



Lloyd's
Register

Type Approval Certificate

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

This certificate is issued to:

PRODUCER	Dantec Limited Tarran Way Moreton Wirral Merseyside CH46 4TL
PLACE OF PRODUCTION	As above
DESCRIPTION	Composite Cryogenic Transfer Hose
TYPE	Danchem PA SS100 Hose
STANDARD	LR Rules for the Classification of Ships 2014. LR Rules for Ships for Liquefied Gases 2014 LR Rules for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk LR Rules for the Construction and Classification of Ships for the Carriage of Liquid Chemicals in Bulk I.M.O. IGC code I.M.O. IBC code
RATING	Working pressure 20 bar. Temperature range -50 to +45° C. 25mm to 250mm bore.

See manufacturer's documentation and Design Appraisal Document. for use and limitations.

Certificate No.	14/ 00102
Issue Date	10 December 2014
Expiry Date	9 December 2019
Sheet	1 of 2

P.A. Stanney
Marine Technology & Engineering Services, Southampton
Lloyd's Register EMEA

Lloyd's Register EMEA

Southampton Boldrewood Innovation Campus, Burgess Road, Southampton, SO16 7QF

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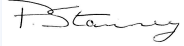


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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order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

The Design Appraisal Document No. 14/00102 and its supplementary Type Approval Terms and Conditions form part of this Certificate

Certificate No. 14/ 00102
Issue Date 10 December 2014
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