



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

November 13, 2024

ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6

**Workorder Type:** Registration - Fitting(Conventional)  
**Workorder No:** 14487157  
**Your Reference No.:** FITTING - R-1845 - EBRO ARMATUREN GEBR - NATIONAL SERVICE  
**Registered to:** EBRO ARMATUREN GEBR BROER GMBH

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0C25570.5  
Main Design No.: R-1845 Scope of Registration date 19-June-24 & Manufacturing Locations attached  
Expiry Date: Nov 13, 2034

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Code of construction is ASME B31.3

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

A handwritten signature in black ink, appearing to read "Shreyas Madhuranath", is written over a horizontal line.

Shreyas Madhuranath M.Eng, P.Eng  
Engineer, BPV  
Tel. : +1 416-734-3212  
Email : [smadhuranath@tssa.org](mailto:smadhuranath@tssa.org)



Technical Standards and Safety Authority  
 345 Carlingview Drive  
 Toronto, Ontario M9W 6N9  
 www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



## STATUTORY DECLARATION Registration of Fittings

I, Mr. Andreas Kohlscheen, Head of R&D Valve Technology  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ebro - Armaturen Gebr. Broer GmbH  
(Name of Manufacturer)

Located at Karlstr. 8, 58135 Hagen, Germany  
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the *Technical Standards and Safety Act*, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)  
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO:9001:2015 which has been verified by the following authority, TUV

The items covered by this declaration, for which I seek registration, are category C BUTTERFLY VALVES type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN, DRAWINGS, CALCULATIONS  
(drawings, calculations, test reports, etc.)

Declared before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
 the \_\_\_\_\_ day of \_\_\_\_\_ AD 20\_\_\_\_\_.

Commissioner for Oaths:

\_\_\_\_\_  
(Printed name)

\_\_\_\_\_  
(Signature)

  
(Signature of Declarer)

### FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the *Technical Standards and Safety Act*, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: \_\_\_\_\_

Registered by: \_\_\_\_\_

Dated: \_\_\_\_\_

Technical Standards and Safety Authority      Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C25570.5

Signed: 

Date: November 13, 2024.

**NOTE: This registration expires on: Nov 13, 2034 Code of construction is ASME B31.3**

*\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

UVZ-Nr. 430/2024

Upon request, in accordance with section 3, para. 1, no. 7 of the Certification Act, the party present declared that neither the officiating civil law notary nor any lawyer associated with him professionally had had any previous dealings with this matter beyond the scope of their professional activities.

I hereby certify that the above signature is the true signature of Mr. Andreas Kohlscheen born on 01.09.1963, business address Karlstraße 8, 58135 Hagen. The signature was made in my presence. Mr. Andreas Kohlscheen is personally known to me.

The certification took place in the office rooms of EBRO Armaturen Gebr. Bröer GmbH, Karlstraße 8, 58135, Hagen where the notary betook himself by request of the party.

Hagen, 15<sup>th</sup> August 2024

(Dr. Pohl)  
Notary





**SCOPE OF CRN REGISTRATION**

Product Description	Series	Design Code	Standard Material	End Connection	Size Range	MAWP at MAWT (Note 1, 2) (psig)	MDMT	Design Report
Butterfly Valves	F012-K1 / WN	ASME B31.3	Ductile Iron ASTM A536 65-45-12	Double Flanged with ASME B16.47 CL150 Series A Bolt pattern	28" (DN 700)	200 psig at 400°F	-20°F	R-1845 Rev. 0
					30" (DN 750)	200 psig at 400°F		
					32" (DN 800)	200 psig at 400°F		
					36" (DN 900)	180 psig at 400°F		
					40" (DN 1000)	200 psig at 400°F		
					44" (DN 1100)	200 psig at 400°F		
					48" (DN 1200)	170 psig at 400°F		
					52" (DN 1300)	145 psig at 400°F		
					56" (DN 1400)	200 psig at 400°F		
60" (DN 1500)	140 psig at 400°F							
Butterfly Valves	F012-K1 / WN	ASME B31.3	Ductile Iron ASTM A536 65-45-12	Double Flanged with ASME B16.1 CL125 Bolt pattern	72" (DN 1800)	60 psig at 400°F	-20°F	R-1845 Rev. 0

**Note 1:** MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design metal Temperature.

**Note 2:** The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult product literature.



**WORLDWIDE LOCATIONS APPENDIX**

**EBRO MANUFACTURING LOCATIONS  
& CERTIFYING AUTHORITIES**

---

(rev. Nov. 12, 2024)

**EBRO ARMATUREN Gebr. Bröer GmbH**

Karlstrasse 8  
58135 Hagen  
Germany

**ISO 9001:2015 Certified by TUV**

**Ebro Valves (Thailand) Co. LTD**

34/3 Moo4, Chonburi Industrial Estate,  
Highway #331 Rd.  
20230 Borwin, Siracha, Chonburi  
Thailand

**ISO 9001:2015 Certified by TUV**

**THIS IS PART OF CRN**

**0C25570.5**

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety  
Program