

**ANNEX-1 OF
EU DESIGN EXAMINATION CERTIFICATE
PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU**

Certificate Number : CAC-P-0001-01

Manufacturer : Ören İnşaat Tesisat Sanayi ve Ticaret Limited Şirketi

Manufacturing Address : İstanbul Esenyurt Fatih Mh.19 Mayıs Blv. Astor İş Merkezi No:53 /1B/1

Product Description : Closed Expansion Tanks (Vessels) with Membrane
Maximum Working Pressure: 10 bar, 16 bar, 25 bar
Working Temperature Range: - 10°C to +70°C
Volume of Tanks: 2L to 5000L

Product Range : Cylindrical Type Tanks: CRW2S to CRW50S
Italian Type: CRW24I
Vertical Type with Legs: CRW24D to CRW5000D
Horizontal Type: CRW24Y to CRW100Y

Harmonised Standard : EN 13831:2007

The technical design of the model of company mentioned above has been examined and it has been proved that the equipment meets the applicable essential safety requirements of Annex I of the Pressure Equipment Directive 2014/68/EU and Annex III Part 12. This certificate has an Annex-1 showing the details of the products in the scope.

This certificate remains valid for 10 years subjects to satisfactory maintenance of technical file and documentation. You can check validity of this certificate on www.conasce.com. This certificate remains the property of CAC Conformity Assessment Center d.o.o. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 10 years from the registration of certificate. The above named firm must notify all changes related with the approved type to CAC. If CAC will not renew expiry date of this certificate the above named firm stop the industry supply of product in question.



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EU DESIGN EXAMINATION CERTIFICATE PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU

Certificate Number : CAC-P-0001-01

Manufacturer : Ören İnşaat Tesisat Sanayi ve Ticaret Limited Şirketi

Manufacturing Address : İstanbul Esenyurt Fatih Mh.19 Mayıs Blv. Astor İş Merkezi No:53 /1B/1

Related Directives : 2014/68/EU Pressure Equipment Directive

Product : Closed Expansion Tanks (Vessels) With Membrane
Defined in Attached Annex

The technical design of the model of company mentioned above has been examined and it has been proved that the equipment meets the applicable essential safety requirements of Annex I of the Pressure Equipment Directive 2014/68/EU and Annex III Part 12. This certificate has an Annex-1 showing the details of the products in the scope.

This certificate remains valid for 10 years subjects to satisfactory maintenance of technical file and documentation. You can check validity of this certificate on www.conasce.com. This certificate remains the property of CAC Conformity Assessment Center d.o.o. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 10 years from the registration of certificate. The above named firm must notify all changes related with the approved type to CAC. If CAC will not renew expiry date of this certificate the above named firm stop the industry supply of product in question.

Issue date : 12.03.2021

Re-issue date : -

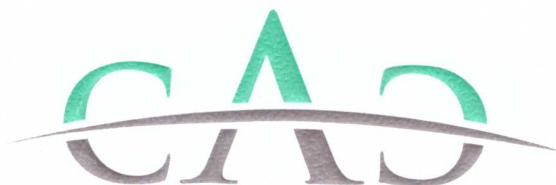
Validity date : 11.03.2031

Notified body number : 2828

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**CONFORMITY BASED ON FULL QUALITY ASSURANCE
PLUS DESIGN EXAMINATION
PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU
MODULE H1**

Certificate Number : CAC-P-0001-02

Manufacturer : Ören İnşaat Tesisat Sanayi ve Ticaret Limited Şirketi

Manufacturer Adress : İstanbul Esenyurt Fatih Mh.19 Mayıs Biv. Astor İş Merkezi
No:53 /1B/1

Related Directives : 2014/68/EU Pressure Equipment Directive

Production Scope : Closed Expansion Tanks (Vessels) With Membrane

Design : CAC-P-0001-01/12.03.2021/2828

**Examination Cert.
No/Date/NB**

The quality system of the company mentioned above has been examined and it has been proved that the system meets the applicable requirements of the Pressure Equipment Directive 2014/68/EU according to Annex III Part 5. This certificate is valid only with the design examination certificates. If type design certificate is not valid this certificate automatically loses its validity.

This certificate remains valid for 3 years subjects to satisfactory maintenance of system and CAC has right to perform unannounced audits and surveillance audits to check the competency to directive. You can check currency of this certificate on www.conasce.com. This certificate remains the property of CAC Conformity Assessment Center d.o.o. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 10 years from the registration of certificate. The above named firm must notify all changes related with the approved type to CAC. If CAC will not renew expiry date of this certificate the above named firm will stop the supply of product to market.

Issue date : 17.03.2021
Re-issue date : -
Validity date : 16.03.2022
Expiration date / period : 16.03.2024 / 3 years
Notified body number : 2828



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DECLARATION FOR PRODUCT TYPE IDENTITY

issued by;

Manufacturer's Name: Ören İnşaat Tesisat Sanayi Ticaret ve Limited Şirketi
 Manufacturer's Address: Fatih Mh. 19 mayos Blv. Astor İş Mrk. No:53/1B Esenyurt/İstanbul/ Türkiye

Ören LTD. As the original equipment manufacturer, declares under sole responsibility that all type of products supplies to:

Seller Name: Centrometal D.O.O.
 Seller Address: Glavna 12, 40306 Macinec, Hrvatska

are technically completely identical as specified in the table below:

CRUWA BY ÖREN		CENTROMETAL D.O.O.			
Product Name	Type Designe	Description			
CRW 2 C	Expansion Tank CRW 2 C / 10 Bar	Cylindrical model expansion tank, Max. Working pressure = 10 Bar			
CRW 5 C	Expansion Tank CRW 5 C / 10 Bar				
CRW 8 C	Expansion Tank CRW 8 C / 10 Bar				
CRW 12 C	Expansion Tank CRW 12 C / 10 Bar				
CRW 18 C	Expansion Tank CRW 18 C / 10 Bar				
CRW 24 C	Expansion Tank CRW 24 C / 10 Bar				
CRW 35 C	Expansion Tank CRW 35 C / 10 Bar				
CRW 50 C	Expansion Tank CRW 50 C / 10 Bar				
CRW 24 I	Expansion Tank CRW 24 I / 10 Bar			Italian model expansion tank, Max. Working pressure = 10 Bar	
CRW 24 V	Expansion Tank CRW 24 V / 10 Bar			Vertical model expansion tank with legs Max. Working pressure = 10 Bar	
CRW 35 V	Expansion Tank CRW 35 V / 10 Bar				
CRW 50 V	Expansion Tank CRW 50 V / 10 Bar				
CRW 60 V	Expansion Tank CRW 60 V / 10 Bar				
CRW 80 V	Expansion Tank CRW 80 V / 10 Bar				
CRW 100 V	Expansion Tank CRW 100 V / 10 Bar				
CRW 100 VM	Expansion Tank CRW 100 VM / 10 Bar				
CRW 150 VM	Expansion Tank CRW 150 VM / 10 Bar				
CRW 200 VM	Expansion Tank CRW 200 VM / 10 Bar				
CRW 250 VM	Expansion Tank CRW 250 VM / 10 Bar				
CRW 300 VM	Expansion Tank CRW 300 VM / 10 Bar				
CRW 400 VM	Expansion Tank CRW 400 VM / 10 Bar				
CRW 500 VM	Expansion Tank CRW 500 VM / 10 Bar				
CRW 600 VM	Expansion Tank CRW 600 VM / 10 Bar				
CRW 750 VM	Expansion Tank CRW 750 VM / 10 Bar				
CRW 800 VM	Expansion Tank CRW 800 VM / 10 Bar				
CRW 850 VM	Expansion Tank CRW 850 VM / 10 Bar				
CRW 1000 VM	Expansion Tank CRW 1000 VM / 10 Bar				
CRW 1500 VM	Expansion Tank CRW 1500 VM / 10 Bar				
CRW 2000 VM	Expansion Tank CRW 2000 VM / 10 Bar				
CRW 2500 VM	Expansion Tank CRW 2500 VM / 10 Bar				
CRW 3000 VM	Expansion Tank CRW 3000 VM / 10 Bar				
CRW 4000 VM	Expansion Tank CRW 4000 VM / 10 Bar				
CRW 5000 VM	Expansion Tank CRW 5000 VM / 10 Bar				
CRW 6000 VM	Expansion Tank CRW 6000 VM / 10 Bar				
CRW 7000 VM	Expansion Tank CRW 7000 VM / 10 Bar				
CRW 8000 VM	Expansion Tank CRW 8000 VM / 10 Bar				
CRW 10000 VM	Expansion Tank CRW 10000 VM / 10 Bar	Vertical model expansion tank with legs and manometer Max. Working pressure = 10 Bar			
CRW 24 H	Expansion Tank CRW 24 H / 10 Bar				
CRW 35 H	Expansion Tank CRW 35 H / 10 Bar				
CRW 50 H	Expansion Tank CRW 50 H / 10 Bar				
CRW 60 H	Expansion Tank CRW 60 H / 10 Bar				
CRW 80 H	Expansion Tank CRW 80 H / 10 Bar				
CRW 100 H	Expansion Tank CRW 100 H / 10 Bar	Horizontal model expansion tank with legs and motor base Max. Working pressure = 10 Bar			
CRW 2 C 16	Expansion Tank CRW 2 C / 16 Bar				
CRW 5 C 16	Expansion Tank CRW 5 C / 16 Bar				
CRW 8 C 16	Expansion Tank CRW 8 C / 16 Bar				
CRW 12 C 16	Expansion Tank CRW 12 C / 16 Bar				
CRW 18 C 16	Expansion Tank CRW 18 C / 16 Bar				
CRW 24 C 16	Expansion Tank CRW 24 C / 16 Bar				
CRW 35 C 16	Expansion Tank CRW 35 C / 16 Bar				
CRW 50 C 16	Expansion Tank CRW 50 C / 16 Bar	Cylindrical model expansion tank, Max. Working pressure = 16 Bar			
CRW 24 V 16	Expansion Tank CRW 24 V / 16 Bar				
CRW 35 V 16	Expansion Tank CRW 35 V / 16 Bar				
CRW 50 V 16	Expansion Tank CRW 50 V / 16 Bar				
CRW 60 V 16	Expansion Tank CRW 60 V / 16 Bar				
CRW 80 V 16	Expansion Tank CRW 80 V / 16 Bar				
CRW 100 V 16	Expansion Tank CRW 100 V / 16 Bar	Vertical model expansion tank with legs Max. Working pressure = 16 Bar			

CRW 100 VM 16	Expansion Tank	CRW 100 VM / 16 Bar	Vertical model expansion tank with legs and manometer Max. Working pressure = 16 Bar
CRW 150 VM 16	Expansion Tank	CRW 150 VM / 16 Bar	
CRW 200 VM 16	Expansion Tank	CRW 200 VM / 16 Bar	
CRW 300 VM 16	Expansion Tank	CRW 300 VM / 16 Bar	
CRW 500 VM 16	Expansion Tank	CRW 500 VM / 16 Bar	
CRW 600 VM 16	Expansion Tank	CRW 600 VM / 16 Bar	
CRW 750 VM 16	Expansion Tank	CRW 750 VM / 16 Bar	
CRW 850 VM 16	Expansion Tank	CRW 850 VM / 16 Bar	
CRW 1000 VM 16	Expansion Tank	CRW 1000 VM / 16 Bar	
CRW 1500 VM 16	Expansion Tank	CRW 1500 VM / 16 Bar	
CRW 2000 VM 16	Expansion Tank	CRW 2000 VM / 16 Bar	
CRW 2500 VM 16	Expansion Tank	CRW 2500 VM / 16 Bar	
CRW 3000 VM 16	Expansion Tank	CRW 3000 VM / 16 Bar	
CRW 4000 VM 16	Expansion Tank	CRW 4000 VM / 16 Bar	
CRW 5000 VM 16	Expansion Tank	CRW 5000 VM / 16 Bar	
CRW 24 C 25	Expansion Tank	CRW 24 C / 25 Bar	Cylindrical model expansion tank, Max.Working pressure = 25 Bar
CRW 100 VM 25	Expansion Tank	CRW 100 VM / 25 Bar	Vertical model expansion tank with legs and manometer Max. Working pressure = 25 Bar
CRW 150 VM 25	Expansion Tank	CRW 150 VM / 25 Bar	
CRW 200 VM 25	Expansion Tank	CRW 200 VM / 25 Bar	
CRW 300 VM 25	Expansion Tank	CRW 300 VM / 25 Bar	
CRW 500 VM 25	Expansion Tank	CRW 500 VM / 25 Bar	
CRW 1000 VM 25	Expansion Tank	CRW 1000 VM / 25 Bar	
CRW 1500 VM 25	Expansion Tank	CRW 1500 VM / 25 Bar	
CRW 2000 VM 25	Expansion Tank	CRW 2000 VM / 25 Bar	
CRW 2500 VM 25	Expansion Tank	CRW 2500 VM / 25 Bar	
CRW 3000 VM 25	Expansion Tank	CRW 3000 VM / 25 Bar	
CRW 4000 VM 25	Expansion Tank	CRW 4000 VM / 25 Bar	
CRW 5000 VM 25	Expansion Tank	CRW 5000 VM / 25 Bar	
CRWG 35	Expansion Tank	CRWG 35 / 10 Bar	Vertical model expansion tank with short legs Max. Working pressure = 10 Bar
CRWG 50	Expansion Tank	CRWG 50 / 10 Bar	
CRWG 60	Expansion Tank	CRWG 60 / 10 Bar	
CRWG 80	Expansion Tank	CRWG 80 / 10 Bar	
CRWG 100	Expansion Tank	CRWG 100 / 10 Bar	Vertical model expansion tank with short legs and manometer Max. Working pressure = 10 Bar
CRWG 150 M	Expansion Tank	CRWG 150 M / 10 Bar	
CRWG 200 M	Expansion Tank	CRWG 200 M / 10 Bar	
CRWG 300 M	Expansion Tank	CRWG 300 M / 10 Bar	
CRWG 500 N	Expansion Tank	CRWG 500 M / 10 Bar	

ÖRSİB
İNŞAAT TESİSAT SAN. ve TİC. LTD. ŞTİ.
 Fatih Mah. 19 Mayıs Bulvarı No:84 Astor İş Merkezi
 Zemin Kat Esenyurt / İST. Tel: 0212 699 07 60
 Fax: 0212 620 11 06 E-Posta: 0308 487 85 15
 Beylikdüzü V.D.660 002 1276 Tte. Sic. No: 177205/224787



STATEMENT EQUIVALENT

We, ÖREN İNŞAAT TESİSAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ (FATİH MAH. 19 MAYIS BLV. NO: 53/1B, ASTOR İŞ MRK. ZEMİN KAT ESENYURT / İSTANBUL-TÜRKİYE), herewith we declare under our own responsibility that the following products are technically identical. The below listed products are manufactured following the same project, they have the same construction, same design, same parameters, and technical characteristics

No.	Original model code	Technically identical code	No.	Original model code	Technically identical code
1	CRW 2 S	CRW 2 C	19	CRW 300 D	CRW 300 VM
2	CRW 5 S	CRW 5 C	20	CRW 500 D	CRW 500 VM
3	CRW 8 S	CRW 8 C	21	CRW 750 D	CRW 750 VM
4	CRW 12 S	CRW 12 C	22	CRW 850 D	CRW 850 VM
5	CRW 18 S	CRW 18 C	23	CRW 1000 D	CRW 1000 VM
6	CRW 24 S	CRW 24 C	24	CRW 1500 D	CRW 1500 VM
7	CRW 35 S	CRW 35 C	25	CRW 2000 D	CRW 2000 VM
8	CRW 50 S	CRW 50 C	26	CRW 2500 D	CRW 2500 VM
9	CRW 24 I	CRW 24 I	27	CRW 3000 D	CRW 3000 VM
10	CRW 24 D	CRW 24 V	28	CRW 4000 D	CRW 4000 VM
11	CRW 35 D	CRW 35 V	29	CRW 5000 D	CRW 5000 VM
12	CRW 50 D	CRW 50 V	30	CRW 24 Y	CRW 24 H
13	CRW 60 D	CRW 60 V	31	CRW 35 Y	CRW 35 H
14	CRW 80 D	CRW 80 V	32	CRW 50 Y	CRW 50 H
15	CRW 100 D	CRW 100 V	33	CRW 60 Y	CRW 60 H
16	CRW 100 DÇM	CRW 100 VM	34	CRW 80 Y	CRW 80 H
17	CRW 150 D	CRW 150 VM	35	CRW 100 Y	CRW 100 H
18	CRW 200 D	CRW 200 VM			

The EC declaration of conformity for the above mentioned products will be issued by CENTROMETAL D.O.O, Glavna 12, 40306 Macinec, Hrvatska, as our authorized representative, according to applicable European Directives and in conjunction with our CE certificates and test reports.

ÖREN İNŞAAT TES. SAN.VE TİC. LTD ŞTİ

14/07/2022

Erkin Murat Özcan

İSTANBUL

ÖREN
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