ABSA
the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

July 23, 2024

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

The design submission, Tracking Number 2024-02575, Web Portal Number 2024-S1789, originally received on May 01, 2024 was surveyed and accepted for registration as follows:

CRN : 0F15806.52 **Accepted on:** July 23, 2024

Reg Type: RENEWAL **Expiry Date:** March 18, 2034

Drawing No. : CONCOA 700 SERIES STYLE FLOWMETERS As Noted

Fitting type: Flow meters

Design registered in the name of : CONTROLS CORPORATION OF AMERICA

Description	MAWP	Design Temperature
As per registration documents		

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

- Scope of this registration is a renewal of the CRN only. Registration does not cover product additons, material or design changes.
As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction are ASME B31.3 and other engineering analysis.
- 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 or AB-351 Declaration of Conformity 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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 3362 or fax (780) 437-7787 or e-mail Blair@absa.ca.

Sincerely,

BLAIR, JODY, P. Eng.
DOP Cert. No. D00010552

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

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

STATUTORY DECLARATION
Registration of Fittings

I, John Friedrichs
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Controls Corporation of America
(Name of Manufacturer)

Located at 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A. 757-422-8330 757-422-3125
(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 4x burst pressure 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 which has been verified by the following authority, Perry Johnson Registrars.

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

Catalog Pages, Design Drawings and Test Reports
(drawings, calculations, test reports, etc.)

Declared before me at CONCOA **in the** CITY **of** VA BEACH

the 8th **day of** January **AD 20** 24.

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

Commissioner for Oaths:

MIRIAM DURAN
(Printed name)

Miriam Duran
(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 _____.

CRN: _____

Registered by: _____

Dated: _____

2024-02575
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0F15806.52
See acceptance letter for conditions of registration.
Date: 2024-07-23 By:
JODY BLAIR, P. Eng.
DOP: D00010552
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.

NOTE: This registration expires on: _____

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

Expiry date: March 18 2034

700 Series Flowmeters

The 700 Series single range flowmeters are intended for welding applications requiring frequent changes in gas flow and applications where a single flow scale will accommodate gas requirements. 700 Series flowmeters can operate at either a fixed flowmeter pressure of 30 PSIG (2 BAR) or from a regulator capable of supplying 0-30 PSIG (0-2 BAR). When using the gas-saver flowmeter with an adjustable pressure regulator, the user may adjust the regulator pressure while observing the flow on the flowmeter scale. CONCOA 700 Series flowmeters, engineered for ruggedness in medium flow industrial applications, significantly decrease shield gas waste during welding applications by reducing gas surge and improving flow control.

805 0709-01-1 shown

Typical Applications

- Oxyfuel Cutting, Heating, and Welding
- Plasma Cutting
- Heat Treatment
- Thermal Spray
- Modified Atmosphere Packaging (MAP)

Features

Dual Scale Flow Tube enables process flexibility

Resettable Relief Mechanism lowers maintenance costs

Non-compensated Flowmeter Model eliminates gas surge

Gas Saver Model controls gas delivery and minimizes wasted gas

Materials and Specifications

Max Inlet Pressure: 75 PSIG (5 BAR)

Body: Forged brass

Outlet Valve: Brass

Inlet Filter: 50-micron sintered bronze

Seal: Chloroprene

Temperature Range: -40 to 140° F (-40 to 60° C)

Conformances: CRN OF15806.52

2024-02575
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0F15806.52
See acceptance letter for conditions of registration.
Date: 2024-07-23 By:
JODY BLAIR, P. Eng.
DOP: D00010552
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.

Ordering Information

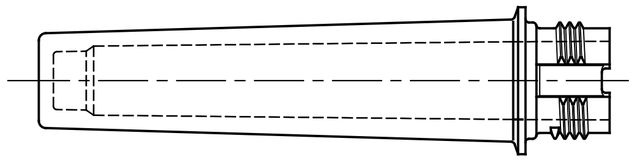
Part Number	Gas Service	Inlet Connection	Flow Range (SCFH)	Outlet Connection	Compensated PSIG
805 0708-01-1	General Purpose	5/8 in -18 (B) RH Ext.	05-60 Multi Gas	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0709-01-1	Argon/Argon Mixes	5/8 in -18 (B) RH Ext.	10-60 Ar-CO2/10-70 Ar/40-200 Ar-He	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0720-01-1	Argon/Carbon Dioxide	5/8 in -18 (B) RH Ext.	10-60 Argon/10-55 Carbon Dioxide	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0721-01-1	Argon/Helium	5/8 in -18 (B) RH Ext.	10-60 Argon/30-200 Helium	5/8 in -18 (B) RH Int.	30 (Straight Inlet)
805 0725-01-1	Argon/Helium**	5/8 in -18 (B) RH Ext.	10-60 Argon/30-200 Helium	5/8 in -18 (B) RH Int.	0 (Elbow Model)
805 0727-01-1	Argon/Carbon Dioxide	1/4 in MNPT	10-60 Argon/10-55 Carbon Dioxide	5/8 in -18 (B) RH Int.	30 (Dual Flowmeters)
805 0728-01-1	Argon/Helium	1/4 in MNPT	10-60 Argon/30-200 Helium	5/8 in -18 (B) RH Int.	30 (Dual Flowmeters)

*** Gas saver model must be used with an adjustable pressure regulator*

REVISIONS

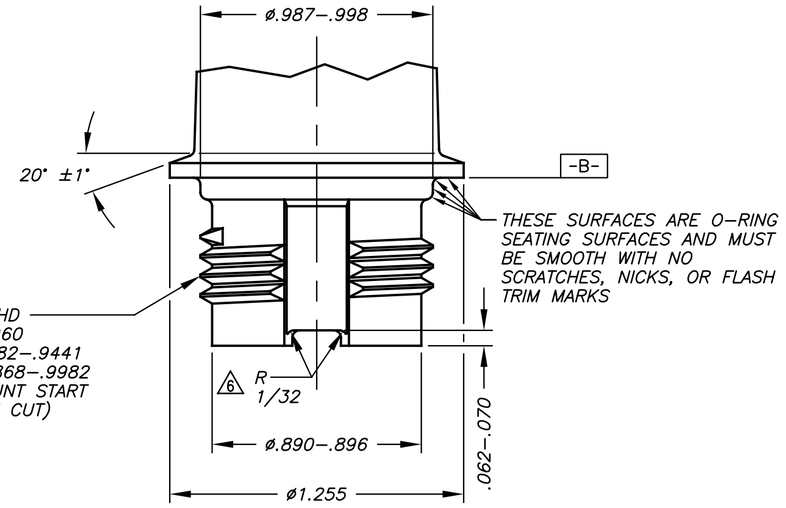
NO	ECN NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED
6	04-187	MOVED FROM HAND-DRAWN, REMOVED ALT MAT'L "Mobay Chemical Co. Makrolon 3103 Color 1112"	AEW	4/19/2004	----------
7	04-797	MATL SPEC WAS "-111" "WATER CLEAR", ADDED TO MATL SPEC "WITH BLUE TINT"	AEW	1/27/2005	R. Cooper 1/18/2005
8	18-161	MATL SPEC WAS "LEXAN 103-1112 U.V. STABILIZED CLEAR POLYCARBONATE WITH BLUE TINT"	AEW	6/4/2018	A. Whitaker 5/29/2018

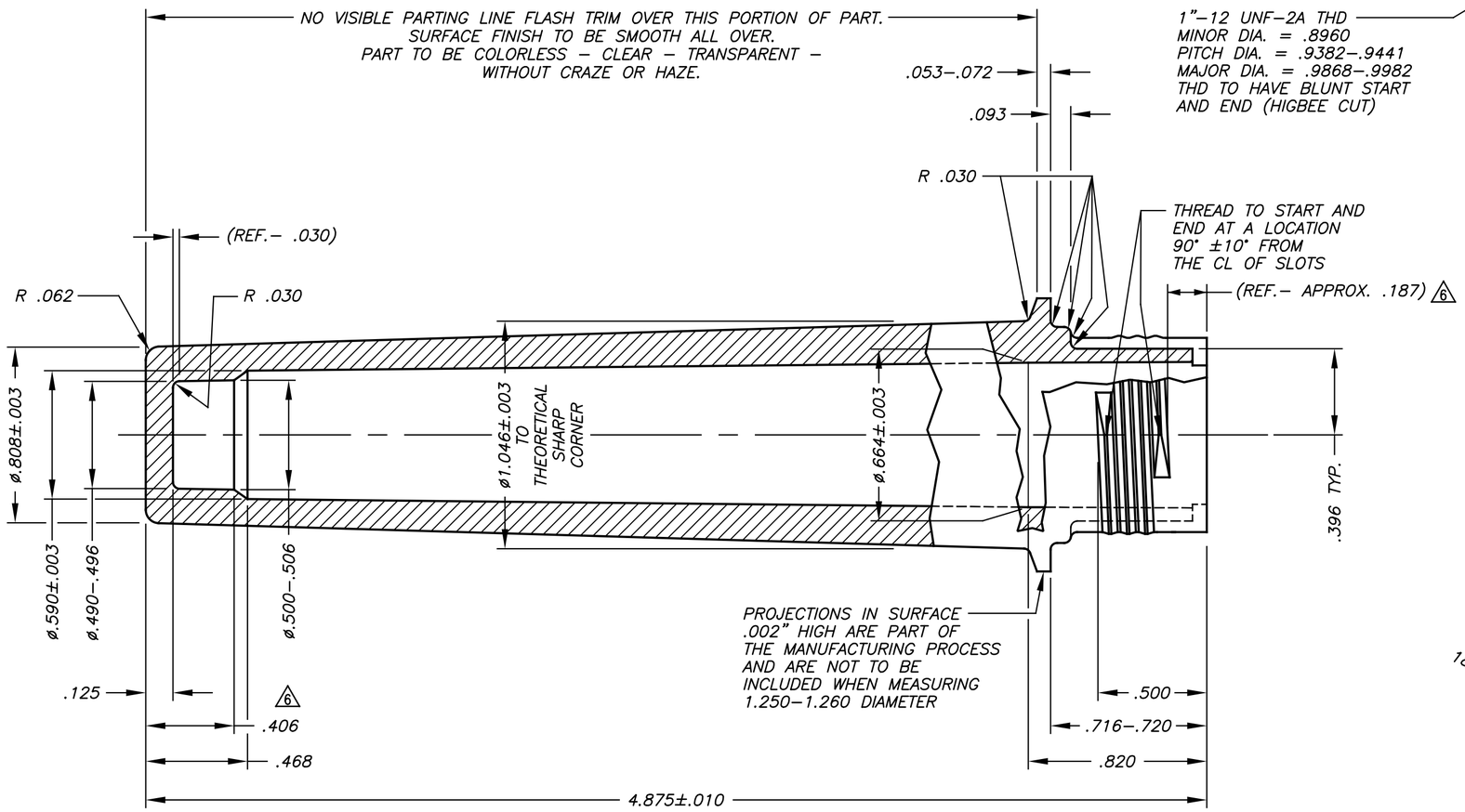
PT NO 801 4405

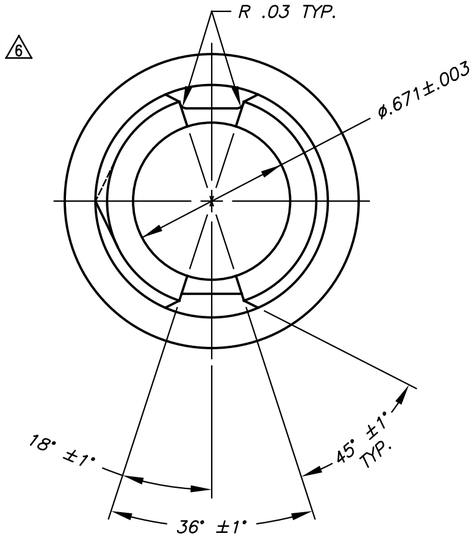


FULL SCALE

NOTES:
1. INSIDE DIAMETER TO BE CONCENTRIC TO OUTSIDE DIAMETER TO WITHIN .020 T.I.R.
2. SURFACE "-B-" TO BE SQUARE TO CL TO WITHIN .005 T.I.R.
3. MOLD TO HAVE S.P.E. #2 FINISH.
4. GATING TO BE TRIMMED FLUSH.
5. GATE AT CLOSED END.







SCALE: 4:1	THIRD ANGLE PROJECTION
TITLE BLOCK REVISION: #7	REVISION DATE: 1/31/2003
CAD FILENAME: 8014405.dwg	
WHERE USED: FLOWMETER REGS, i.e. 806 7717, 806 7737, 806 7777	

TOLERANCE UNLESS OTHERWISE SPEC'D
DIMENSIONS ARE IN INCHES
DIM. & TOL. PER ANSI Y14.5
FINISH: 63
XXX DECIMALS: ±.005
XX DECIMALS: ±.010
FRACTIONS: ±1/64
ANGLES: ±2°
FILLET RADII: R 1/64
BREAK EDGES: .002-.010
CAGE NUMBER: ØA389

DRAWN BY	A. Whitaker 4/19/2004
DESIGN ENGINEERING	A. Whitaker 4/5/2004
MANUFACTURING ENG	M. Wilson 4/12/2004
QUALITY ASSURANCE	E.Filomarino 4/12/2004

6 7 8 LEXAN 103 -or- LEXAN 103R U.V. STABILIZED CLEAR POLYCARBONATE WITH BLUE TINT

MATERIAL / DESCRIPTION

CONCOA CONTROLS CORPORATION OF AMERICA
PRODUCT ENGINEERING DEPARTMENT
VIRGINIA BEACH, VA 23454

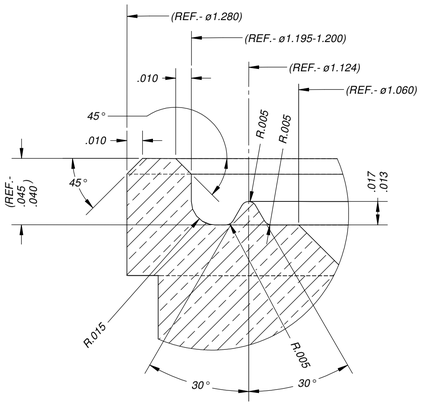
PART NO. 801 4405

TITLE: CASING, _FLOWMETER___ 6

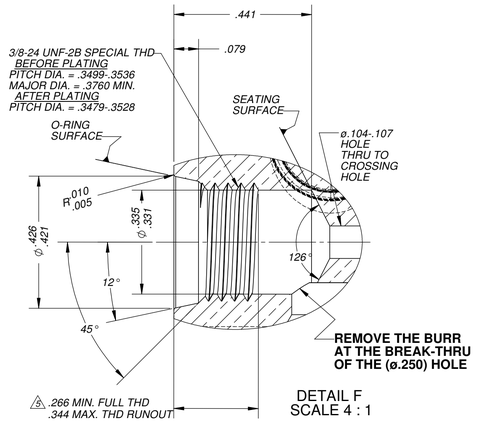
ISSUING REFERENCE DOCUMENT # ECN 82-0209

SIZE C

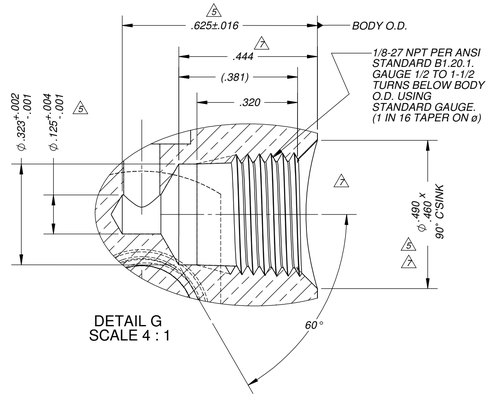
REVISIONS						PT NO
NO.	ECN NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED	801 4449
4	08-038	Used to use blank #8019002; incorporated geometry from blank into this dwg; was b-size	AEW	1/30/2008	----------	
5	09-279	Consolidated 3 step dwg into 1 step dwg, converted fractions to decimal, was AutoCAD format	AEW	7/2/2009	A. Whitaker 6/9/2009	
6	12-175	ø.433 lead-in diameter to conical seat at 5/8-18 thd was ø.443	AEW	9/21/2012	A. Whitaker 9/14/2012	
7	13-025	Adjusted 1/8" NPT for form tool: "444" was ".440"; "ø.460-.490 C'SINK" was "ø.469±.016"; removed ø.343±.002" theoretical conical feature intersection.	AEW	3/11/2013	A. Whitaker 3/6/2013	



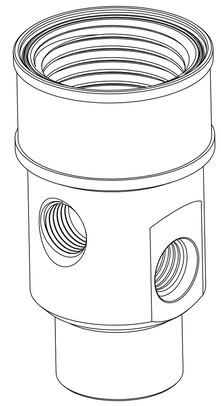
DETAIL E
SCALE 20 : 1



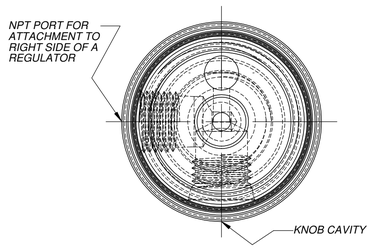
DETAIL F
SCALE 4 : 1

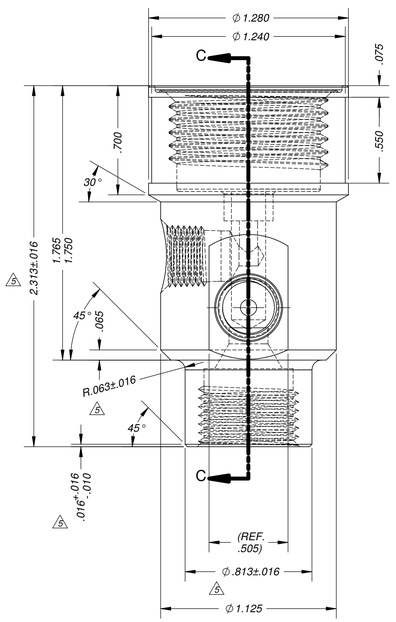


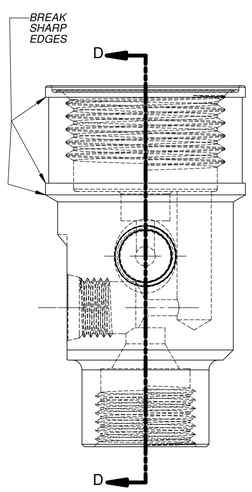
DETAIL G
SCALE 4 : 1

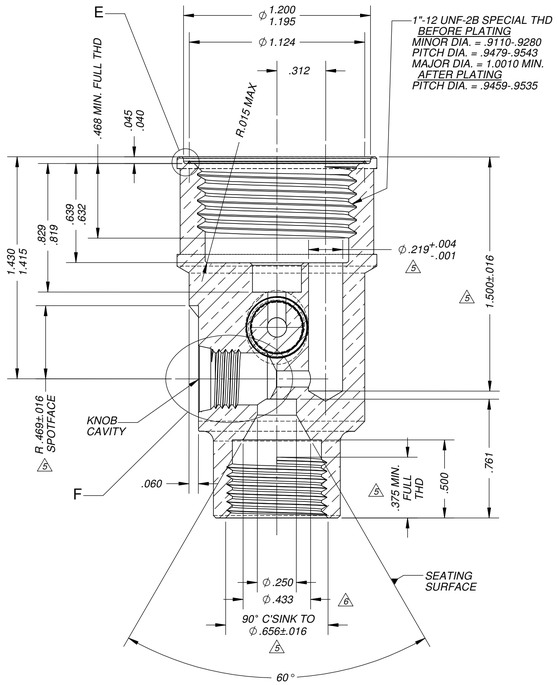


ISOMETRIC VIEW

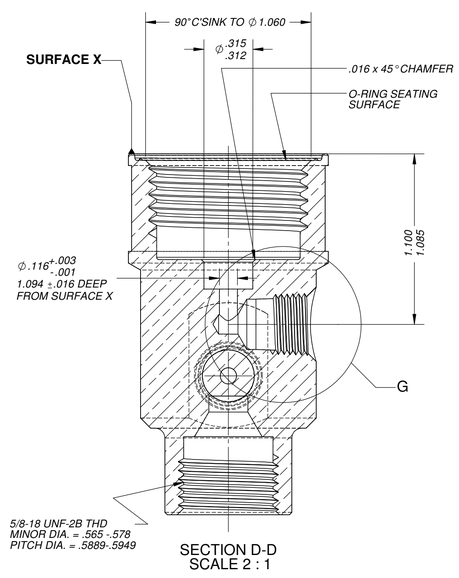








SECTION C-C
SCALE 2 : 1



SECTION D-D
SCALE 2 : 1

NOTES:

1. *REFER TO MS 2000 (CONCOA MANUFACTURING SPECIFICATIONS DOCUMENT) FOR ACTIVE REVISION OF REFERENCED STANDARDS.*

Note:
This drawing provided in .pdf format is a copy of the controlled Solid Works files which are stored in CONCOA's Solid Works Vault. The controlled electronic files may be obtained from the Solid Works Vault and exported to file types (i.e., AutoCAD .dwg format) as required by vendors (consult the Engineering Department for more information).

SCALE: 2:1	THIRD ANGLE PROJECTION	TOLERANCE UNLESS OTHERWISE SPEC'D DIMENSIONS ARE IN INCHES DIM. & TOL. PER ANSI Y14.5	DRAWN BY A.Whitaker 1/30/2008
TITLE BLOCK REVISION: #7	REVISION DATE: 1/31/2003	FINISH: XXX DECIMALS: ±.005 XX DECIMALS: ±.010 FRACTIONS: ±1/64 ANGLES: ±2° FILLET RADII: R 1/64 BREAK EDGES: .002-.010	DESIGN ENGINEERING J.Pearson 1/28/2008
CAD FILENAME: 8014449.SLDDRW			MANUFACTURING ENG M.Wilson 1/30/2008
WHERE USED: FLOWMETERS		CAGE NUMBER: ø A389	QUALITY ASSURANCE J.Boone 1/30/2008

MATERIAL / DESCRIPTION: BRASS PER ASTM STANDARD B-16, UNS-36000

CONCOA — CONTROLS CORPORATION OF AMERICA, PRODUCT ENGINEERING DEPARTMENT, VIRGINIA BEACH, VA 23454

PART NO. 801 4449

TITLE: BODY, FLM BRS 2PORT INRTB MIRROR

SHEET 1 OF 1

ISSUING REFERENCE DOCUMENT# ECN 96-0917

SIZE D

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

www.tssa.org

March 18, 2024

CONTROLS CORPORATION OF AMERICA
1501 HARPERS RD
VIRGINIA BEACH VA 23454

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14232032
Your Reference No.: FITTING RENEWAL 0F15806.5 - NATIONAL SERVICE
Registered to: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

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

CRN : 0F15806.5R1
Main Design No.: CONCOA 700 Series Style Flowmeters using 8014405 flow-tube casing
Expiry Date: Mar 18, 2034

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

1.Renewal of CRN only. Registration does not cover product additions, material or design changes 2. 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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Shreyas Madhuranath M.Eng, P.Eng
Engineer, BPV

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

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

STATUTORY DECLARATION
Registration of Fittings

I, John Friedrichs
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Controls Corporation of America
(Name of Manufacturer)

Located at 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A. 757-422-8330 757-422-3125
(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 4x burst pressure 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 which has been verified by the following authority, Perry Johnson Registrars.

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

Catalog Pages, Design Drawings and Test Reports
(drawings, calculations, test reports, etc.)

Declared before me at CONCOA **in the** CITY **of** VA BEACH

the 8th **day of** January **AD 20** 24.

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

Commissioner for Oaths:

MIRIAM DURAN
(Printed name)

Miriam Duran
(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 F.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: Mar 18, 2034

Technical Standards and Safety Authority — Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0F15806.5R1

Signed:

Date: March 18, 2024.

1.Renewal of CRN only. Registration does not cover product additions, material or design changes
2. 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.*

CONCOA CRN Testing Summary Sheet

Package 10 - Type F
700 Flowmeters

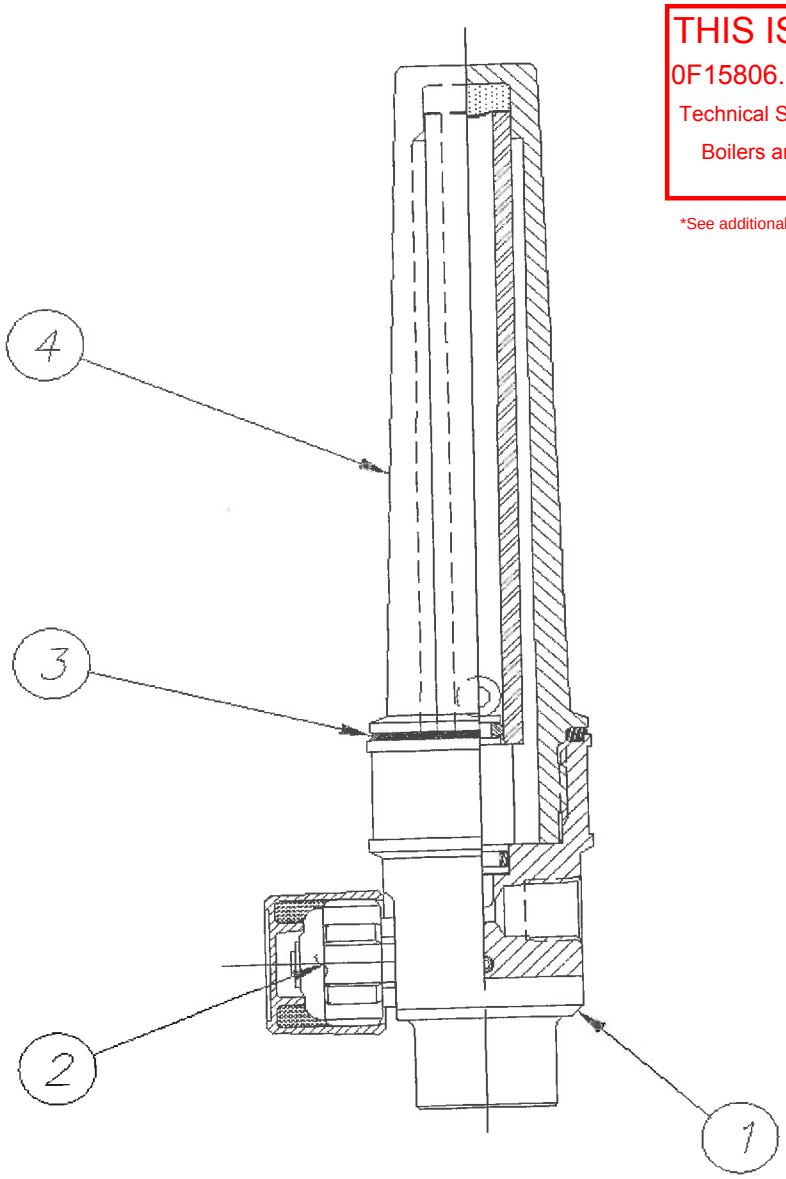
Scope: CONCOA 700 Series Style Flowmeters - using 8014405 flowtube casing

Comments: CONCOA 700 series style flowmeters consist of a brass body (Item 1 below), Valve or plug (Item 2 below), a blowout safety sealing ring (item 3 below), internal flowtube components, and an outer flowtube casing (Item 4 below). CONCOA uses 5 different bodies (Item 1), each having a different outlet connection (bottom of view); therefore, each of the bodies was burst tested to show compliance with CRN requirements (fully assembled into complete flowmeters using items shown below).

THIS IS PART OF CRN
0F15806.5R1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

*See additional notes on the registration letter

Sketch:



Note: Test results reflect testing of the highest rated inlet and outet pressures of the entire series - testing the components with the thinnest wall thickness and weakest materials (worst case items in the design). All models in scope have same geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested items.

Technical Safety Authority of Saskatchewan

2202 2nd Avenue
Regina, SK S4R 1K3 Canada
1 (866) 530-8599
info@tsask.ca
www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

May 10, 2024

TSSA
345 Carlingview Dr.
Toronto, ON
Canada
M9W 6N9

Attention: Cecylia Garbacz **File Number: 100828**

Re: Manufacturer: **Controls Corporation of America**

Item: **Flowmeters**

Catalog or Drawing: **Per CONCOA Summary Sheet 700 Flowmeters & Product Drawings and Catalog**

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

0F15806.53 **Expiry Date: 2034-03-18**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng.

Codes and Standards Compliance

Remarks:

Conditional upon compliance with the notes on the TSSA registration.

Code of Construction: ASME B31.3

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

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

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

STATUTORY DECLARATION
Registration of Fittings

I, John Friedrichs
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Controls Corporation of America
(Name of Manufacturer)

Located at 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A. 757-422-8330 757-422-3125
(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 4x burst pressure 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 which has been verified by the following authority, Perry Johnson Registrars.

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

Catalog Pages, Design Drawings and Test Reports
(drawings, calculations, test reports, etc.)

Declared before me at CONCOA **in the** CITY **of** VA BEACH

the 8th **day of** January **AD 20** 24.

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

Commissioner for Oaths:

MIRIAM DURAN
(Printed name)

Miriam Duran
(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 _____.

CRN: _____

Registered by: _____

Dated: _____

Technical Safety Authority of Saskatchewan

Registration No. 0F15806.53

File No. 100828

Registered

Date: May 10, 2024

Expiry Date: March 18, 2034

Codes & Standards Compliance Office

NOTE: This registration expires on: _____

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

CONCOA CRN Testing Summary Sheet

Package 10 - Type F
700 Flowmeters

Scope: CONCOA 700 Series Style Flowmeters - using 8014405 flowtube casing

Comments: CONCOA 700 series style flowmeters consist of a brass body (Item 1 below), Valve or plug (Item 2 below), a blowout safety sealing ring (item 3 below), internal flowtube components, and an outer flowtube casing (Item 4 below). CONCOA uses 5 different bodies (Item 1), each having a different outlet connection (bottom of view); therefore, each of the bodies was burst tested to show compliance with CRN requirements (fully assembled into complete flowmeters using items shown below).

Technical Safety Authority of Saskatchewan
Registration No. 0F15806.53
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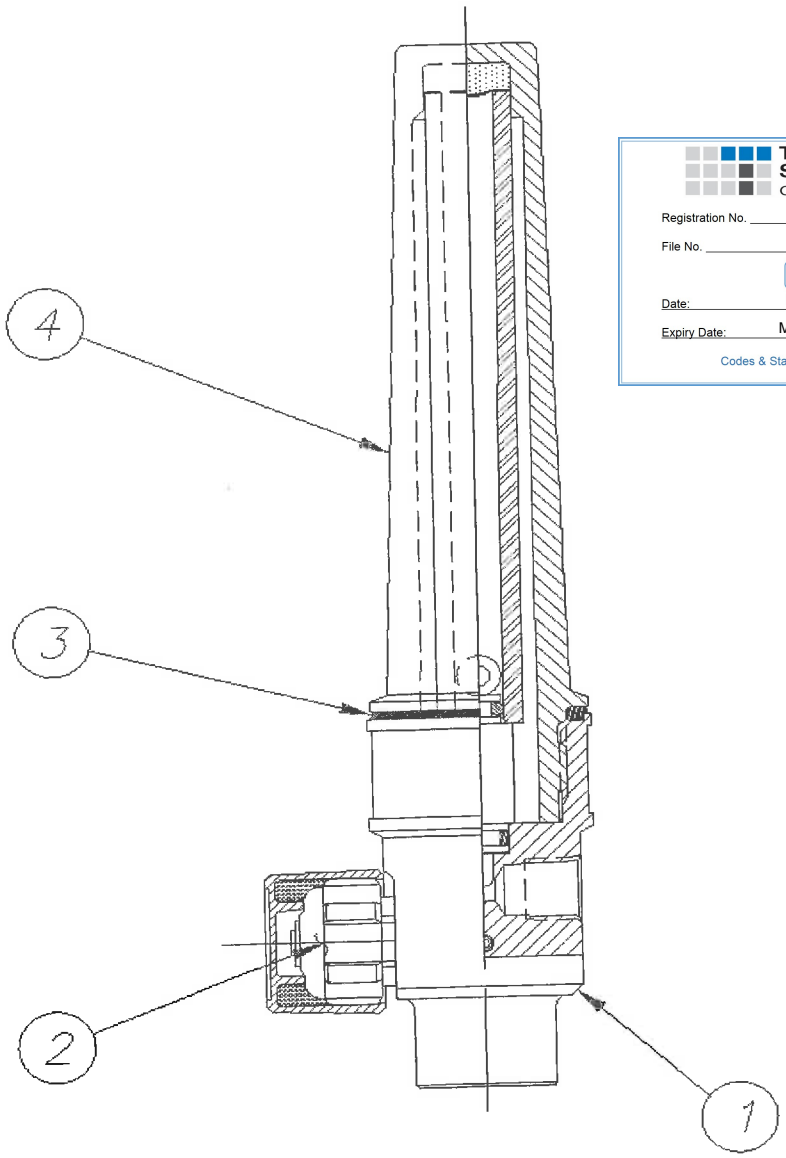
Sketch:



Note: Test results reflect testing of the highest rated inlet and outet pressures of the entire series - testing the components with the thinnest wall thickness and weakest materials (worst case items in the design). All models in scope have same geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested items.

Top Level	Top Level Description	Part Number	Description	Inlet Pressure Rating	Outlet Pressure Rating	Existing CRN?	Existing CRN Inlet Pressure Rating	Existing CRN Outlet Pressure Rating	Dimensions	Material
8010709	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010709	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010710	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010710	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010711	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010711	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010712	Flowmeter	8014405	Casing	75 psig	75 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010712	Flowmeter	8014447	Body	75 psig	75 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010713	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010713	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010714	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010714	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010718	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010718	Flowmeter	8014622	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010719	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010719	Flowmeter	8014623	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010811	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010811	Flowmeter	8014610	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010812	Flowmeter	8014405	Casing	75 psig	75 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010812	Flowmeter	8014610	Body	75 psig	75 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011500	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011500	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011500	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011500	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011501	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011501	Flowmeter	8014603	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011502	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011502	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011503	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011503	Flowmeter	8014449	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011504	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011504	Flowmeter	8014603	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011505	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011505	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011506	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011506	Flowmeter	8014449	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011507	Flowmeter	8014405	Casing	75 psig	75 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011507	Flowmeter	8014447	Body	75 psig	75 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011508	Flowmeter	8014405	Casing	75 psig	75 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011508	Flowmeter	8014449	Body	75 psig	75 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011509	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011509	Flowmeter	8014449	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050710	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050710	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050716	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050716	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050720	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050720	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050721	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050721	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050722	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050722	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050723	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate

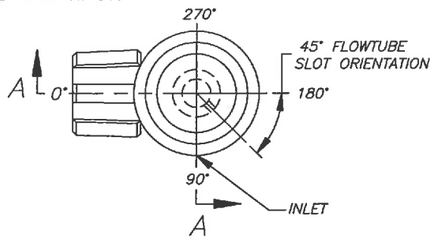
Top Level	Top Level Description	Part Number	Description	Inlet Pressure Rating	Outlet Pressure Rating	Existing CRN?	Existing CRN Inlet Pressure Rating	Existing CRN Outlet Pressure Rating	Dimensions	Material
8050723	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050725	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050725	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050727	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050727	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050728	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050728	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050730	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050730	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052081	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052081	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052082	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052082	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052083	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052083	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052084	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052084	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052085	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052085	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052086	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052086	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052151	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052151	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052152	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052152	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052153	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052153	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052155	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052155	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052164	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052164	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052165	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052165	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052216	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052216	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052217	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052217	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052218	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052218	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052219	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052219	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052220	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052220	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052221	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052221	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052247	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052247	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052250	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052250	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052251	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052251	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16

Top Level	Top Level Description	Part Number	Description	Inlet Pressure Rating	Outlet Pressure Rating	Existing CRN?	Existing CRN Inlet Pressure Rating	Existing CRN Outlet Pressure Rating	Dimensions	Material
8052253	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052253	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052254	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052254	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052257	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052257	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052258	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052258	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052270	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052270	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052272	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052272	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052275	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052275	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052277	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052277	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052280	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052280	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052283	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052283	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052284	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052284	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052285	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052285	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052287	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052287	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052288	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052288	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052289	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052289	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052290	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052290	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052291	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052291	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052292	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052292	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052293	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052293	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052294	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052294	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052295	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052295	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052296	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052296	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052297	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052297	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052298	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052298	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052299	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052299	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052311	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate

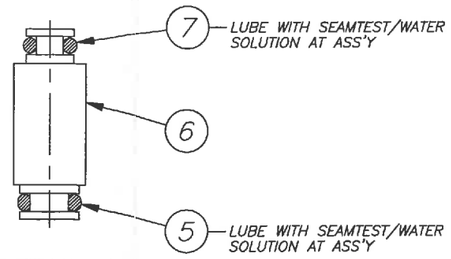
Top Level	Top Level Description	Part Number	Description	Inlet Pressure Rating	Outlet Pressure Rating	Existing CRN?	Existing CRN Inlet Pressure Rating	Existing CRN Outlet Pressure Rating	Dimensions	Material
8052311	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052312	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052312	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052313	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052313	Flowmeter	8014623	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010713XA	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010713XA	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8010811-3A	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8010811-3A	Flowmeter	8014610	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011502XA	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011502XA	Flowmeter	8014447	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011503XA	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011503XA	Flowmeter	8014449	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8011503XB	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8011503XB	Flowmeter	8014449	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8050720XB	Flowmeter	8014405	Casing	30 psig	30 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8050720XB	Flowmeter	8014603	Body	30 psig	30 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052152-3S	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052152-3S	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052154-3U	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052154-3U	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052155-3S	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052155-3S	Flowmeter	8014604	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052165-3C	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052165-3C	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052165-3C	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052165-3C	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052165-3S	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052165-3S	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052291-3U	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052291-3U	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16
8052300-3C	Flowmeter	8014405	Casing	50 psig	50 psig				1.255 OD x 4.875 OAL	Lexan 103-1112 U.V. Stabilized Clear Polycarbonate
8052300-3C	Flowmeter	8014603	Body	50 psig	50 psig				1.280 OD x <3.00 OAL	Brass, UNS C36000 per ASTM B-16

REVISIONS						PT NO
NO	ECN NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED	801 0710
8	01-0387	EXTENSIVELY REVISED - MOVED TO CURRENT C-SIZE, ADDED FILTER 801 5599 TO INLET	AEW	10/15/2001	
9	03-347	ADDED DYNASTEM VALVE NOTE	AEW	7/28/2003	A. Whitaker 7/9/2003

NOTE: SCALE TO BE CENTERED AT 315°

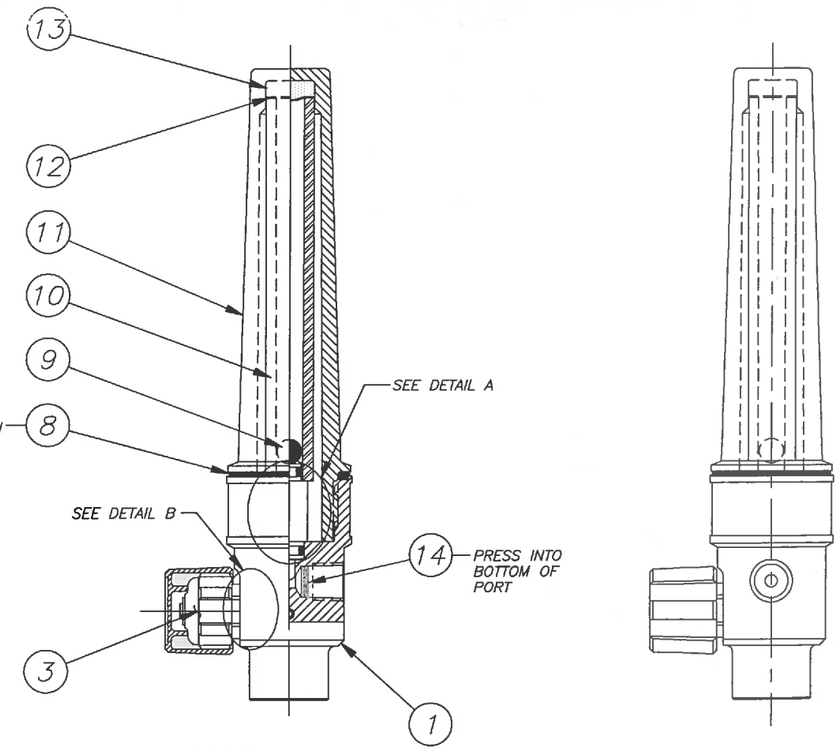


TOP VIEW
(FLOWMETERING TUBE LOCATION)

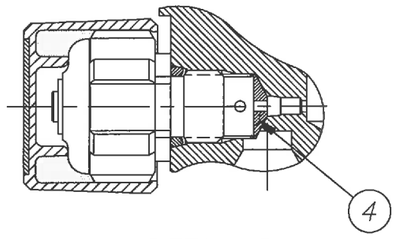


DETAIL A
SCALE = 2:1

Technical Safety Authority of Saskatchewan
Registration No. 0F15806.53
File No. 100828
Registered
Date: May 10, 2024
Expiry Date: March 18, 2034
Codes & Standards Compliance Office



SECTION A-A



DETAIL B
SCALE = 2:1

⚠9 NOTES:
1. THIS FLOWMETER USES A "DYNASTEM" VALVE, AND FINAL ASS'YS USING THIS FLOWMETER ARE TO HAVE A REFERENCE TO THIS FACT ON THE BOX LABEL.

ITEM	PART NO / SIZE	QTY	MATERIAL / DESCRIPTION
14	801 5599	1	FILTER, INLET
13	801 4410	1	BUMPER
12	801 0717	1	DISC, TEFLON
11	801 4405	1	CASING, FLOWMETER
10	801 5537	1	TUBE, FLOWMETERING
9	830 8386	1	FLOAT, 316 STAINLESS, ø6.25mm
8	801 4404	1	O-RING
7	831 4074	1	O-RING
6	801 4417	1	HOLDER, TUBE
5	831 7758	1	O-RING
4	831 5507	1	DISK, FLOWMETER SEAT (KEL-F)
3	831 5510	1	VALVE STEM ASS'Y
2			
1	801 4447	1	BODY, FLOWMETER

SCALE: 1:1 | THIRD ANGLE PROJECTION
TITLE BLOCK REVISION: #7 | REVISION DATE: 1/31/2003
CAD FILENAME: 8010710.dwg
WHERE USED: 805 0720
TOLERANCE UNLESS OTHERWISE SPEC'D
DIMENSIONS ARE IN INCHES
DIM. & TOL. PER ANSI Y14.5
FINISH: ψ
XXX DECIMALS: ±.005
XX DECIMALS: ±.010
FRACTIONS: ±1/64
ANGLES: ±2°
FILLET RADII: R 1/64
BREAK EDGES: .002-.010
CAGE NUMBER: ØA389
DRAWN BY: A. Whitaker 10/16/2001
DESIGN ENGINEERING: R. Cooper 10/15/2001
MANUFACTURING ENG: M. Wilson 10/15/2001
QUALITY ASSURANCE: E. Filomarino 10/15/2001

CONCOA CONTROLS CORPORATION OF AMERICA
PRODUCT ENGINEERING DEPARTMENT
VIRGINIA BEACH, VA 23454

TITLE: FLOWMTR, _700__BRS___ 60_CFH_AR/C02 ⚠9

PART NO. 801 0710
ISSUING REFERENCE DOCUMENT # ECO 01-0387
SIZE C

Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, 3 juin 2024.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Fabricant : CONTROLS CORPORATION OF AMERICA
1501 HARPERS ROAD
VA BEACH VA
U.S.A. 23454

Numéro de dossier : 944017
Numéro(s) de dessin(s) : 700 Serie Style Flowmeters using 8014405 flow-tube

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0F15806.56.**

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Salutations distinguées,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal
255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, le 3 juin 2024.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Manufacturer : CONTROLS CORPORATION OF AMERICA
1501 HARPERS ROAD
VA BEACH VA
U.S.A. 23454

OUR REFERENCE : 944017
Design number : 700 Serie Style Flowmeters using 8014405 flow-tube

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F15806.56.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal
255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

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

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

STATUTORY DECLARATION
Registration of Fittings

I, John Friedrichs
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Controls Corporation of America
(Name of Manufacturer)

Located at 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A. 757-422-8330 757-422-3125
(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 4x burst pressure 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 which has been verified by the following authority, Perry Johnson Registrars.

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

Catalog Pages, Design Drawings and Test Reports
(drawings, calculations, test reports, etc.)

Declared before me at CONCOA **in the** CITY **of** VA BEACH

the 8th **day of** January **AD 20** 24.

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

Commissioner for Oaths:

MIRIAM DURAN
(Printed name)

Miriam Duran
(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 _____.

CRN: _____

Registered by: _____

Dated: _____

Enregistré au Québec
OF15806.56
Régie du bâtiment Québec
29/05/2024
Revue par la RBQ

NOTE: This registration expires on: _____

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

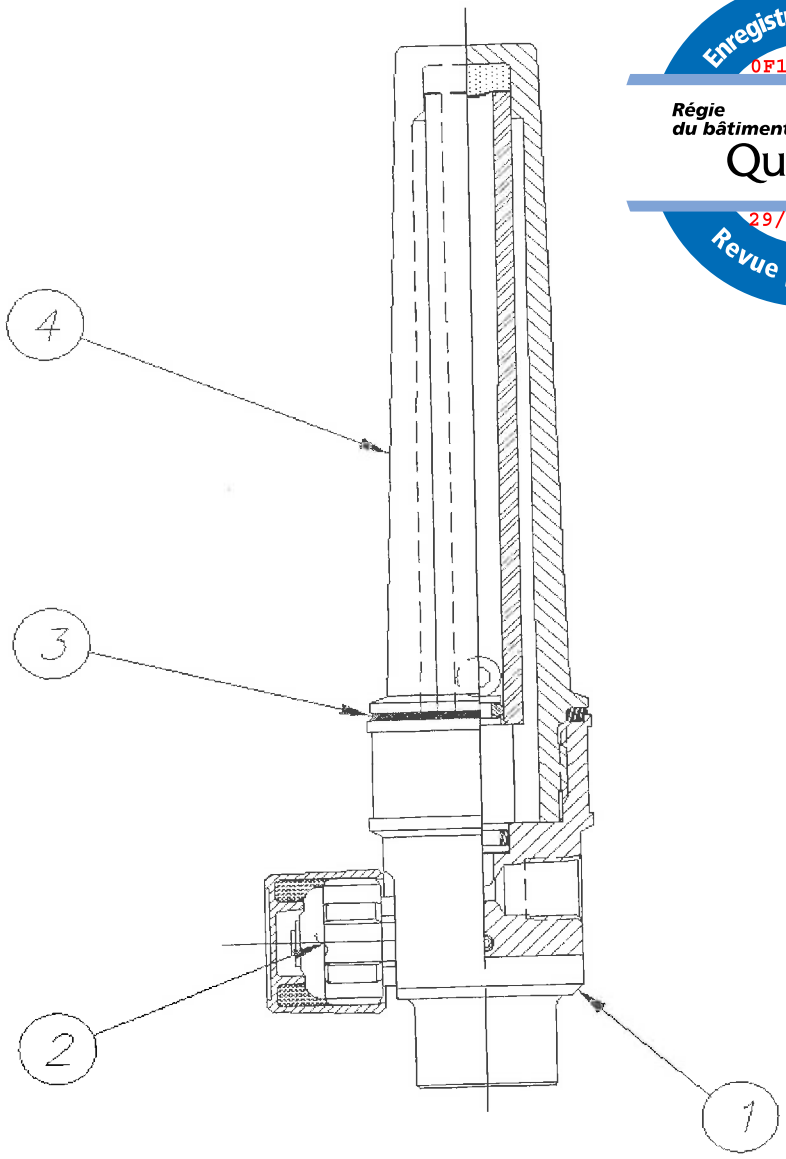
CONCOA CRN Testing Summary Sheet

Package 10 - Type F
700 Flowmeters

Scope: CONCOA 700 Series Style Flowmeters - using 8014405 flowtube casing

Comments: CONCOA 700 series style flowmeters consist of a brass body (Item 1 below), Valve or plug (Item 2 below), a blowout safety sealing ring (item 3 below), internal flowtube components, and an outer flowtube casing (Item 4 below). CONCOA uses 5 different bodies (Item 1), each having a different outlet connection (bottom of view); therefore, each of the bodies was burst tested to show compliance with CRN requirements (fully assembled into complete flowmeters using items shown below).

Sketch:



Note: Test results reflect testing of the highest rated inlet and outet pressures of the entire series - testing the components with the thinnest wall thickness and weakest materials (worst case items in the design). All models in scope have same geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested items.

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Controls Corporation of America

Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.

Plant Locations: See above

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 ☐ Class 2 ☐ Class 3 ☐, (Meeting CNSC r[illegible]ments)

Title of the Standard of Construction

4x burst pressure

Show Manufacturers Name, Trademark, or Logo as it will appear

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:

See attached

List of supporting documentation and identification of the actual items to be registered:

Catalog Pages, Design Drawings, and Test Reports

Declaration:

I John Friedrichs (see note 3) employed by Controls Corporation of Al 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 Perry Johnson Registrars 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 CONCOA – VA BEACH, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal
Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg.# 8026938
My Commission Expires 2/28/2026

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F15806.5 Rev1

FID#: 614

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.

11/2016

ACCEPTED
PROVINCE OF PRINCE EDWARD ISLAND
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. 0F15806.5REV1

DATE: MAY 3/24

INSPECTION SERVICES SECTION
BOILER/PRESSURE VESSEL BRANCH

Sept 1.0 - Fittings Rev.2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Controls Corporation of America

Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.

Plant Locations: See above

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 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC r[illegible]ments)

Title of the Standard of Construction

4x burst pressure

Show Manufacturers Name, Trademark, or Logo as it will appear

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:

See attached

List of supporting documentation and identification of the actual items to be registered:

Catalog Pages, Design Drawings, and Test Reports

Declaration:

I John Friedrichs (see note 3) employed by Controls Corporation of Ai 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 Perry Johnson Registrars 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 CONCOA – VA BEACH, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal
Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F15806.5 Rev1

FID#: 614

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.

11/2016

BOILER & PRESSURE VESSEL ACT & REGULATIONS
NOVA SCOTIA
Date May 3/24
C.R.N. 0F15806.58Rev.1
Dwg. as described
Signed [signature]
1 of 1 Part

Sect 1.0 - Fittings Rev.2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Controls Corporation of America

Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.

Plant Locations: See above

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 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC c… …ments)

Title of the Standard of Construction

4x burst pressure

Show Manufacturers Name, Trademark, or Logo as it will appea…

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:

See attached

List of supporting documentation and identification of the actual items to be registered:

Catalog Pages, Design Drawings, and Test Reports

Declaration:

I John Friedrichs (see note 3) employed by Controls Corporation of A… 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 Perry Johnson Registrars 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: JFR

Declared before me at CONCOA – VA BEACH, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

New Brunswick / Nouveau-Brunswick
DEPT OF JUSTICE PUBLIC SAFETY
BOILER & PRESSURE VESSEL ACT

This space for Regulatory Authority use:

This registration must be revalidated after ten (10) years from the date of acceptance.

REGISTRATION ONLY

CRN: 0F15806.5 Rev1

FID#: 614

CRN 0F15806.57 Rev1

CHIEF BOILER INSPECTOR

DATE 5/3/24

☐ BLRs ☐ PVs ☑ FITTINGS ☐ NUCLEAR COMPONENTS

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.

11/2016

Sect 1.0 - Fittings Rev.2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Controls Corporation of America	
Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.	
Plant Locations: See above	
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 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC [illegible] ments)	**Title of the Standard of Construction** 4x burst pressure
Show Manufacturers Name, Trademark, or Logo as it will appear	**Type of Construction** Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other: See attached
List of supporting documentation and identification of the actual items to be registered: Catalog Pages, Design Drawings, and Test Reports	

Declaration:

I John Friedrichs (see note 3) employed by Controls Corporation of A 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 Perry Johnson Registrars 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 CONCOA – VA BEACH, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal
Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F15806.5 Rev1

FID#: 614

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.

11/2016

Newfoundland
Labrador

Registered OF15806.5D
Date May 6, 2024
Engineering and Inspection Services
Registered by [signature]

UNDER THE AUTHORITY OF THE
PUBLIC SAFETY ACT AND
THE BOILER, PRESSURE VESSEL AND
COMPRESSED GAS REGULATIONS

Sect 1.0 - Fittings Rev.2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Controls Corporation of America

Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.

Plant Locations: See above

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 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC r[illegible]ments)

Title of the Standard of Construction

4x burst pressure

Show Manufacturers Name, Trademark, or Logo as it will appear

INCREASE CONCOA PRECISION GAS CONTROLS WWW.CONCOA.COM DECREASE

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:

See attached

List of supporting documentation and identification of the actual items to be registered:

Catalog Pages, Design Drawings, and Test Reports

Declaration:

I John Friedrichs (see note 3) employed by Controls Corporation of Al 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 Perry Johnson Registrars 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 CONCOA – VA BEACH, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F15806.5 Rev1

FID#: 614

GOVERNMENT OF YUKON
BY [signature]
CRN 0F15806.5Y REV1
DATE 05/03/2024
BOILER BRANCH

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.

11/2016

Seal 1.0 Fittings Rev.2

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: Controls Corporation of America

Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.

Plant Locations: See above

Category of Fittings to be registered. Circle one Category only

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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 ☐ Class 2 ☐ Class 3 ☐, (Meeting CNSC r... ...ments)

Title of the Standard of Construction

4x burst pressure

Show Manufacturers Name, Trademark, or Logo as it will appea...

CONCOA PRECISION GAS CONTROLS

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:

See attached

List of supporting documentation and identification of the actual items to be registered:

Catalog Pages, Design Drawings, and Test Reports

Declaration:

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Signature of Declarer: [signature]

Declared before me at CONCOA – VA Beach, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 2/28/2026

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

65.00

CRN: 0F15806.5 Rev1

FID#: 614

Northwest Territories
REGISTERED
UNDER THE AUTHORITY OF
THE BOILER AND PRESSURE
VESSEL ACT.
C.R.N. 0F15806.5 R1
SIGNED [signature]
DATE May 6 2024

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.

11/2016

Sect 1.0 – Fittings Rev.2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Controls Corporation of America

Manufacturers Address: 1501 Harpers Road, Virginia Beach, VA 23454 U.S.A.

Plant Locations: See above

Category of Fittings to be registered. Circle one Category only

A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
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H Pressure retaining components that do not fall into one of the above categories

N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC r ments)

Title of the Standard of Construction

4x burst pressure

Show Manufacturers Name, Trademark, or Logo as it will appear

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:

See attached

List of supporting documentation and identification of the actual items to be registered:

Catalog Pages, Design Drawings, and Test Reports

Declaration:

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Signature of Declarer: _____

Declared before me at CONCOA – VA Beach, VA

This 8th day of January AD 2024

Commissioner of Oaths
Or Notary Public: (sign) Miriam Duran

(Affix Official seal to the right)

Use this space for the Official Seal

Miriam Duran
NOTARY PUBLIC
Commonwealth of Virginia
Reg. # 8026938
My Commission Expires 1/31/2026

This space for Registrary Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F15806.5 Rev1

FID#: 614

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.

11/2016

NUNAVUT
Boilers and Pressure Vessels Act
Nunavut

REGISTERED
CRN 0F15806.5N Rev1
Date 2024-05-03
Signed _____
Chief Inspector

Sect 1.0 - Fittings Rev.2

Territorial Registration Fee

Manitoba
Inspection and Technical Services

May 27, 2024

TSSA
345 Carlingview Drive
Toronto, ON M9W 6N9

Dear Cecylia Garbacz,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number:	74-R4083
CRN:	0F15806.54
Scope:	CONCOA 700 Series Style Flowmeters using 8014405 flow-tube casing
Manufacturer:	CONTROLS CORPORATION OF AMERICA
Expiry Date:	18 March 2034

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to gasupport@gov.mb.ca. In your subject line, indicate "*Manufacturer's Data Report-CRN No.*" A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact gasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services
Labour and Immigration
508 – 401 York Avenue, Winnipeg, MB R3C 0P8
T (204) 945-3373 | **F** (204) 948-2089

Suite 600 - 2889 East 12th Avenue
Vancouver, BC V5M 4T5
Toll Free: 1-866-566-7233
www.technicalsafetybc.ca

ATTN: TSSA BPV NATIONAL REGISTRATION
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: 06-Jun-2024

TSBC Account #: 061440
TSBC Admin Number: 107193

Canadian Registration Number: 0F15806.51

Re: Application for Design Registration

The design, as detailed in your Design Portal application 0F15806.5R1 - Controls Corporation of America for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Controls Corporation of America
Project Name:	0F15806.5R1 - Controls Corporation of America
Drawing #:	CONCOA 700 Series Style Flowmeters using 8014405 flow-tube casing
Drawing Revision:	N/A

Conditions of Registration:

(1)Fitting Registration Expiry Date: 18-Mar-2034 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsafetybc.ca.

The Engineering Information Management Team