

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

ISO 16904:2016 Petroleum and natural gas industries – Design and testing of LNG marine transfer arms for conventional onshore terminals

EN 1474-3:2008 Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 3: Offshore transfer systems

Application :

Max. working temp.: -196°C to 65°C

Max. working press.: See certificate

Sizes: See certificate

Issued at **Høvik** on **2018-03-15**

This Certificate is valid until **2022-11-06**.

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

