

**TYPE APPROVAL CERTIFICATE****This is to certify:****That the Quick Connecting Coupling for LNG / LPG**with type designation(s)  
**DCCoupling (Dry Cryo Couplings)**

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 +55°C  
**Max. working press.:** PN25 (DN25 to DN100) PN16 (DN150)  
**Sizes:** DN25, DN50, DN65, DN80, DN100 and DN150This Certificate is valid until **2017-12-31**.Issued at **Høvik** on **2016-08-09**DNV GL local station: **Gothenburg**Approval Engineer: **Adel Samiei**for **DNV GL**Digitally Signed By: Marveng, Marianne Spæren  
Location: DNV GL Høvik, Norway  
Signing Date: 09.08.2016**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.