangement to be checked upon installation on board.

The design assessment is based on International Life-Saving Appliances (LSA) Code, IMO Res. MSC.48(66) as amended by IMO Res. MSC.218(82) and IMO Res. MSC.293(87).

Production testing shall be carried out according to IMO Res. MSC.81(70) part 2.

With ref. to 'Tests carried out' the liferafts including type designation S30 are approved for extended service intervals up to 30 months in accordance with SOLAS Ch. III, Regulation 20.8.3 on the condition that:

- Such extended service intervals has been approved by the ships flag administration.
- The liferafts are checked onboard in accordance with SOLAS Ch. III Regulation 20.8.3.2 at intervals in accordance with SOLAS Ch. III Regulation 20.8.1.1, according to procedures issued by the manufacturer
- The liferafts shall be serviced at approved servicing stations in accordance with the recommendations in IMO Res. A.761(18) at intervals not exceeding 30 months.

**Type approval documentation**

This certificate replaces MEDB00001JF Rev.16.

Drawings and parts lists as listed below:

Liferaft type	Parts list no.	Drawing no.
10 DKS, 10 DKS S30, 10 DKS E	ENG-20097161 Rev.0 (page 4/4)	ENG-20097161 Rev.0 (page 1-3/4) ENG-20070293 Rev.0 ENG-20070168 Rev.0
12 DKS, 12 DKS S30	43000435.000	43000435.001/002/003
12 DKS, 12 DKS S30	43001825.000	43001825.001/002/003
12 DKS, 12 DKS S30	43001870.000	43001870.001/002/003
12 DKS, 12 DKS S30	43002376.000	43002376.001/002/003
12 DKS BWD, 12 DKS BWD S30	43002448.000	43002448.001/002/003
12 DKS, 12 DKS S30, 12 DKS E	ENG-20070017 Rev.0 (page 4/4)	ENG-20070017 rev.0 (pages 1/4, 2/4, 3/4) ENG-20070293 Rev.0 ENG-20070168 Rev.0
16 DKS, 16 DKS S30, 16 DKS E	43002575.000	43002575.001/002/003
16 DKS, 16 DKS S30	43002546.000	43002546.001/002/003
20 DKS, 20 DKS E, 20 DKS S30	ENG-20068628 Rev.0 (page 4/4)	ENG-20068628 Rev.0 (pages 1/4, 2/4, 3/4) ENG-20070294 Rev.0 ENG-20070168 Rev.0 42000866.000.03
25 DKS, 25 DKS S30	43000334.000	43000334.001/002/003
25 DKS, 25 DKS S30	43000445.000	43000445.001/002/003
25 DKS Direct Boarding	43000542.000	43000542.001/002/003
25 DKS, DD-MES	43000547.000	43000547.001/002/003
25 DKS, 25 DKS S30	43001826.000	43001826.001/002/003
39 DKS, 39 DKS S30, 39 DKS E	43002375.000	43002375.001/002/003
50 DKS LS2	43000621.000	43000621.001/002/003
50 DKS, 50 DKS S30, 50 DKS E	43002438.000	43002438.001/002/003
50 DKS (35) RS	43002444.000	43002444.001/002/003
50 DKS NOR NAVY	43002447.000	43002447.001/002/003
50 DKS RS	43002464.000	43002464.001/002/003
50 DKS SBS	43002504.000	43002504.001/002/003
100 DKS Basic canopy no.1	42002623.000	42002623.000
100 DKS basic raft no.1	42002641.000	42002641.001/002/003
100 DKS basic raft no.2	42002693.000	42002693.001/002/003
100 DKS Basic canopy no.6	42002764.000	42002764.001/002/003
100 DKS Basic canopy no.2	42004381.000	42004381.001
100 DKS basic raft no.5	43001954.000	43001954.001/002/003
100 DKSU	43002470.000	43002470.001/002
100 DKS SBS	43002540.000	43002540.001/002/003
100 DKS VEMC	42005812.000	42005812.001/002
150 DKS, 150 DKS S30	43001922.000	43001922.001-009
150 DKS	43002482.000	43002482.001-009
150 DKSU	43002454.000	43002454.001-009
150 DKS SBS	43002488.000	43002488.000/002
150 DKS VEDS no.1	ENG-20088679	ENG-20088679 ENG-01493095
150 DKS VEDS no.2 and 3	ENG-20089158	ENG-20089158 ENG-20000210 ENG-20018468

### Tests carried out

Prototype tests and test reports in accordance with the Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC.81(70) part 1, including IMO Res. MSC.226(82), MSC.295(87) and MSC.323(89), have been witnessed and evaluated and found to be in compliance.

Tests and reports in accordance with test requirements listed in MSC.1/Circ.1328 item 5.4.2 -5.4.10 have been witnessed by DNV surveyor and evaluated and found to be in compliance (test report item 5.4.4 dd. 2009-09-01, item 5.4.6 dated 2009-10-29, item 5.4.7 dated 2009-10-28, item 5.4.8- 5.4.10 dated 2009-11-02/2009-11-04).

Tested according to the MarED recommendation for liferaft occupancy weight increase from 75 kg to 82.5 kg: test report nos. 1027-1029, 1228, 1395, 1451, 1497, 1509, 1534, 1544, 1554, 1581-1587, 1589, 1591-1593, 1595-1603, 1605-1617, 1620, 1622, 1627-1642, 1655-1657 and 1683-1685.

Prototype tests and test reports in accordance with IMO Res. MSC.81(70) part 1 for 39 DKS witnessed by DNV surveyor: 1484, 1485, 1620, 2043, 2080,1814,1406,1583,1631, 254a-c-d-e-f, 1584, 257b-c-d, 1585, 2078, 218, 219, 1948, 1413, 2079, 256a, 2120.

Prototype tests and test reports in accordance with IMO Res. MSC.81(70) part 1 for 10 DKS witnessed by DNVGL surveyor: 3596, 3428, 3538, 3539, 3597, 3598, 3802, 3803, 3363, 3542, 3543, 3509, 2911, 2926, 3011, 3012, 3085, 3086, 3626, 3559, 3579, 3554, 3555, 3595, 3351, 3610, 3534, 3556, 3557, 3447, 3805, 3471, 3472, 3810, 3011, 3452, 3804, 3345, 3558, 3318, 3487, 3348, 1905a, 1905b, 1418, 1905c, (ref. CAR 10 DKS Rev.1 dated 22 June 2021)

Prototype tests and test reports in accordance with IMO Res. MSC.81(70) part 1 for 12 DKS witnessed by DNVGL surveyor: 3596, 3428, 3538, 3539, 3597, 3598, 3363, 3542, 3543, 3509, 2911, 2926, 3011, 3012, 3085, 3086, 3626, 3559, 3579, 3554, 3555, 3595, 3351, 3610, 3534, 3556, 3557, 3447, 3471, 3472, 3452, 3345, 3558, 3318, 3487, 3348, 1905a, 1905b, 1418, 1905c, Material and component overview dated 2020-11-19, Seam strength tests overview iaw IMO Res. MSC.81(70), item 5.17.9.1 dated 2020-11-19, Appendix 2. (ref. CAR 12 DKS Rev.1 dated 15 January.2021).

Prototype tests and test reports in accordance with IMO Res. MSC.81(70) part 1 for 16 DKS witnessed by DNVGL surveyor: 100, 1410, 1418, 1809a, 1870, 1899, 1905a, 1905b, 1905c, 1993, 2025, 2689, 2690, 2691, 2752, 2873, 2876, 2878, 2880, 2881, 2884, 2885, 2911, 2926, 3011, 3012, 3085, 3086, 3126, 3129, 3130, 3135, 3156, 3182, 3186, 3187, 3190, 3211, 3212, 3223, 3224, 3225, 3226, 3227, 3223, 3255, 3318, 3319, 3320, 3322, 3323, 3324, 3325, 3428, 3429, 3430, 3432, 3488 (ref. CAR 16 DKS Rev.1 dated 23 October 2020)

Prototype tests and test reports in accordance with IMO Res. MSC.81(70) part 1 for 20 DKS witnessed by DNVGL surveyor:3594, 3428, 3546, 3547, 3601, 3602, 3364, 3550, 3551, 3510, 2911, 2926, 3011, 3012, 3085, 3086, 3617, 3591, 3592, 3588, 3589, 3593, 3352, 3611, 3536, 3590, 3338, 3448, 3473, 3474, 3453, 3451, 3339, 3318, 3489, 3349, 1905a, 1905b, 1418, 1905c, Material and component overview dated 2020-11-19, Seam strength tests overview iaw IMO Res. MSC.81(70), item 5.17.9.1 dated 2020-11-19, Appendix 2. (Ref. CAR 20 DKS Rev.1 dated 19 November 2020)

Prototype tests and test reports in accordance with IMO Res. MSC.81(70) part 1 for 150 DKS VEDS witnessed by DNVGL surveyor: 3298, 3299, 3303, 3300, 3301, 3302, 3305, 3807, 3290, 3312, 3806, 3808, 3415, 3304, 3840, 3416, 3286, 3287, 3297, 3295, 3296, 3292, 3291, 2870, 2871, 2877, 2882, 2883, 2889, 2752, 3288, 3289, 3324, 3479, 3480 and 3425. (Ref. CAR VEDS MES rev.3 dated 16 June 2021).

Test reports supporting the design changes can be found in the Appendix to this certificate.

## Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions, date of manufacture and the MED Mark of Conformity (see first page). The marking shall comply with the LSA Code Ch. 4.2.6 and 4.2.7.

## Appendix

Test reports supporting the following design changes:

Design change no.	Date	Subject	Test reports
10274	2010-03-22	Change from DKS to DKS	-
10299	2012-02-14	Liferaft type 50 DKS equipped for 35 persons.	Test report No.: - 1740
10314	2013-03-21	New Inflation System, M-07-UM- GISSERVO	Test report Nos.: - 1858, 1859, 1895, 1897
10315	2013-03-21	Change to Daniamant RL6 combi light	Test report Nos.: - 1881 ~1889
10316	2013-04-08	Plastic strapping around container, replacing bursting bands	Test report Nos.: - 1887, 1888, 1901, 1902, 1903, 1904
10319	2013-05-13	Installation height 35 m for 100 DKS VENOC	Test report Nos.: - 1731
10326	2014-03-24	New canopy material (Rivertex 4000 PES PU coated)	Test report Nos.: - 1899, 1912, 1803, 1993, 1870, 2015  Material Technical Report 1809 A dated 2012-10-25 from SATRA Technology Centre, UK
10330	2013-10-31	Installation height 35 m for 100 DKS	Test report Nos.: - 2023-2024
10339	2014-04-01	Plastic strapping – appendix to DC 10316	Test report Nos.: - 1887, 1888, 1901~1904
10345	2014-12-01	Replacing painter line for liferafts > 25 persons	Test report No.: - 2168
10348	2015-02-27	50 DKS downgraded (35 person@100 kg)	Test report No.: - 1740
10349	2015-04-22	50 DKS, change in location of the stabilizing pockets	Test report Nos.: - 2185, 2186
10359	2015-09-08	DKSU – 100 DKS modified to fit Undertun MES	Test report No.: - 2235
10362	2015-10-15	DKSU – 150 DKS modified to fit Undertun MES	Test report No.: - 2260
10371	2015-11-30	9800 container for 150 DKS A pack with desalter	Test report Nos.: - 2274, 2275
10378	2016-01-22	Fabric RBND6, new boarding ramp, introducing stabilizing pockets, handles for boarding, change floor to single layer, inner and outer lifelines	Test report Nos.: - 1532, 1573, 2252~2254
10389	2017-06-22	Containers for 100 DKS B-pack. Drawing Nos.: 16008569, 16008128, 16008133, 16008131, 16008570, 16008571	Test report Nos.: - 2507, 2508, 2509, 2514, 2515, 2516, 2522, 2607, 2608, 2609, 2610, 2611, 2612, 2725~2730
10392	2017-02-03	150 DKS: liferaft inflates outward, away from chute (when used as integrated liferaft for VEMC -MES system)	Test report Nos.: - 2532 (150 DKS reverse B-pack)
10396	2017-03-15	39 DKFS packed in container 016-8601	Test report Nos.: - 2460, 2468
10402	2017-01-20	Containers for 100 DKS A-pack Drawing Nos.: 16008569, 16008128, 16008133, 16008131, 16008570, 16008571	Test report Nos.: - 2427, 2429, 2430, 2431, 2432, 2434, 2438, 2475, 2476, 2477, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2500, 2528, 2725~2730
10419	2018-05-04	Packing procedure for liferaft 100 and 150 DKS and DKR used in SBS.	Test report Nos.: - 2739, 2740, 2743, 2583, 2624, 2625, 2628, 2738, 2741, 2744, 2731, 2735, 2736, 2742
10420	2018-05-18	Fabric NK300C from ContiTech	Test report Nos.: - 2595, 2596, 2667, 2733, 2734, 2673, 2674, 2688, 2682, 2683, 2767, 2768, 2675, 2676, 2677, 2678, 2668, 2669, 2686, 2687,

			<p>2692, 2685, 2693, 2684, 2752, 2689, 2690, 2691</p> <p>Additional buoyancy material (NK300C) supported by the following test reports:</p> <p>Prototype test in accordance with IMO Res. MSC.81(70), Part 1:</p> <ul style="list-style-type: none"> <li>- weft distortion dated 2017-12-18,</li> <li>- Test report no. 2747: Coating Adhesion dated 2018-04-13</li> <li>- Test report no. 2749: Oil resistance dated 2018-04-13</li> <li>- Test report no. 2750: Blocking resistance 2018-04-13</li> <li>- Laboratory test report no 1530100000 rev. 13 dated 2018-03-05 for NK300C by Contitech Laboratory Northeim, Germany witnessed by DNVGL surveyor</li> <li>- DNV GL verification statement N141GV0D dated 2018-03-15</li> </ul>
10421	2018-04-23	100 DKS SBS liferaft with slide entrance (identical to 150 DKS) Drawing no. 43002540.000 (3 sheets) dated 2018-02-06	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 781, 2753, 2754, 2755, 2756</li> </ul>
10422	2018-05-25	Signal Lamp - in box with spare bulb and battery	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 2456, 2458, 2464, 2466</li> </ul>
10424	2018-07-06	16 DKSN with average load of 110 kg per person	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 2764, 2775, 2776, 2766, 2774, 2255, 2077, 1685, 2785, 2765, 659, 1596, 1640, Canopy closure test (no rep no - dated 1997-11-20), 682, Weaklink test - Hammer certificate includes weaklink test, Damage test (no rep no - dated 1998-02-05), 2253, 2762, 2759, 2760, 2761, 1947, 2253, 225, 2116+2120, 1043, 2596, 2667, Buoyancy of float free liferafts (no rep no - dated 1998-02-04)</li> </ul>
10434	2018-10-08	Alternative hardener 'Desmodur RFE'	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 2834 (3x over pressure test)</li> <li>- 2828, 2829, 2830, 2831, 2833 (seam strength tests)</li> </ul>
10437	2018-12-10	Alternative hardener 'Beyond'	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 2905, 2914, 2915 (3 x overpressure test)</li> <li>- 2880, 2881, 2882, 2883, 2884, 2885 (seam strength test)</li> </ul>
10443	2019-04-23	Improved painter system for liferafts with capacity of 26 and more	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 3088, 3087, 2952, 2953</li> </ul>
10438	2019-04-23	Alternative hardener 'TM-93'	<p>Test report Nos.:</p> <ul style="list-style-type: none"> <li>- 2868, 2869, 2870, 2871, 2872, 2873, 2876, 2877, 2878, 2988, 2989, 2990, 3017, 3019</li> </ul>
10450	2019-04-12	Add container 9500 and 0202 to 18m for 150 DKS liferafts	<p>Test report No.:</p> <ul style="list-style-type: none"> <li>- 1535, 1536, 1538, 1539</li> </ul> <p>Drawing No.:</p> <ul style="list-style-type: none"> <li>- 16001051 Rev.03 dated 2017-01-20 (150 DKS Container VEDC 2.2/2.3 – (Raft 2 016-0202))</li> <li>- 16001552 Rev.02 dated 2017-01-20 (150 DKS A desalter container VEDC 2.3 Raft 1 (016-9500))</li> </ul>
10451	2019-04-23	Painter system with alternative hardener 'TM-93' and 'Beyond'	<p>Test report No.:</p> <ul style="list-style-type: none"> <li>- 3085, 3086</li> </ul>

10472a	2020-07-29	Additional variant of S30 add. liferaft 100- and 150 DKS.	Test report Nos.: - 3405 - A0504  Drawing Nos.: - ENG-20034227 - ENG-20034752 - ENG-20035264
10157	2003-10-24	25 DKS A-pack in 82xx container.	Test report Nos.: - 454  Drawing No.: - 42000683
10467	2020-07-03	39 DKS A-pack in 59xx container	Test report Nos.: - 3386,3387,3370, 3373, 3396, 3397  Drawing Nos.: - 42004500
10468	2020-07-03	50 DKS A-pack with desalter in 57xx container	Test report Nos.: - 3367, 3368, 3371, 3374, 3398, 3399  Drawing Nos.: - 42000795
10469	2020-07-02	150 DKS A-pack with desalter in 98xx container.	Test report Nos.: - 3388, 3389  Drawing Nos.: - 16007767
10470	2020-07-03	12 DKS A-pack in 51xx container	Test report Nos.: - 2379, 2380  Drawing Nos.: - 42000161
10471	2020-07-02	50 DKS A-pack in 0142 container	Test report Nos.: - 1986, 1987  Drawing Nos.: - 42000127
10475	2020-08-06	Drop height of 91xx container	Test report Nos.: - 1026, 3355, 3356, 3405  Drawing Nos.: - ENG-20048442 - ENG-20035264
10477	2020-09-22	50 DKS liferaft - alternative canopy with center entrance	Test report Nos.: - 3310, 3311, 3458, 3459, 3460, 3491, 3524  Drawing Nos.: - 43002504.000/001/002/003
10480	2020-09-22	100 DKS VEMC inflation	Test report Nos.: - 3445, 3446, 3455, 3456, 3466, 3467, 3468, 3469, 3470, 3490, 3507, 3508, 3513, 3525.  Drawing Nos.: - 42005812.000/001/002
10488	2021-01-18	100 DKS VEMC S30, A-pack	Test reports Nos.: - 3627 and 3628
10490	2021-02-08	Type 12 DKS changes to 12 DKS BWD Type 12 DKS S30 changes to 12 DKS BWD S30 (Type 12 DKS, 12 DKS S30, 12 DKS E is now reflecting a new design)	12 DKS 'old design' = 12 DKS BWD 12 DKS 'new design' = 12 DKS





Job Id: **344.1-003284-57**  
 Certificate No: **MEDB00001JF**  
 Revision No: **17**

10493	2021-06-22	12 DKS approved in low profile container	Test reports Nos.: - 3805, 3810, 3811, 3804, 3802, 3803  Drawing No. ENG-20096279
10494	2021-06-18	16 DKS approved in low profile container	Test reports Nos.: - 3744, 3812, 3813, 3758, 3792, 3793  Drawing No. ENG-20093408
10495	2021-06-18	20 DKS approved in low profile container	Test reports Nos.: - 3745, 3814, 3815, 3759, 3794, 3795  Drawing No. ENG-20093408
10501	2021-09-02	39 DKS approved in 77xx container	Test report Nos.: - 3852, 3853 - Hot and cold inflation tests dated Feb. 1998  Drawing No. ENG-20098130