



NIPPON KAIJI KYOKAI

COPY

# Certificate

Certificate No.  
TA22121E(N)

OF

## TYPE APPROVAL

Item	: Cargo Hose (Chemical)
Product name	: Danoil, Danchem, Danflon
Application	: For ships carrying dangerous chemical in bulk
Applicant	: Dantec Ltd Tarran Way South, Moreton, Wirral, Merseyside, CH46 4TL, United Kingdom
Manufacturer	: The same as the Applicant.
Documentation	: See Annex.
Specifications	: See Annex.
Limitations	: See Annex.

THIS IS TO CERTIFY that the above mentioned cargo hose has been approved by Nippon Kaiji Kyokai with approval No. 22SN1SH as complying with the requirements of paragraph 5.7 of the *International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) including the amendment in IMO Resolution MSC 102(73)*, paragraph 2.12 of the *Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code) including the amendment in IMO Resolution MSC.106(73)*, and the relevant requirements of the Society.

This Certificate is valid until 9 February 2027.

Issued at Tokyo on 10 February 2022.

NIPPON KAIJI KYOKAI

  
Y. Takao  
General Manager  
Material and Equipment Department





### 1. Documentation

Drawings: DO25, DO38, DO50, DO65, DO75, DO100, DO150, DO200,  
DC25, DC38, DC50, DC65, DC75, DC100, DC150, DC200,  
DF25, DF38, DF50, DF65, DF75, DF100, DF150, DF200

### 2. Specifications and Limitations

Nominal Diameter (mm)	Min. Bending Radius (mm)	Max. Length (m)	Max. Working Pressure (MPa)	Bursting Pressure (MPa)	Range of Service Temperature(°C)
25	100	25	1.4	7.0	-30 ~100
38	140	25			
50	180	25			
65	205	25			
75	280	30			
100	395	30			
100 (HD*)	405	30			
150 (HD*)	510	30			
200 (HD*)	760	30			

\*HD: Heavy Duty type

### 3. Conditions for Approval

- (1) The following production tests are to be carried out for each cargo hose in the presence of the Society's Surveyor prior to putting in service.
  - (a) Hydrostatic test at ambient temperature at a pressure corresponding to 1.5 times or more of the specified maximum working pressure but in any case not more than 2/5 of the design bursting pressure.
  - (b) Visual inspection and dimension inspection
- (2) A cargo hose is not to be used for the cargoes with which the hose materials are incompatible.
- (3) Information on the compatibility, in respect of corrosion, dangerous reactions, temperature, etc., of the hose materials with the cargoes intended to be used for is to be provided to the users.
- (4) A cargo hose is to be marked with the following items :
  - (a) Name of manufacturer, type and date of manufacture
  - (b) Maximum working pressure
  - (c) Maximum and minimum service temperature
  - (d) Date of hydrostatic test
- (5) When any alterations to the above mentioned specifications have been made, they are to be reported to the Society for approval.
- (6) The Society reserves the right to access to the manufacturing facilities and may require further tests and/or examination where deemed necessary.