

# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Dantec Limited</b>
<b>Address</b>	Tarran Way, Moreton, WIRRAL, Merseyside, CH46 4TL, United Kingdom
<b>Place of Production</b>	Dantec Limited Tarran Way, Moreton, WIRRAL, Merseyside, CH46 4TL, United Kingdom
<b>Type</b>	Flexible Hoses
<b>Description</b>	Composite Cryogenic Transfer Hose
<b>Trade Name</b>	Danchem PA SS 100 Hose
<b>Specified Standard</b>	LR Rules for the Classification of Ships 2019. LR Rules for the Construction and Classification of Ships for the Carriage of LiquefiedGases in Bulk 2019. LR Rules for the Construction and Classification of Ships for the Carriage of Liquid Chemicals in Bulk 2019.
<b>Ratings</b>	Working pressure (bar): 20 Temperature range (°C): - 50 to +45 Outside diameter (mm): 25 to 250

71 Fenchurch Street, London, EC3M 4BS, UK

**Mohamed Mohamed Rila**

Senior Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

---

# Type Approval Certificate

## Other Conditions

1. Hoses are to be selected, installed and tested in accordance with the manufacturer's recommendations.
2. Hoses used for cargo transfer shall be compatible with the cargo and suitable for the cargo temperature.
3. Each hose is to be provided with the manufacturer's pressure test report and conformity of the production and the following details are to be permanently marked:
  - Manufacturer's name or trademark.
  - Date of manufacture (month/year).
  - Designation type reference.
  - Nominal diameter.
  - Pressure rating.
  - Temperature range.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2001283TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

71 Fenchurch Street, London, EC3M 4BS, UK

---

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.