

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

**Mankenberg GmbH
Spenglerstraße 99
23556 Lübeck**

has been verified and recognized
as welding workshop based on the requirements of the standard

DIN EN ISO 3834-2

Comprehensive quality requirements..

Certificate-No.: 07/204/1326/HS/0571/19

The range of validity and details of the inspection can be seen
on the back page and in our report

No.: 8117027974.

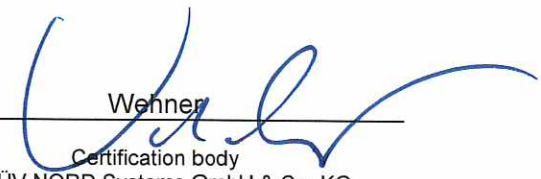
The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes.

This certificate is valid until

May 2022

Hamburg, 2019-05-27




Wenner
Certification body
of TÜV NORD Systems GmbH & Co. KG
Accredited Body

Scope of the welding activities

Only valid in relation and as an attachment to the certificate DIN EN ISO 3834 *Part 2*

Manufacturer: Mankenberg GmbH, 23556 Lübeck
 Cert.-no.: 07/204/1326/HS/0571/19
 Date of issue: 2019-05-27

1. Product(s) of the manufacturer
 control valves for pressure and level

2. Product standards and other standards (see DIN EN ISO 3834-5)
 DIN EN ISO 9606-1, -5, DIN EN ISO 14732, AD 2000-Merkblatt HP 3
 DIN EN ISO 5817 in connection with AD 2000-Mbl. HP 5/1
 DIN EN ISO 15614-1, -5, DIN EN 15613, AD 2000-Merkblatt HP 2/1, 5/2

3. Material groups (acc. to CEN ISO/TR 15608)
 1.1, 1.2, 8.1, 8.2, 10.1, 10.2, 51, 53

4. Welding processes and related material groups

Welding processes (acc. to ISO 4063) with grade of mechanization	Material groups (acc. to CEN ISO/TR 15608)
135 MAG Metal active gas welding, partly-mechanized	1.1, 8.1, 1.1 – 8.1
111 E Manual metal arc welding, manual	1.1, 8.1, 1.1 – 8.1
141 TIG Tungsten inert gas welding, manual, mechanized	1.1, 8.1, 8.2, 10.1, 10.2, 51, 53, 1.1 – 8.1, 1.2 – 8.1
142 TIG Tungsten inert gas welding without welding consumable, mechanized, manual	8.1
785 Drawn arc stud welding	8.1

5. Responsible welding coordinators

Name	Qualification	Scope of competence and level*
Behrens, Thorsten	IWE	Responsible welding coordinator C **
Bruhn, Jan - Niklas	IWE	Responsible welding coordinator C **
Thomaschewski, Dirk	SFM (EWS)	Deputy welding coordinator B **
Westphal, Thomas	SFM (EWS)	Deputy welding coordinator B **

* The level of knowledge complies with ISO 14731 B, S or C

** Tasks and responsibilities see matrix "Aufgaben und Verantwortung der Schweißaufsicht"