

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. This declaration of conformity is issued under the sole responsibility of the manufacturer.

Pressure accessories:

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

Conformity assessment procedure followed:

CE

CE 0525

CE 0525

Cat 1=Category 1

Cat 2=Category 2

Cat 3=Category 3

Module A

Module H

Module H

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	*	PN16	*	PN25	*	PN25	*
DN32	PN16	Cat 1	PN16	Cat 1	PN25	Cat 1	PN25	Cat 1
DN40	PN16	Cat 1	PN16	Cat 1	PN25	Cat 1	PN25	Cat 1
DN50	PN16	Cat 1	PN16	Cat 1	PN25	Cat 2	PN25	Cat 2
DN65	PN16	Cat 2	PN16	Cat 2	PN25	Cat 2	PN25	Cat 2
DN80	PN16	Cat 2	PN16	Cat 2	PN25	Cat 2	PN25	Cat 2
DN100	PN16	Cat 2	PN16	Cat 2	PN25	Cat 2	PN25	Cat 2
DN150					PN25	Cat 3		
DN200					PN25	Cat 3		
DN250					PN25	Cat 3		
DN300					PN25	Cat 3		

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	*	PN16	*	PN25	*
DN32	PN16	*	PN16	*	PN25	*
DN40	PN16	*	PN16	*	PN25	*
DN50	PN16	*	PN16	*	PN25	*
DN65	PN16	*	PN16	*	PN25	*
DN80	PN16	*	PN16	*	PN25	*
DN100	PN16	*	PN16	*	PN25	Cat 2
DN150	PN10	*			PN25	Cat 2
DN200					PN25	Cat 2
DN250					PN25	Cat 2
DN300					PN25	Cat 2

* Outside the scope of this Declaration of Conformity.

Notified body

Identification number 0525
LRQA Deutschland GmbH
Überseeallee 10
20457 Hamburg
Germany

Signed on behalf of Mann Teknik AB
13th February 2023

Gerhard Kopplin
Technical Director

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	EN 12516-2:2014 - Industrial valves – Shell design strength – Part 2: Calculation method for steel valve shells
EN ISO 21593:2019 Ships and marine technology — Technical requirements for dry disconnect/connect couplings for bunkering liquefied natural gas	EN 13445-3:2021 – Unfired pressure vessels – Part 3: Design
EN ISO 16904:2016 - Petroleum and natural gas industries – Design and testing of LNG marine transfer arms for conventional onshore terminals	ISO 12617:2015 - Road vehicles — Liquefied natural gas (LNG) refuelling connector — 3,1 MPa connector

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 (austenitic and austenitic-ferritic) - 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 A182 ASTM A351	- Semi-finished products, bars, rods and sections for general purposes - bars and shapes for use in boilers and other pressure vessels - forged or rolled alloy, pipe flanges, forged fittings and valves - 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