

MannTek

DECLARATION OF CONFORMITY:

Pressure Equipment Directive 2014/68/EU

Mann Teknik AB of Strandvägen 16, SE-542 31 Mariestad, Sweden hereby declares that the products listed comply with the essential requirements of the Pressure Equipment Directive 2014/68/EU.

Pressure accessories:

DDC (STANAG), DGC, DAC (ISO45), DCC, DEC, SBC and CBC/PERC

Conformity assessment procedure followed:

no CE-marking**

SEP=sound engineering praxis

Article 4 section 3*

CE

Cat 1=Category 1

Module D1

CE 0525

Cat 2=Category 2

Module D1

For piping intended for gases, liquefied gases, gases dissolved under pressure, etc. according to article 4 paragraph 1.(c)(i) [Annex II Table 6]

	Al		Br		SS/Ni-alloy/Ti	
DN25	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN40	PN16	Cat 1	PN16	Cat 1	PN25	Cat 1
DN50	PN16	Cat 1	PN16	Cat 1	PN25	Cat 2
DN65	PN16	Cat 2	PN16	Cat 2	PN25	Cat 2
DN80	PN16	Cat 2	PN16	Cat 2	PN25	Cat 2
DN100	PN16	Cat 2	PN16	Cat 2	PN25	Cat 2
DN150					PN16	Cat 2
DN200					PN16	Cat 2
DN250					PN10	Cat 2
DN300					PN10	Cat 2

For piping intended for liquids according to article 4 paragraph 1.(c)(II) [Annex II Table 8]

	Al		Br		SS/Ni-alloy/Ti	
DN25	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN40	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN50	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN65	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN80	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN100	PN16	SEP*	PN16	SEP*	PN25	Cat 2
DN150	PN10	SEP*			PN16	Cat 2
DN200					PN16	Cat 2
DN250					PN10	Cat 2
DN300					PN10	Cat 2

*According to Article 4 section 3, the products designed and manufactured in accordance with the sound engineering practice (SEP) must not bear the CE marking. Unauthorized product modifications lead to an invalid declaration.

**Attention: If the coupling is Ex-marked the CE-marking is for ATEX classification

Notified body

Identification number 0525
Lloyds Register Deutschland GmbH
Überseeallee 10
20457 Hamburg
Germany

Signed:



Name: Gerhard Kopplin

Title: Technical Director

Date: 18th November 2019

The products are based on the standards and referred guidelines

NATO STANAG 3756 (edition 4) - Industrial couplings	ISO 45, STANAG 3105, MS 24484, Aircraft - Pressure refuelling connection
EN 13175:2019 – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings	2008/68/EC – The transport of dangerous goods by road, rail or inland waterways inside the member states
EN ISO 21593:2019 Ships and marine technology — Technical requirements for dry disconnect/connect couplings for bunkering liquefied natural gas	2014/34/EC – Equipment and protective systems intended for use in potentially explosive atmospheres
ISO TS 18683:2015 – Guidelines for systems and installations for supply of LNG as fuel to ships (Annex G – Dry disconnect coupling)	EN ISO 16904:2016 - Petroleum and natural gas industries – Design and testing of LNG marine transfer arms for conventional onshore terminals

The products are tested according to

EN 12266-1 and -2	Industrial valves – Testing of valves – Pressure tests, test procedures and acceptance criteria
EN 14432	Tanks for the transport of dangerous goods – Tank equipment – Product discharge and air inlet valves
ISO 5208	Industrial valves – Pressure testing of valves

Material specifications according to harmonized standards

Stainless Steel EN 10272:2016 EN 10028-7:2016 EN 10222-5:2017 EN 10216-5:2013 EN 10213:2007 +A1:2016	Stainless steel - Bars for pressure purposes - Flat products made of steel for pressure purposes - Steel forgings for pressure purposes - Seamless steel tubes for pressure purposes - Technical delivery conditions for steel castings for pressure purposes
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Material specifications according to EAM / PMA

Aluminium EN 754-2:2016 EN 755-2:2016 EN 1706:2010	Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Extruded rod/bar, tube and profiles - Castings
Brass / Gunmetal EN 12163:2016 EN 12164:2016 EN 1982:2017	Copper and copper alloys - Rod for general purposes - Rod for free machining purposes - Ingots and Castings
Stainless Steel EN 10088-3:2014 ASTM A479 ASTM A351	- Semi-finished products, bars, rods and sections for general purposes - bars and shapes for use in boilers and other pressure vessels - Castings, austenitic, austenitic-ferritic for pressure containing parts
Nickel alloys ASTM B574 VdTÜV Wst-blatt 400	- bars and shapes
Titanium ASTM B348	- bars and shapes