



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 18ATEX1190U** Issue: **0**

4 Equipment: **CZ1725 Series cable gland, stopping plug, reducer and Explosion-proof Breathing drainage valve**

5 Applicant: **CZ Electric Co.,Ltd**

6 Address: No. 1 Qixing Rd, Qixing Town, Nanhu District, Jiaxing City, Zhejiang Province, 314002, China.

7 This Component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:
EN60079-0:2018 EN60079-1:2014 EN60079-7:2017 EN60079-31:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign "U" is placed after the certificate number, it indicates that the product assessed is component and maybe subjected to further assessment when incorporated into equipment. Any Limitation of use are listed in the schedule to this certification.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the equipment shall include the following:



II 2 G D

Ex db IIC Gb (The code is not applicable to CZ1725/27)

Ex eb IIC Gb (The code is not applicable to CZ1725/28)

Ex tb IIIC Db

Project Number 70175471


N Jones
Certification Manager

This certificate and its schedules may only be reproduced in its entirety and without change.



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 18ATEX1190U Issue 0

13 DESCRIPTION OF EQUIPMENT

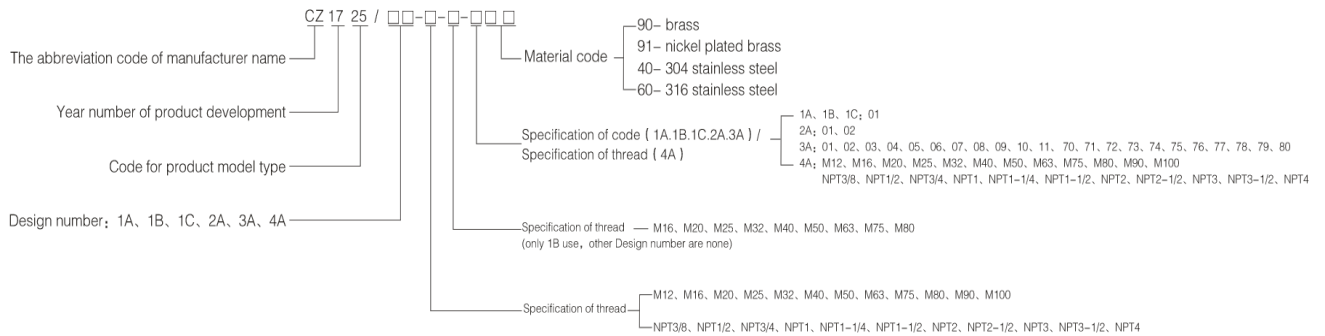
The CZ1725/1A, CZ1725/1B, CZ1725/1C and CZ1725/2A series cable glands, CZ1725/3A series stopping plug and CZ1725/4A series reducer are certified as Ex components with protection types Ex db (flameproof) Ex eb (increased safety) and Ex tb (dust protection). These cable glands are suitable circular unarmoured or armoured cables. CZ1725 Series cable gland consist of the following component parts:

Entry body, Brass H59 or stainless steel 304,316L, which is partially threaded at one end with a male metric or NPT thread used to secure the entry item to the associated enclosure. At the other end the internal profiled bore of the component to accept engagement of the sealing ring.

Sealing ring, SR silicon rubber, which is inserted into the end of the entry body, when displaced by tightening of sealing ring, secures the incoming cable in place, along with providing "sealing" and ingress protection.

Compression nut, Brass H59 or stainless steel, which is partially threaded at one end with a female thread which engages with the entry body and upon tightening displaces the sealing ring onto the CZ1725 series metal stopping plug and reducer. The materials of metal stopping plug and reducer are Brass H59 or stainless steel 304 or 316L.

Type designation of CZ1725 series cable gland, stopping plug and reducer are listed as below:



CZ1725 Explosion-proof breathing, drainage valve is certified as Ex components with protection types Ex db (flameproof, for CZ1725/28) Ex eb (increased safety, for CZ1725/27) and Ex tb (dust protection). CZ1725 breathing, drainage valve consists of the following component parts:

Breathing body, stainless steel 304 or 316L, which is partially threaded at one end with a male metric or NPT thread used to secure the entry item to the associated enclosure.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6, Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670 900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org



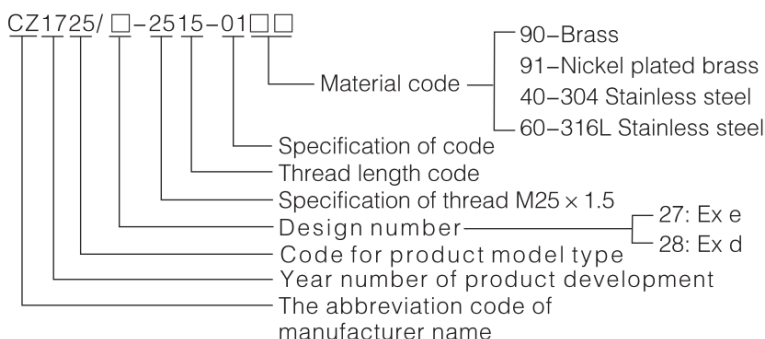
SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 18ATEX1190U Issue 0

Filter mat, polyester, installed in an integrated groove on the body of Breathing body. Sealing ring, SR silicon rubber, which is inserted into the recessed bore of the entry body, when displaced by tightening of sealing ring, providing "sealing" and ingress protection.

Breathing locking nut, stainless steel 304 or 316L, which is partially threaded at one end with a female thread which engages with the entry body and tightening the sealing ring Type designation of CZ1725 series breathing, drainage valve is listed as below:



14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Table with 4 columns: Issue, Date, Report number, Comment. Row 1: 0, 20 August 2020, R70175471A, The release of the prime certificate.

15 SCHEDULE OF LIMITATION

- 15.1 The service temperature of non-metallic parts of CZ1725 series cable gland, stopping plug, reducer and breathing, drainage valve is -60°C to +100°C.
15.2 CZ1725/28 explosion-proof breathing, drainage valve has been subjected to a non-transmission type test with group IIC gas according to 15.3.3 of EN 60079-1 associated with a flameproof enclosure with a maximum internal net volume of 307L. The test was carried out for ambient temperatures up to 60 °C.
15.3 Flameproof joints are not intended to be repaired.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6, Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670 900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 18ATEX1190U
Issue 0

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 **CONDITIONS OF MANUFACTURE**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670 900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

Certificate Annexe



Certificate Number: **Sira 18ATEX1190U**

Component: **CZ1725 Series cable gland, stopping plug, reducer and Explosion-proof Breathing drainage valve**

Applicant: CZ Electric Co.,Ltd.

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
2CZ1725.002.001~009	1 to 1	AA	10 Dec 19	CZ1725/1A-□-□□□ Series Metal Cable gland
2CZ1725.002.010~018	1 to 1	AA	10 Dec 19	CZ1725/1A-N□-□□□ Series Metal Cable gland
2CZ1725.002.019~027	1 to 1	AA	10 Dec 19	CZ1725/1A-G□-□□□ Series Metal Cable gland
2CZ1725.003.001~009	1 to 1	AA	10 Dec 19	CZ1725/1B-□-□-□□□ Series Metal Cable gland
2CZ1725.003.010~018	1 to 1	AA	10 Dec 19	CZ1725/1B-N□-□-□□□ Series Metal Cable gland
2CZ1725.003.019~027	1 to 1	AA	10 Dec 19	CZ1725/1B-G□-□-□□□ Series Metal Cable gland
2CZ1725.004.001~006	1 to 1	AA	10 Dec 19	CZ1725/1C-□-□□□ Series Metal Cable gland
2CZ1725.004.007~012	1 to 1	AA	10 Dec 19	CZ1725/1C-N□-□□□ Series Metal Cable gland
2CZ1725.004.013~018	1 to 1	AA	10 Dec 19	CZ1725/1C-G□-□□□ Series Metal Cable gland
5CZ1725.002.001~006	1 to 1	AA	10 Dec 19	CZ1725/1C-□ Clamping assembly
8CZ1725.001.098~124	1 to 1	AA	10 Dec 19	□ Sealing ring
8CZ1725.002.001.2~009.2	1 to 1	AA	10 Dec 19	CZ1725/1A-G□ Entry body
8CZ1725.002.001~009.0~1	1 to 1	AA	10 Dec 19	CZ1725/1A-□ Entry body
8CZ1725.002.010~018	1 to 1	AA	10 Dec 19	CZ1725/1A Compression nut □
8CZ1725.003.001~009	1 to 1	AA	10 Dec 19	CZ1725/1B Compression nut □
8CZ1725.004.001~006	1 to 1	AA	10 Dec 19	CZ1725/1C Compression nut □
8CZ1725.004.007~012.0~1	1 to 1	AA	10 Dec 19	CZ1725/1C Clamping block □-□
			10 Dec 19	
2CZ1725.001.001~013	1 to 1	AA	10 Dec 19	CZ1725/2A-□-□□□ Series Metal Cable gland
2CZ1725.001.014~026	1 to 1	AA	10 Dec 19	CZ1725/2A-N□-□□□ Series Metal Cable gland
2CZ1725.001.027~039 CZ1725	1 to 1	AA	10 Dec 19	CZ1725/2A-G□-□□□ Series Metal Cable gland
8CZ0225.007.001~013	1 to 1	AA	10 Dec 19	Sealing ring
8CZ0225.008.001~013	1 to 1	AA	10 Dec 19	Active ring
8CZ1725.001.001.2~013.2	1 to 1	AA	10 Dec 19	CZ1725/2A-G□□ Entry body
8CZ1725.001.001~013.0~1	1 to 1	AA	10 Dec 19	CZ1725/2A-□□ Entry body
8CZ1725.001.014~025	1 to 1	AA	10 Dec 19	CZ1725/2A Sealing ring□

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 539 301

Email: ukinfo@csagroup.org

Web: www.csagroupuk.org

Certificate Annexe



Certificate Number: **Sira 18ATEX1190U**

Component: **CZ1725 Series cable gland, stopping plug, reducer and Explosion-proof Breathing drainage valve**

Applicant: CZ Electric Co.,Ltd.

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
8CZ1725.001.026~037	1 to 1	AA	10 Dec 19	CZ1725/2A Tightening claw <input type="checkbox"/>
8CZ1725.001.038~049	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Compression nut <input type="checkbox"/>
8CZ1725.001.050~061	1 to 1	AA	10 Dec 19	CZ1725/2A Middle Sleeve <input type="checkbox"/>
8CZ1725.001.062~073	1 to 1	AA	10 Dec 19	CZ1725/2A Compression nut <input type="checkbox"/>
8CZ1725.001.074~085.0~1	1 to 1	AA	10 Dec 19	CZ1725/2A Clamping ring <input type="checkbox"/>
8CZ1725.001.086	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Pad 01
8CZ1725.001.087	1 to 1		10 Dec 19	CZ1725/2A Taper Pad 02
8CZ1725.001.088	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Pad 03
8CZ1725.001.089	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Pad 04
8CZ1725.001.090	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Pad 05
8CZ1725.001.091	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Pad 06
8CZ1725.001.092~097	1 to 1	AA	10 Dec 19	CZ1725/2A Taper Pad <input type="checkbox"/>
8CZ1725.001.098~124	1 to 1	AA	10 Dec 19	<input type="checkbox"/> Sealing ring
2CZ1725.005.001~011	1 to 1	AA	10 Dec 19	CZ1725/3A- <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Metal stopping plug
2CZ1725.005.012~022	1 to 1	AA	10 Dec 19	CZ1725/3A- <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Metal stopping plug
2CZ1725.005.023~030	1 to 1	AA	10 Dec 19	CZ1725/3A- <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Metal stopping plug
8CZ0223d.001~011.000	1 to 1	AA	10 Dec 19	M16~M100 Stopping plug nut
8CZ0223d.041~048.000	1 to 1	AA	10 Dec 19	G1/2~G3 Stopping plug nut
8CZ0223d.071~081.000	1 to 1	AA	10 Dec 19	NPT3/8~NPT4 Stopping plug nut
8CZ1725.001.098~124	1 to 1	AA	10 Dec 19	<input type="checkbox"/> Sealing ring
			10 Dec 19	
2CZ1725.006.001~028	1 to 1	AA	10 Dec 19	CZ1725/4A- <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Reducer
2CZ1725.006.029~054	1 to 1	AA	10 Dec 19	CZ1725/4A- <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Reducer
2CZ1725.006.055~090	1 to 1	AA	10 Dec 19	CZ1725/4A- <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Reducer
8CZ1725.001.098~124	1 to 1	AA	10 Dec 19	<input type="checkbox"/> Sealing ring
8203.001~011.000	1 to 1	AA	10 Dec 19	203 Series locking nut
8210.001~009.000	1 to 1	AA	10 Dec 19	210 Series locking nut
			10 Dec 19	
2CZ1725-27.000.001	1 to 1	AA	10 Dec 19	CZ1725/27 Breathing drainage valve
8CZ0527.004.000	1 to 1	AA	10 Dec 19	0527 Filter mat
8CZ1725.001.098~124	1 to 1	AA	10 Dec 19	<input type="checkbox"/> Sealing ring
8CZ1725-27.000.001	1 to 1	AA	10 Dec 19	Breathing body
8CZ1725-27.000.002	1 to 1	AA	10 Dec 19	Breathing locking nut
			10 Dec 19	
2CZ1725-28.000.001	1 to 1	AA	10 Dec 19	CZ1725/28 Breathing drainage valve
8CZ1725.001.098~124	1 to 1	AA	10 Dec 19	<input type="checkbox"/> Sealing ring

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 539 301

Email: ukinfo@csagroup.org

Web: www.csagroupuk.org

Certificate Annexe



Certificate Number: **Sira 18ATEX1190U**

Component: **CZ1725 Series cable gland, stopping plug, reducer and Explosion-proof Breathing drainage valve**

Applicant: CZ Electric Co.,Ltd.

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
8CZ1725-28.000.001	1 to 1	AA	10 Dec 19	Breathing locking nut
8CZ1725-28.000.002	1 to 1	AA	10 Dec 19	M18X1.5 Mount

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 539 301

Email: ukinfo@csagroup.org

Web: www.csagroupuk.org