

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Couplings for LNG/LPG**

with type designation(s)

Cryogenic Break-away Couplings (CBC) and Powered Emergency Release Couplings (PERC)

Issued to

**Mann Teknik AB
MARIESTAD, Sweden**

is found to comply with

DNV GL rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Max. working temp.:** -196°C to 65°C**Max. working press.:** PN10/PN16/ASME Class 150**Sizes:** See certificateIssued at **Høvik** on **2018-03-15**This Certificate is valid until **2022-05-30**.DNV GL local station: **Gothenburg**Approval Engineer: **Mehdi Rowshan**for **DNV GL**

Digitally Signed By: Marveng, Marianne Spæren

Location: DNV GL Høvik, Norway

**Marianne Spæren Marveng
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

