

Zertifikat Certificate

**Qualitätsmanagementsystem für Werkstoffhersteller gemäß
Richtlinie 2014/68/EU (Druckgeräterichtlinie)
Quality Management System for Material Manufacturers according to
Directive 2014/68/EU (Pressure Equipment Directive)**

Zertifikat-Nr.:
Certificate No.:

Name und Anschrift des Herstellers:
Name and address of manufacturer:

Hiermit wird bescheinigt, dass der Hersteller ein Qualitätsmanagementsystem in Bezug auf Werkstoffe eingeführt hat und dieses anwendet. Dieses QMS wurde in Übereinstimmung mit den Anforderungen der Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 in Bezug auf Werkstoffe einer spezifischen Bewertung unterzogen. **Der Hersteller ist berechtigt, Bescheinigungen über spezifische Prüfungen an Werkstoffen in Übereinstimmung mit der Druckgeräterichtlinie und den zugrundeliegenden technischen Spezifikationen auszustellen.**

We hereby certify that the manufacturer has implemented and applies a quality management system in relation to materials. This QMS has been subject to specific assessment in relation to materials in accordance with the requirements of Directive 2014/68/EU, Annex I, point 4.3. **The manufacturer is authorised to issue certificates of specific tests on materials in accordance with the Pressure Equipment Directive and the underlying technical specifications.**

Prüfgrundlage: **EN 764-5, Abschnitt/ section 4.2**
Test specification:

Auditbericht-Nr.:
Audit report No.:

Geltungsbereich: **Siehe Folgeseite/ see the following page**
Range of products:

Fertigungsstätte(n):
Place(s) of manufacture:

Dieses Zertifikat ist gültig bis:
This certificate is valid until:

Kontakt/Contact:
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E



Notifizierte Stelle für Druckgeräte
Notified body for pressure equipment

TÜV NORD Systems GmbH & Co. KG, Große Bahnstraße 31, 22525 Hamburg



Zur Verifizierung der Gültigkeit der digitalen Signatur ist die Installation des TÜV NORD GROUP Stammzertifikats notwendig.
To verify the validity of the digital signature installation of the TÜV NORD GROUP root certificate is required.

Geltungsbereich

Range of products

Das QM-System in Bezug auf Werkstoffe wurde überprüft anhand von:
The QM-system related to materials was assessed on the basis of:

Herstellungsprozess
manufacturing process

Produktart
product type

Werkstoffklasse
material class

Abmessung
dimension

Scope of Approval

TN/AD2000-W0/21411/24

Report No. / Manufacturer No. / Validity remark: 812 326 6317 / 21411 / 10.2024 - 10.2027

to the Certificate as Material Manufacturer acc. to AD 2000-Merkblatt W 0

**Karmen International Pvt. Ltd (Castmetals Division),A-12, SIPCOT Industrial Growth Centre
Orgadam, Sriperumpudur Tk, Kancheepuram, Dist - 602 105, Tamil Nadu, India**

Revision status:

Essen, 29.10.2024

TÜVNORD

Digital unterschrieben
von Niekamp Dirk



Certification Body

TÜV NORD Systems GmbH & Co. KG

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Scope of Approval

TN/AD2000-W0/21411/24

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Deutsch English Polski

No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
1.1	GP240GH (1.0619)*1 Steel Valve Casting for Pressure Purpose / EN 10213	<=100 / 3625 kg / +N / QT	W5	Certified acc. to PED Annex 1. sec 4.3 by the notified body TÜV NORD Systems (Reg no.0045)
1.2	G20Mn5 (1.6220)*4 Steel Valve Casting for Pressure Purpose / EN 10213	<=100 / 3625 kg / QT / V	W5	Production or Repair Welding during Manufacturing process in area of
1.3	G17CrMo5-5 (1.7357)*4 Steel Valve Casting for Pressure Purpose / EN 10213	<=100 / 3625 kg / QT / V	W5	AD 2000 W5 are approved for WPS KI/WPS/EN012 R02, KI/WPS/EN010 R02
1.4	G17CrMo9-10 (1.7379)*4 Steel Valve Casting for Pressure Purpose / EN 10213	<=150 / 3625 kg / QT / V	W5	KI/WPS/EN011 R02, KI/WPS/EN013 R02 WPS/EN014 R02 & EN/WPS/EN029 R00
1.5	GX5CrNiMo19-11-2 (1.4408)*2, *3 Steel Valve Casting for Pressure Purpose / EN 10213	<=150 / 3625 kg / +AT	W5, W10	*1-With Inspection Certificate 3.2 in acc with EN 10204 for Production weight above 500 kg
1.6	GX5CrNi19-10 (1.4308)*2, *3 Steel Valve Casting for Pressure Purpose / EN 10213	<=150 / 3625 kg / +AT	W5, W10	*2-With Inspection Certificate 3.2 in acc with EN 10204 for production weight above 200 kg for W5.
1.7	GX5CrNiNb19-11 (1.4552)*2 Steel Valve Casting for Pressure Purpose / EN 10213	<=150 / 3625 kg / +AT	W5	*3-With Inspection Certificate 3.2 in acc with EN 10204 for W10. *4-With Inspection Certificate 3.2 in acc EN 10204

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
2.1	GP280GH (1.0625) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +N	-	Certified acc to PED Annex 1, Sec 4.3 by the Notified Body of TUV NORD Systems (Reg No.0045).
2.2	GX2CrNi19-11 (1.4309) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +AT	-	
2.3	GX2CrNiMo19-11-2 (1.4409) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +AT	-	
2.4	GX2CrNiMoN22-5-3 (1.4470) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +AT	-	
2.5	GX2CrNiMoN 26-7-4 (1.4469) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +AT	-	
2.6	GX2CrNiMoN 25-7-3 (1.4417) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +AT	-	
2.7	GX4CrNi 13-4 (1.4317) Steel Valve Casting for Pressure Purpose / EN 10213	3625 kg / +QT	-	

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
3.1	WCB / Steel Valve Casting for Pressure Purpose ASTM A216 / ASME SA216	3625 kg / +N	-	Only for Information
3.2	WCC / Steel Valve Casting for Pressure Purpose ASTM A216 / ASME SA216	3625 kg / +N	-	
3.3	LCB / Steel Valve Casting for Pressure Purpose ASTM A352 / ASME SA352	3625 kg / +QTV	-	
3.4	LCC / Steel Valve Casting for Pressure Purpose ASTM A352 / ASME SA352	3625 kg / +N	-	
3.5	WC6 / Steel Valve Casting for Pressure Purpose ASTM A217 / ASME SA217	3625 kg / +NT	-	
3.6	WC9 / Steel Valve Casting for Pressure Purpose ASTM A217 / ASME SA217	3625 kg / +NT	-	
3.7	C12 / Steel Valve Casting for Pressure Purpose ASTM A217 / ASME SA217	3625 kg / +NT	-	
3.8	CF3 / Steel Valve Casting for Pressure Purpose ASTM A351 / ASME SA351	3625 kg / +AT	-	
3.9	CF8 / Steel Valve Casting for Pressure Purpose ASTM A351 / ASME SA351	3625 kg / +AT	-	
3.10	CF3M / Steel Valve Casting for Pressure Purpose ASTM A351 / ASME SA351	3625 kg / +AT	-	
3.11	CF8M / Steel Valve Casting for Pressure Purpose ASTM A351 / ASME SA351	3625 kg / +AT	-	

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
3.12	CF8C / Steel Valve Casting for Pressure Purpose ASTM A351 / ASME SA351	3625 kg / +AT	-	Only for Information
3.13	CA6NM Class A / Steel Valve Casting for Pressure Purpose ASTM A487 / ASME SA487	3625 kg / +AT	-	
3.14	CD3MN (4A) / Steel Valve Casting for Pressure Purpose ASTM A890 / A995 / ASME SA890 / SA995	3625 kg / +AT	-	
3.15	CE3MN (5A) / Steel Valve Casting for Pressure Purpose ASTM A890 / A995 / ASME SA890 / SA995	3625 kg / +AT	-	
3.16	CD3MWCuN (6A) / Steel Valve Casting for Pressure Purpose ASTM A890 / A995 / ASME SA890 / SA9	3625 kg / +AT	-	
3.17	M35-1 / Steel Valve Casting for Pressure Purpose ASTM A494	3625 kg / +AT	-	
3.18	M30-C / Steel Valve Casting for Pressure Purpose ASTM A494	3625 kg / +AT	-	
3.19	C95800 / Aluminium Bronze Casting for Pressure Purpose ASTM B148	3625 kg / +A	-	
3.20	C95800 / Aluminium Bronzee Casting for Pressure Purpose ASTM B148	3625 kg / +AR	-	

Certificate

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Material Manufacturer acc. to AD 2000-Merkblatt W 0

TÜV NORD Systems GmbH & Co. KG confirms that the manufacturer

has been inspected and recognised as a material manufacturer in accordance with the requirements of the certification scheme **TNS-AD2000-W0** acc. to AD 2000-Merkblatt W 0.

For details, see the report and the scope of the assessment.

The manufacturer has the following requirements:

- facilities for proper manufacturing and testing,
- appropriate processes for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products and
- a quality management system with corresponding records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Certification Body



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