

CERTIFICATE

**Certification Body
of TÜV NORD Systems GmbH & Co. KG**

certifies, that the company

**Creative Castings Limited
102,GIDC Estate,Phase-II
Dolatpara,Junagadh-362 003
Gujarat, India**

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07-203-1423-WP-1213/14 Q

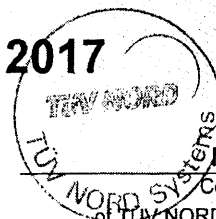
The scope of approval is available in the annex
"scope of approval", file no.: SEK-451/14 (811 180 0721).

The company fulfils the following essential requirements:
Facilities permitting appropriate manufacturing and inspection corresponding to the present
technical standards, quality assurance, which guarantees that manufacturing and inspection of products stated
in our scope of approval are carried out in accordance with technical regulations,
competent supervising and inspecting personnel.

This certificate is valid until

September 2017

Essen, 12.09.2014



Niekamp

Certification Body
of TÜV NORD Systems GmbH & Co. KG

TÜV NORD Systems GmbH & Co. KG • Energy Technology Division •
Certification Body for Pressure Equipment (Notified Body, Reg. -No. 0045)
Große Bahnstraße 31 • 22525 Hamburg
Telephone +49 201-825-2722 • Fax +49 201-825-2858 • E-mail: dniekamp@tuev-nord.de

CERTIFICATE

**Quality Assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC**

Certificate no.: 07-202-1423 WZ-1213/14 Q

**Name and address
of manufacturer:**

**Creative Castings Limited
102,GIDC Estate,Phase-II
Dolatpara,Junagadh-362 003
Gujarat, India**

This is to certify that the manufacturer has implemented and applies a QA System.
This QA System has been subjected to a specific assessment for material acc. to Directive
97/23/EC, annex I, sec. 4.3 with regard to the materials mentioned within the scope of approval.

Approved:

**QA System acc. to AD2000-Merkblatt W0
and EN 764-5, sec. 4.2**

Audit report no.:

811 162 6568

Scope of approval:

Manufacture and Supply of Valve and Pump Castings

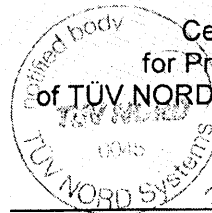

Details of the scope are mentioned in the annex of the
certificate AD2000-Merkblatt W0.

Production site:

**102,GIDC Estate,Phase-II
Dolatpara,Junagadh-362 003
Gujarat, India**

The manufacturer disposes of the essential procedures and equipments as well as the required
qualified personnel to ensure quality of manufacturing and testing the materials and products
mentioned in the scope of approval.

Essen, 12.09.2014


Certification Body
for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG

Niekamp
Notified body, registration no. 0045

Remark of validity:

Valid until September 2017

TÜV NORD Systems GmbH & Co. KG
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Benannte Stelle 0045
Große Bahnstraße 31
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TUV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 97/23/EC,
 annex I, sec. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0



Annex to Certificate

Date : 12.09.2014

Firm: CREATIVE CASTINGS LTD.

DGRN-Nr.: 07 202 1423 WZ 1213/14 Q

TÜV-File: SEK-451/14 (811 180 0721)

Place: 102-G.I.D.C.Phase-II-Rajkot Road

AD 2000-W0-Nr.: 07 203 1423 WP 1213/14 Q

TÜV-File: SEK-451/14 (811 180 0721)

DOLTPARA-JUNAGADH-362 003, Gujarat, India

Wiekamp

Item No.	Name of material Material number	Specification	Condition of delivery	Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Regulations Requirements	Remarks Doc.-Nr. WW_20_03_DE (2009-04)
1	2	3	4	5	6	7	8	9
1,11 1,12	1.4309 1.4409	EN 10213 EN 10213	AT AT	Valve and Pump Castings Valve and Pump Castings	Max 50mm Thickness	Weight max 80Kgs	Directive 97/23/EC Directive 97/23/EC	Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
2,11 2,12 2,13 2,14 2,15 2,16 2,17	1.0619 1.7357 1.7379 1.4308 1.4408 1.4552 1.4581	EN 10213 EN 10213 EN 10213 EN 10213 EN 10213 EN 10213 EN 10213	N QT QT AT AT AT AT	Valve and Pump Castings Valve and Pump Castings Valve and Pump Castings Valve and Pump Castings Valve and Pump Castings Valve and Pump Castings Valve and Pump Castings	Max 50mm Thickness	Weight max 80Kgs	Directive 97/23/EC AD2000 Merkblatt W0 AD2000 Merkblatt W5	No production or repair welding in area of PED and AD 2000 during manufacturing process
3,11	1.4408	EN 10213	AT	Valve and Pump Castings	Max 50mm Thickness	Weight max 80Kgs	Directive 97/23/EC AD2000 Merkblatt W0/W5/W10	With Inspection Certificate 3.2 In Accordance with EN 10204

Erläuterungen / Explanation: +AT / AT = Lösungsgegüht und abgeschreckt / solution heat treated and detemred; N = Normalgegüht und normalisierend umgeformt / normalized and normalizing forming; NT = Normalgegüht und angelassen / normalized and annealed; +QT / V = vergüht / quenched and tempered; M = Thermomechanisch behandelt / thermomechanical treated

U = Ungügüht / without annealing; S = Spannungsarmgegüht / stress relieved; A = weichgegüht / soft annealed; CR = Temperatureregelt umgeformt / controlled hot rolled

Für die spezifizierten Einsatzbedingungen ist die Zustimmung des Druckgerätemanufacturers bzw. der zustandigen benannten Stelle erforderlich.

The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge

TUV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 97/23/EC,
 annex I, sec. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0



Date : 12.09.2014

TÜV-File: SEK-451/14 (811 180 0721)

TÜV-File: SEK-451/14 (811 180 0721)

Annex to Certificate

DGRL-Nr.: 07 202 1423 WZ 1213/14 Q

AD 2000-W0-Nr.: 07 203 1423 WP 1213/14 Q

Firm: CREATIVE CASTINGS LTD.

Place: 102-G.I.D.C.Phase-II-Rajkot Road

DOLTPARA-JUNAGADH-362 003, Gujarat, India

Item No.	Name of material Material number	Specification	Condition of delivery	Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Regulations Requirements	Remarks
1	2	3	4	5	6	7	8	9
4.11	WCB	ASTM-A-216	N	Valve and Pump Castings	Max 50mm Thickness	Weight max. 80Kgs		If use in area of PED 97/23/EC a Particular Material Appraisal (PMA) is necessary
4.12	WCC	ASTM A 217	NT	Valve and Pump Castings				
4.13	WC6	ASTM A 217	NT	Valve and Pump Castings				
4.14	WC9	ASTM A 217	NT	Valve and Pump Castings				
4.15	LCB	ASTM A 352	QT	Valve and Pump Castings				
4.16	LCC	ASTM A 352	QT	Valve and Pump Castings				
4.17	LC2	ASTM A 352	QT	Valve and Pump Castings				
4.18	CF3	ASTM-A-351	AT	Valve and Pump Castings				
4.19	CF3A	ASTM-A-351	AT	Valve and Pump Castings				
4.20	CF3M	ASTM-A-351	AT	Valve and Pump Castings				
4.21	CF8	ASTM-A-351	AT	Valve and Pump Castings				
4.22	CF8C	ASTM-A-351	AT	Valve and Pump Castings				
4.23	CF8M	ASTM-A-351	AT	Valve and Pump Castings				
4.24	CG8M	ASTM-A-351	AT	Valve and Pump Castings				
4.25	CH-20	ASTM-A-351	AT	Valve and Pump Castings				
4.26	CK-20	ASTM-A-351	AT	Valve and Pump Castings				
4.27	CD4MCuN	ASTM A 995	AT	Valve and Pump Castings				
4.28	CK3MCuN	ASTM-A-351	AT	Valve and Pump Castings				
4.29	M35-1	ASTM A-494	As Cast	Valve and Pump Castings				

Erläuterungen / Explanation: +AT / AT = Lösungsgeglüht und abgeschreckt / solution heat treated and detemred; N = Normalgeglüht und normalisiert umgeformt / normalized and normalized transformed;
 NT = Normalgeglüht und angelassen / normalized and annealed; +QT / V = vergütet / quenched and tempered; M = Thermomechanisch behandelt / thermomechanical treated
 U = Ungelüht / without annealing; S = Spannungsarmgeglüht / stress relieved; A = weichgeglüht / soft annealed; CR = Temperauregeregt umgeformt / controlled hot rolled