



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA25146M

This is to certify that the undernoted product has been approved in accordance with the relevant requirements of 12.3.4, Part D of the “Rules for the Survey and Construction of Steel Ships” and Chapter 2, Part 6 of the “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”.

This certificate is issued to

Manufacturer:	Danfoss Power Solutions II, LLC
Place of Manufacturer:	1225 West Main Street, Van Wert, OH 45891 USA
Product description	Flexible non-metallic hose assemblies
Type designation(s):	FC234, 2807
Approval No.:	25FV402B
Valid until:	14 May 2030

The details are described in the attached sheets.

Issued at Tokyo on 15 May 2025.


S. Oishi
General Manager
Machinery Department



•Particular:

[FC234]

Type	Hose I.D. [mm]	Design Pressure [bar/ psi]	Application
FC234-05	6.4	103/ 1,500	- Diesel fuel - Hot lube oil - Water
FC234-06	7.9	103/ 1,500	
FC234-08	10.3	86/ 1,250	
FC234-10	12.7	86/ 1,250	
FC234-12	15.9	52/ 750	
FC234-16	22.2	28/ 400	

[2807 (FC9779-series)]

Type	Hose I.D. [mm]	Design Pressure [bar/ psi]	Application
2807-4	4.8	207/3,000	- Steam - Compressor discharge - Fuel oil - Lube oil - Water
2807-5	6.4	207/3,000	
2807-6	7.9	172/2500	
2807-8	10.3	138/2,000	
2807-10	12.7	103/1,500	
2807-12	15.9	83/1,200	
2807-16	22.2	69/1,000	
2807-20	28.6	43/625	

[2807 (E-series)]

Type	Hose I.D. [mm]	Design Pressure [bar/ psi]	Application
2807-4	4.8	241/3,500	- Steam - Compressor discharge - Fuel oil - Lube oil - Water
2807-6	7.9	190/2750	
2807-8	10.3	155/2,250	
2807-10	12.7	138/2,000	
2807-12	15.9	103/1,500	
2807-16	22.2	83/1,200	

• **Drawings and Documents**

[FC234]

Drawings: FC234_SHT1_Rev P, AD424137804890en-000201_FC234

Test Report: 007928A, 220002, 3-4438-4

[2807]

Drawings: 2807_SHT1, AD424137804890en-000201_2807

Test Report: 226683, 3-4602-6

• **Coupling:**

[FC234]

As listed in Document No. AD424137804890en-000201_FC234

[2807]

As listed in Document No. AD424137804890en-000201_2807

• **Type Approval Test:**

Pressure test, Burst test, Impulse test*, Fire resistance test

(*For only the type “2807”)

• **Limitation :**

FC234 is approved only use in no impulse condition.

• **Production test :**

The hoses used for piping belonging to Group I or II defined by 12.1.3, Chapter 12, Part D of the Rules are to be subject to hydraulic test in the presence of the Society's surveyor in accordance with 12.6.1, Chapt.12, Part D of the Rules.

• **Marking:**

The hoses to be marked with the followings.

- (a) Manufacturer's name or trademark
- (b) Date of manufacture
- (c) Type number
- (d) Nominal diameter
- (e) Pressure rating
- (f) Temperature rating

• **Notice:**

Any significant changes in design or construction of the above items may render this certificate invalid.

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