

September 01, 2020

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2020-04042, originally received on August 14, 2020 was surveyed and accepted for registration as follows:

CRN : 0C12594.52

Accepted on: September 01, 2020

Reg Type: RENEWAL

Expiry Date: April 24, 2030

Drawing No. : XOMOX XLD BUTTERFLY VALVES

Fitting type: VALVE

Design registered in the name of : CRANE CHEM-PHARMA/ENERGY FLOW SOLUTIONS

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is B16.42.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,



LIU, XING, P. Eng.
DOP Cert. No. D00008861

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Crane ChemPharma	
Manufacturers Address: 4444 Cooper rd. Cincinnati, Ohio 45242	
Plant Locations: Cincinnati	
Category of Fittings to be registered. Circle one Category only A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	Title of the Standard of Construction B16.42
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	Type of Construction Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input checked="" type="checkbox"/> Other <input type="checkbox"/> Describe other:
List of supporting documentation and identification of the actual items to be registered: XOMOX XLD Series Lined Butterfly Valves	

Declaration:

I Phillip Taylor (see note 3) employed by Crane ChemPharma and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by Det Norske Veritas (DNV) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Blue Ash, Ohio
 This 26 day of March AD 2019
 Commissioner of Oaths [Signature]
 Or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)



This space for the Official Seal
 Notary Public, State of Ohio
 My Comm. Expires 11/15/2019

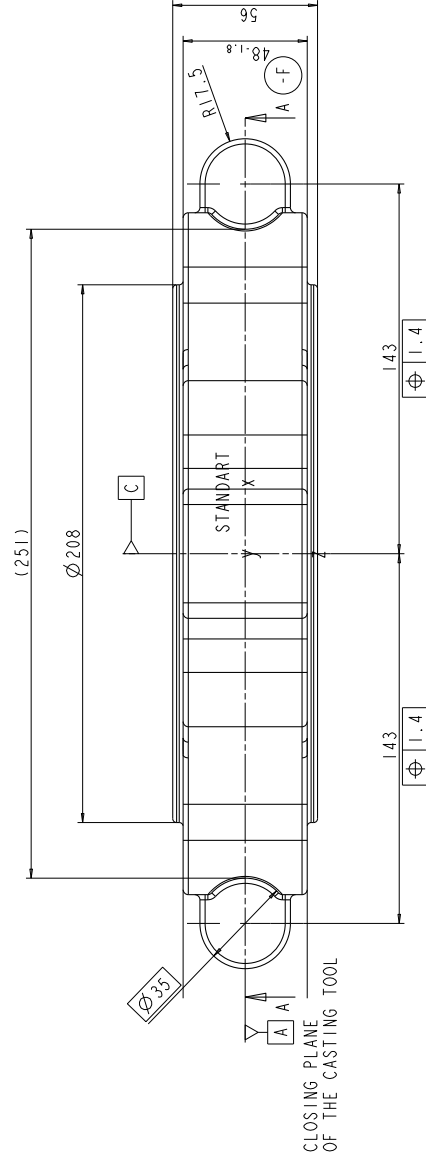
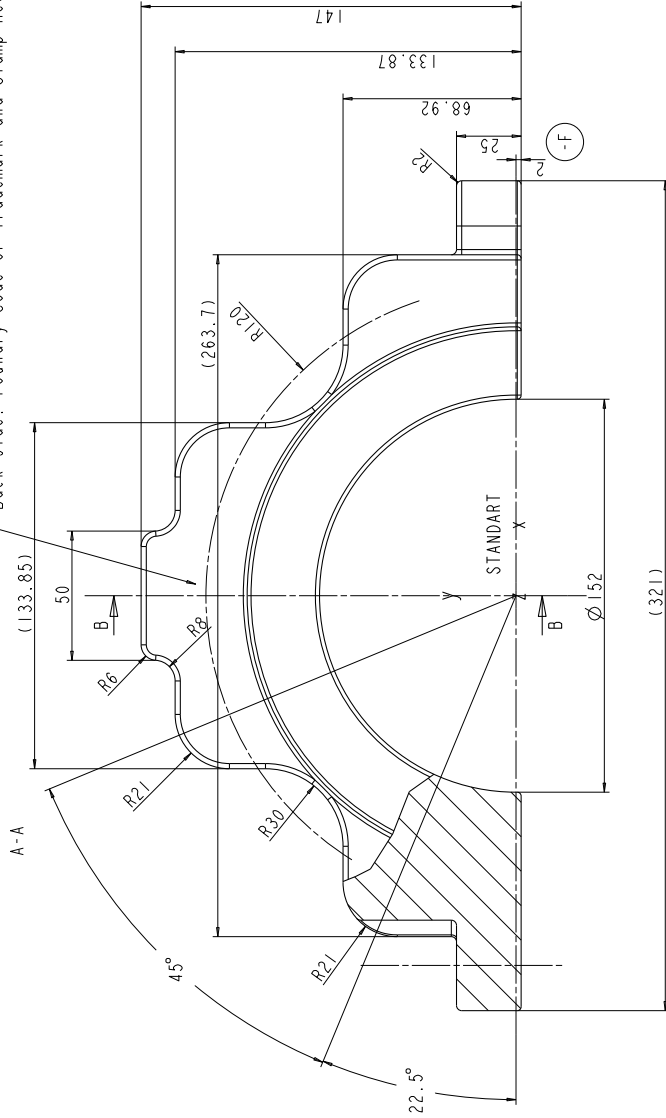
This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: _____ FID#: _____ Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation.	<div style="border: 2px solid red; padding: 10px; text-align: center;"> 2020-04042 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0C12594.52 See acceptance letter for conditions of registration. Date: 2020-09-01 By: <u>[Signature]</u> XING LIU, P. Eng. </div> <p style="font-size: small;">This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.</p>
11/2016	Sect 1.0 - Fittings Rev.2


Manufacturer Name: Crane Catalog #: CP-XOMOX-XLD-BU-EN-LT-2017_08_09
 Drawing(s) 28H110000150 Description: Lined Butterfly Valves
 28H120000150

Series or Model No. (Description)	Size	ASME Standard	Pressure Class	Minimum Wall (Actual) mm	Minimum Wall per ANSI B16.42, mm	ASME/ASTM Material ASME B16.42 Listed Sec. 5.1
XLD Lined Butterfly Valve	2"	B16.42	150	17.9	5.6	ASTM A395 DI
XLD Lined Butterfly Valve	4"	B16.42	150	28.3	6.3	ASTM A395 DI
XLD Lined Butterfly Valve	6"	B16.42	150	21.6	7.1	ASTM A395 DI
XLD Lined Butterfly Valve	8"	B16.42	150	27.3	7.9	ASTM A395 DI
XLD Lined Butterfly Valve	10"	B16.42	150	35.4	8.6	ASTM A395 DI
XLD Lined Butterfly Valve	12"	B16.42	150	45.4	9.5	ASTM A395 DI
XLD Lined Butterfly Valve	14"	B16.42	150	45.4	10.3	ASTM A395 DI
XLD Lined Butterfly Valve	16"	B16.42	150	52.8	11.1	ASTM A395 DI
XLD Lined Butterfly Valve	18"	B16.42	150	42.0	11.9	ASTM A395 DI
XLD Lined Butterfly Valve	20"	B16.42	150	45.5	12.7	ASTM A395 DI
XLD Lined Butterfly Valve	24"	B16.42	150	50.2	14.3	ASTM A395 DI



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Alle Maße in mm All dimensions in mm		ProFe - Zeichnung ! Nicht ändern ! Urheberrecht nach DIN ISO 16016 Copyright according to DIN 16016
Alle Maße in mm nach DIN ISO 228 11 1m2K Toleranz according to ISO 228 part 1m2K geZ: 13-Apr-05/91210 gen: 13-Apr-05/10210 gFr: 13-Apr-05/10210 Ref. Nr.: Land. Code:		XOMOX TUFLIN Armaturen Von-Böcking Str. 15 International GmbH, 016 D-88131 Lindau/B
DN PN/Class 150 16 TYP 1086 1:1		MASS
Zeichnungs-Nr.: 28H110000150 Rev.: F AI		RAW BOTTOM BODY

ALL RADIUS WITHOUT DIMENSION: R=2
TOLERANCE ACC. TO ISO 8062 CT9
ASPECT/CONTROL ACC. TO EN 12452 / MSS-SP-55

