



TYPE APPROVAL CERTIFICATE
No. MAC193323XG

This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Non metallic flexible hoses
<i>Type</i>	2807
<i>Applicant</i>	Danfoss Power Solutions II GmbH Dr. Reckeweg-Straße 1 76532 Baden-Baden GERMANY
<i>Manufacturer</i>	Danfoss Power Solutions II GmbH
<i>Place of manufacture</i>	Dr. Reckeweg-Straße 1 76532 Baden-Baden GERMANY
<i>Reference standards</i>	Part C, Chapter 1, Section 10 of RINA Rules

Issued in **HAMBURG** on **July 17, 2023**. This Certificate is valid until **July 16, 2028**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 2 enclosures.

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Reference documents

- Design Drawing of 2807 Series approved under RINA dwg no. HMMC-11254
- Test Reports filed for information under RINA dwg no. HMMC-11256

Materials/Components:

Inner tube: extruded PTFE Tube
Reinforcement: one or two stainless steel braid
End connections: crimp and reusable assemblies

Technical characteristics:

Min./Max. Working Temperature: -73 °C / +260 °C for 2807 Series
-54 °C / +230 °C for S-TW Series

Inner Diameter: 3.2 mm up to 28.6 mm

Standard: 100R14 - SAE J517

Maximum Pressure as per the following table:

1	4	5	6
Part Number	Inner Diameter [mm]	Outer Diameter [mm]	Operating Pressure [bar]
2807-3	3.2	6.8	207
2807-4	4.8	8.2	207
2807-5	6.4	10.1	207
2807-6	7.9	11.6	172
-	9.6	13.4	138
2807-8	10.3	14.3	138
2807-10	12.7	16.8	103/121
2807-12	15.9	20.1	83/103
-	19.1	23.3	69
2807-16	22.2	26.9	69
-	25.4	31.6	69
2807-20	28.6	33.5	43

Notes:

1. Hoses indicated in the column 3 have 316 stainless steel wire.

Fields of Application:

The hoses may be used for the following services:

- Fuel oil, lubricating oil and hydraulic oil systems
- Bilge and sea water systems
- Fresh and sea water cooling systems
- Compressed air systems

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Acceptance Conditions:

If this product is used on applications where high vibration level is expected, additional vibration test could be required at discretion of RINA surveyor as per Table 34 of Part C Chapter 1 Section 10 of RINA Rules.

This product is to be installed in order to satisfy the requirements stated in Article 5.9.3 of Part C, Chapter 1, Section 10 of RINA Rules.

The acceptance of this product on board ship classed by RINA is subject to the satisfactory outcome of testing as per Article 20.2.1 of Part C, Chapter 1, Section 10 of RINA Rules.

Remarks:

The installation on board is to be carried out by qualified personnel in accordance with the manufacturer's instructions.

This product is to be marked for traceability with the following data:

- nominal diameter
- design conditions
- manufacturer's name or trademark
- designation type reference.

This certificate replaces the previous one No. MAC125118XG

HAMBURG July 17, 2023

