

Certificate

Quality Assurance System acc. to Directive 2014/68/EU

Certificate no.: 01 202 CHN/Q-18 0642

Name and address of the
certificate holder: **Zhejiang Chaochao Safety Valve Manufacturing Co., Ltd.**
No.139 Bei-er Road, Xiaolin Town, Cixi City,
315321 Zhejiang
P.R. China

Herewith we certify that the above -mentioned manufacturer
operates a quality system according to the European Directive
2014/68/EU.

The manufacturer has the permission to affix the following
CE marking to pressure equipment described and
manufactured in accordance to the scope covered by this Quality-
Assurance System:

CE 0035

Test basis: **Directive 2014/68/EU: QA-System (Module D)**
(the QS-Modules E1, E, D1 are covered by Module D)

Audit report no.: 01 202 CHN/Q-18 0642

Scope: **Manufacturing of direct loaded safety valves use for air
compressor, see annex, 2022.01.26, Rev.: 5, to certificate**

Manufacturing plant: see certificate holder

Validity: **This certificate is valid until 2025-02-14.**

Cologne, 2022-01-31

Dipl.-Ing. (FH) Vera Ruff



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Cologne

MS-0037317 E-008-Rev01

Zertifikat

Qualitätssicherungssystem nach Richtlinie 2014/68/EU

Zertifikatsnummer: 01 202 CHN/Q-18 0642

Name und Anschrift des
Zertifikatsinhaber:

Zhejiang Chaochao Safety Valve Manufacturing Co., Ltd.
No.139 Bei-er Road, Xiaolin Town, Cixi City,
315321 Zhejiang
P.R. China

Hiermit wird bescheinigt, dass der Hersteller ein QS-System gemäß der Richtlinie 2014/68/EU eingeführt hat und anwendet. Der Hersteller ist berechtigt, die von ihm im Rahmen des Geltungsbereichs dieses QS-Systems beschriebenen und hergestellten Druckgeräte mit dem abgebildeten Zeichen zu kennzeichnen:

CE 0035

Prüfgrundlage:

Richtlinie 2014/68/EU: QS-System (Modul D)
(die QS-Module E1, E und D1 sind durch Modul D abgedeckt)

Prüfbericht Nr.:

01 202 CHN/Q-18 0642

Geltungsbereich:

**Herstellung von direkt wirkenden Sicherheitsventilen für
Luftkompressoren, siehe Anlage, 2022.01.26, Rev.: 5, zum Zertifikat**

Fertigungsstätte:

siehe Zertifikatsinhaber

Gültigkeit:

Dieses Zertifikat ist gültig bis 14.02.2025.

Köln, 31.01.2022

Dipl.-Ing. (FH) Vera Ruff



TÜV Rheinland Industrie Service GmbH
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035
Am Grauen Stein, D-51105 Köln

MS-0037317 E-008-Rev01

Details of the Validity of the Approval as Manufacturer of Pressure Equipment with certified QM-System acc. PED 2014/68/EU Module D



Annex to Certificate No.: 01 202 CHN/Q-18 0642

Manufacturer			Manufacturing Plant		Nationality	Date	Page No.	TÜV Rheinland Industrie Service GmbH
Company Name: Zhejiang Chaochao Safety Valve Manufacturing Co., Ltd. Location: No. 139 Bei-er Road, Xiaolin Town, Cixi City, Zhejiang Province, P.R. China 315321			Zhejiang Chaochao Safety Valve Manufacturing Co., Ltd. No. 139 Bei-er Road, Xiaolin Town, Cixi City, Zhejiang Province, P.R. China 315321		P.R. China	2022.01.26	1	
						Rev.: 5	of: 2	
Item No.	Product description	Until now applied codes	Material	Limitations / Restrictions	List of Module B (E)/ B (B) Certificates (by QS-Module D/E)		Remark	
01	Direct Looded Safety Valve (Type: AX2; Dwg. No.: AX2 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-18 0415 Rev.1. (Place and Date of Issue: Sofia, 5.8.2020 r.; Valid until: 6.12.2028 r.)		Note: The pre-material should be purchased from manufacturer approved in accordance with PED 2014/68/EU Annex I, 4.3 last paragraph within the approved scope, certificates 3.1 (EN10204) are acceptable. Otherwise, the pre-material has to be inspected and certified with certificates 3.2 (EN10204) by TÜV Rheinland.	
02	Direct Looded Safety Valve (Type: BX3; Dwg. No.: BX3 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-18 0416 Rev.1. (Place and Date of Issue: Sofia, 5.8.2020 r.; Valid until: 6.12.2028 r.)			
03	Direct Looded Safety Valve (Type: DX2; Dwg. No.: DX2 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-20 0204 (Place and Date of Issue: Sofia, 5.8.2020 r; Valid until: 5.8.2030 r.)			
04	Direct Looded Safety Valve (Type: CX3; Dwg. No.: CX3 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-20 0205 (Place and Date of Issue: Sofia, 5.8.2020 r; Valid until: 5.8.2030 r.)			



Details of the Validity of the Approval as Manufacturer of Pressure Equipment with certified QM-System acc. PED 2014/68/EU Module D



Annex to Certificate No.: 01 202 CHN/Q-18 0642

Manufacturer			Manufacturing Plant		Nationality	Date	Page No.	TÜV Rheinland Industrie Service GmbH
Company Name: Zhejiang Chaochao Safety Valve Manufacturing Co., Ltd. Location: No. 139 Bei-er Road, Xiaolin Town, Cixi City, Zhejiang Province, P.R. China 315321			Zhejiang Chaochao Safety Valve Manufacturing Co., Ltd. No. 139 Bei-er Road, Xiaolin Town, Cixi City, Zhejiang Province, P.R. China 315321		P.R. China	2022.01.26	2	
						Rev.: 5	of: 2	
Item No.	Product description	Until now applied codes	Material	Limitations / Restrictions	List of Module B (E)/ B (B) Certificates (by QS-Module D/E)		Remark	
05	Direct Looded Safety Valve (Type: EX4; Dwg. No.: EX4 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air+Oil/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-21 0095 (Place and Date of Issue: Sofia, 12.4.2021.; Valid until: 12.4.2031 r.)		Note: The pre-material should be purchased from manufacturer approved in accordance with PED 2014/68/EU Annex I, 4.3 last paragraph within the approved scope, certificates 3.1 (EN10204) are acceptable. Otherwise, the pre-material has to be inspected and certified with certificates 3.2 (EN10204) by TÜV Rheinland.	
06	Direct Looded Safety Valve (Type: FX6; Dwg. No.: FX6 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air+Oil/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-21 0096 (Place and Date of Issue: Sofia, 12.4.2021.; Valid until: 12.4.2031 r.)			
07	Direct Looded Safety Valve (Type: GX8; Dwg. No.: GX8 Edition 1.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air+Oil/Group 2, PED Category IV, Set Pressure: 5 to 16 bar, Working Temperature: -20°C~+120°C	1853-PED-21 0097 (Place and Date of Issue: Sofia, 12.4.2021.; Valid until: 12.4.2031 r.)			
08	Direct Looded Safety Valve (Type: DX2.D; Dwg. No.: DX2.D Edition 2.0)	EN ISO 4126-1: 2013+A1:2016	Valve Body: HPb59-1 (GB/T 5231, GB/T 4423)	Fluid: Air, Steam/Group 2, PED Category IV, Set Pressure: 1 to 5 bar, Working Temperature: -20°C~+150°C	1853-PED-21 0242 Rev.1 (Place and Date of Issue: Sofia, 19.1.2022.r; Valid until: 13.9.2031 r.)			
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CERTIFICATE

„EU-Type examination - production type - Module B”

№ 1853-PED-20 0204

Name and address of the manufacturer: Zhejiang Chaochao Safety Valve Manufacturing co. Ltd
No. 139 Bei-er Road, Xiaolin Town, Cixi City, Zhejiang
Province, P.R. China 315321

Place of fabrication: Zhejiang Chaochao Safety Valve Manufacturing co. Ltd
No. 139 Bei-er Road, Xiaolin Town, Cixi City, Zhejiang
Province, P.R. China 315321

Type description: DIRECT LOADED SAFETY VALVE TYPE DX2
Drawing No.: DX2 Edition1.0

**Maximum allowable working pressure,
Ps (bar):** 16,0 Set pressure (range):
Spring Ø1*16mm: $5 \leq Ps < 8$
Spring Ø1.1*16mm: $8 \leq Ps < 12$
Spring Ø1.2*17mm: $12 \leq Ps \leq 16$

**Minimum/Maximum allowable working
temperature, Ts (°C):** -20/120

Fluid group: 2 / Air

Category of the equipment: IV

Test Report No.: 1853-20 0298

Marking: CE 1853

With this certificate „TÜV Rheinland Bulgaria” Ltd. certifies that after successfully conducted procedure „EU-type examination – production type - module B”, the type of the pressure equipment “DIRECT LOADED SAFETY VALVE TYPE DX2”, Drawing No.: DX2 Edition1.0, conforms with the applicable to it essential requirements of Directive 2014/68/EU, transposed with the Regulation for Essential Requirements and Conformity Assessment of Pressure Equipment.

Sofia, 5.8.2020 r.
(Place and date of issue)

Notified Body for Simple Pressure Vessels and
Pressure Equipment:

Valid until: 5.8.2030 r.

Attachments:

Test Report No: 1853-20 0298
Drawing No.: DX2 Edition1.0

TÜV Rheinland - Bulgaria EOOD
Notified Body for Simple Pressure Vessels and Pressure Equipment
1113 Sofia, 23A Dragan Tsankov blvd.
tel: 02/9879087; 9879291; fax: 02/9876605
Accreditation № 129 - OC / 04.08.2016 r. of SAMTS, Id. № 1853

