

May 17, 2024

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

The design submission, Tracking Number 2024-02346, Web Portal Number 2024-S1617, originally received on April 18, 2024 was surveyed and accepted for registration as follows:

**CRN :** 0C15806.52

Reg Type: RENEWAL

Accepted on: May 17, 2024 Expiry Date: March 15, 2034

Drawing No. : ECN 97-0526 Rev 23 As Noted

Fitting type: CONCOA 80X659X SERIES - GAS REGULATORS

Design registered in the name of : CONTROLS CORPORATION OF AMERICA

Description	MAWP	Design Temperature
See Notes		

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

- Please note that this registration is renewal of CRN only. Registration does not cover product additions, material or design changes.

- Please note that item 15 gauge will be excluded from this registration. It shall be registered with separate CRNs

- This registration has been issued based on the understanding that:

- Code of Construction is ASME B31.3 and proof testing is per ASME B31.3;

- the pressure rating for the gas regulators are:(1)Inlet pressure for all regulators on this drawing is 200 psig max; (2)Outlet pressures are listed in the table on this drawing; (3)Temperature rating is -40°C to 60°C;

- the inlet burst pressure is 22000 psi and the outlet burst pressure is 3400 psi , which meets the requirement of UG-101(m),UG-101(k)and UG-101(i) for MAWP of inlet and outlet;

- corrosion allowance is 0.

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- 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.



## May 17, 2024

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 (403) 291-7070 ext 2201 or fax (403) 291-4545 or e-mail Zhangl@absa.ca.

Sincerely,

Lit Zlong

ZHANG, LILI, P. Eng. DOP Cert. No. D00010626

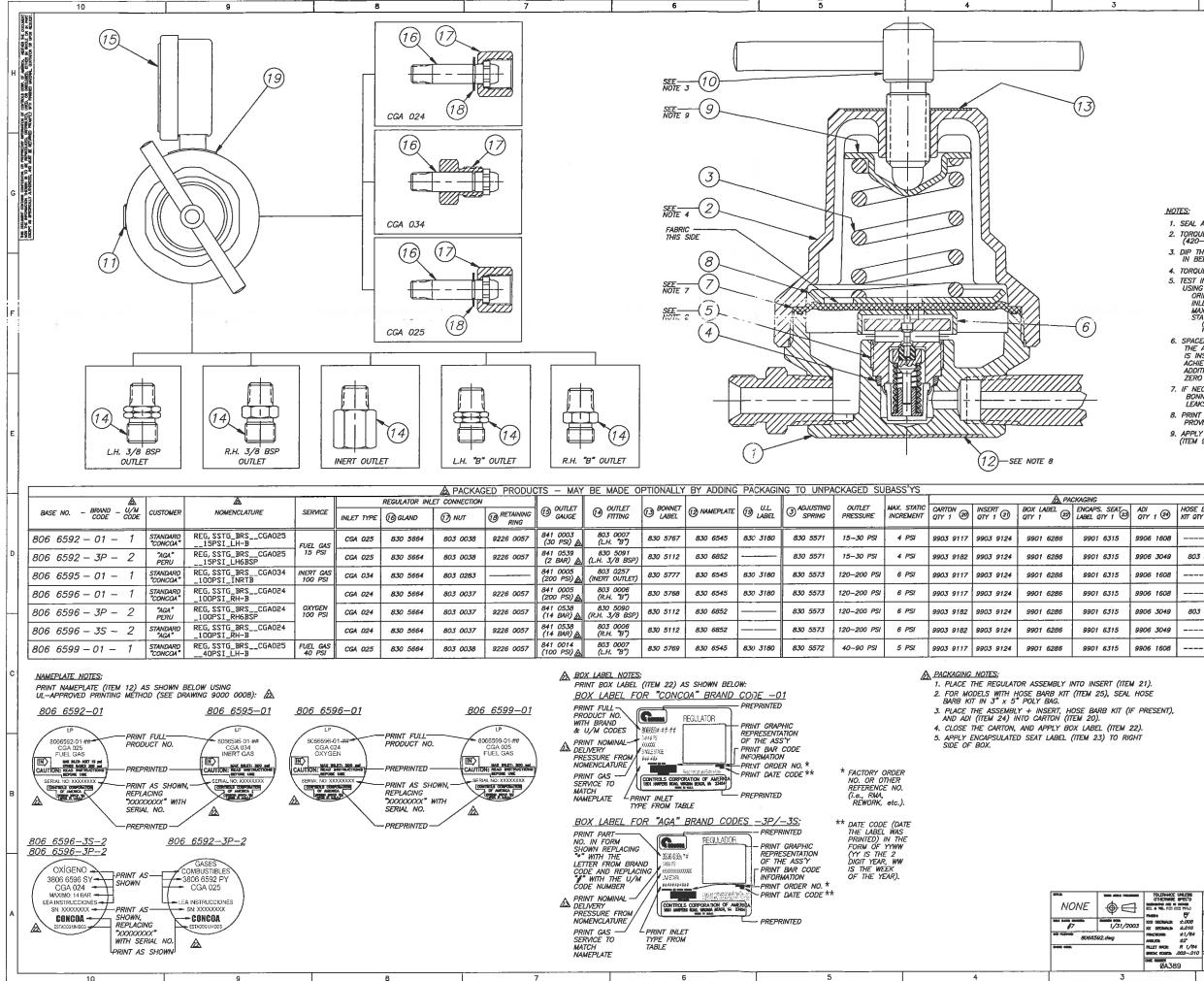


Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org



STATUTORY DECLAR Registration of Fitting		
John Friedrichs		
(Name and Position, e.g. President, Plant Manager, Chief	Engineer)	
of Controls Corporation of America		
(Name of Manufacturer)		
Located at1501 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 and Pressure Vessels Regulation, comply with all of the requirements of	Technical Standards a	and Safety Act, Boilers
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratin	gs, identification marking t	he fittings and service:
or are not covered by the provisions of a recognized North American standard 4x burst pressureas supported by the attached data which pressure/temperature ratings and the basis for such ratings, the marking of the t I further declare that the manufacture of these fittings is controlled by a quality system	identifies the dimensions, fitting for identification an meeting the requirement	, material of construction, d service.
which has been verified by the following authority, <u>Perry</u> Johnson Re The items covered by this declaration, for which I seek registration, are category <u>Category</u>		no fittings In support of
this application, the following information and/or test data are attached as follows:		type fittings. In support of
Catalog Pages, Design Drawings and Test Reports		
(drawings, calculations, test reports, etc.)		
Declared before me at <u>CONCOA</u> in the <u>CITY</u>	_	VA BEACH
the day of <u>Vanuary</u> AD 2027. NOTAL	am Duran RY PUBLIC	
Commissioner for Oaths: Reg. 3	ealth of Virginia # 8026938	
MIRIAM JURAN	Expires 2/28/2028	. 아님과 집 것
(Printed name)	$\neg \rho \rho \rho$	
Thiriam Duran	JALL	
(Signature)	V (Signature of Dec	larer)
FOR OFFICE USE ONLY		
To the best of my knowledge and belief, the application meets the requirements of the	2024-02346 ABSA	4
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and	SAFETY CODES ACT - PROV	
CSA Standard B51 and is accepted for registration in CategoryC	ACCEPTED: 0C158	
CRN:	See acceptance conditions of re	gistration.
	Date: 2024-05-17 By:	Litzlang
Registered by:		LILI ZHANG, P. Eng. DOP: D00010626
Dated:	This stamp and signature have be to this registered design as requir the Pressure Equipment Safety Re with the Electronic Transactions A	red by Section 20(1) of egulation, in accordance
NOTE: This registration expires on: 2034-03-15		

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. 2024-02346



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		ŀ	NO	ECN NUMBER	DESCRIPTION	TT MIT A	NITIALS	DATE	APPI	10VED	1
			21	020217	Nomed From Rev. 4 D-Size - Added ' To Bubble 9	SEE NUIE &	AEW	4/19/2002			18
		[	22	09-609	GNUGES WERE 2" 8410221, 00500, 0219, U ADD PRG & LAL INFORMATION	534, <i>i</i> e 0210,	AEW	1/7/2010	A Holder	12/16/2008	65
			23	11-013	BCX LABELS WERE PRINTED WITH MIN DELM Setting instead of hominal pressure	ort Press	AEW	1/26/2011	A ithiater	1/25/2011	806
											8
NO	IES:										
1.	SEAL	ALL P	PIP	E FITTINGS	S WITH TEFLON TAPE.						
2.	TORQI (420	UE CA -500	NPS IN	ULE (ITEN −LBS).	1 5) TO 35-42 FT-LBS	5					
3.					STING SCREW (ITEM 10) PRIOR TO ASS'Y.	l					
4					2) TO 50 FT-LBS MIN	MUM.					
					MTH TEST PROCEDURE						
0.					PARAMETERS:	12000					
					#72(Ø.025)						
					260-280 F RESSURE - SEE TABLE	57					
	ST	ATIC	INC	REMENT -	SEE TABLE						
					MITION = MAX DELIVERY PRES	SURE					1
_					(#72) ORIFICE)						
6.					AY BE USED BETWEEN IG AND PIVOT IF THERE						
					STING SCREW LENGTH 1	0					
					SSURE SETTING, PROVIL						- 1
					DOES NOT RESULT IN I	4					
_				CONDITION							
7.					0 4859 SHIM BETWEEN						

IF NEGESSART, ADD 830 4859 SHIM BETWEEN BONNET AND DIAPHRAGM TO PREVENT DIAPHRAGM LEAKS.

8. PRINT NAMEPLATE (ITEM 12) WITH INFORMATION PROVIDED IN NAMEPLATE NOTES. APPLY LITHIUM GREASE TO RECESS OF PIVOT (ITEM 9).

ADI QTY 1 3	HOSE BARB KTT QTY 1 😕
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9906 1608	
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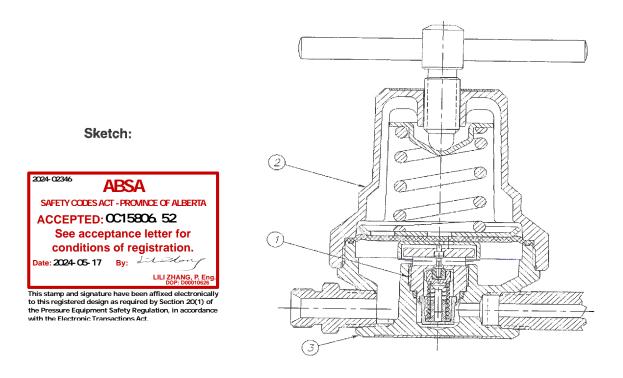
2024-02346	ABS	A				
SAFETY CODES AC	CT - PR	omnce of Alberta				
ACCEPTED:	ACCEPTED: 0C15806 52					
See acce	otand	e letter for				
conditions		egistration.				
Date: 2024-05-17	By:	Litzdang				
		LILI ZHANG, P. Eng.				

This stamp and signature have been affixed electronical to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance

nz	5161									
	5/6/	A	25	SEE	TABLE		HOSE BARB KIT		1	
		Ā	24	SEE	TABLE	1	ADI		1	
_		A	23	SEE	TABLE	1	ENCAPSULATED S	EAT LABEL	1	
		A	22	SEE	TABLE	1	BOX LABEL		1	
		A	21	SEE	TABLE	1	INSERT		1	
		A	20	SEE	TABLE	1	CARTON		C	
			19	SEE	TABLE	1	U.L. LABEL		1	
			18	SEE	TABLE	1	RING, RETAINING			
			17	SEE	TABLE	1	NUT, INLET		]	
			16	SEE	TABLE	1	GLAND, INLET		]	
			15	SEE	TABLE	1	GAUGE, OUTLET		$\vdash$	
			14	SEE	TABLE	1	OUTLET FITTING			
			13	SEE	TABLE	1	LABEL, BONNET			
			12	SEE	TABLE	1	NAMEPLATE			
			11	9225	0008	1	PIPE PLUG, 1/4	NPT BRASS		
			10	830	5629	1	SCREW, TEE		] в	
			9	830	5575	1	PIVOT			
			8	830	5570	1	PLATE, DIAPHRAG	M	]	
			7	830	5569	1	DIAPHRAGM (C-S	IZE)		
			6	830	551 <b>3</b>	1	CAP			
			5	830	558 <b>4</b>	1	CAPSULE, \$4.8 (	TEFLON SEAT)		
			4	830	5830	1	O-RING, TEFLON	CAPSULE SEAL		
			3	SEE	TABLE	1	SPRING, ADJUSTIN	IG		
			2	830	5568	1	BONNET, CHROME	PLATED		
	A. W	iitaker	1	830	5688	1	BODY, 4 PORT			
	- 4/	9/2002	ITEM	PAR	TNO	QTY	M	TERIAL / DESCRIPTION		
	4/	msted 3/2002	6	IICOA			ORATION OF AMERICA	<sup>RMET</sup> N∆ 806 6592,		
4	4/	ilson \$/2002	REG, SSTG_BRSXXXXXX 806 6595, 806 6596, XXXXPSI XXXXXX							
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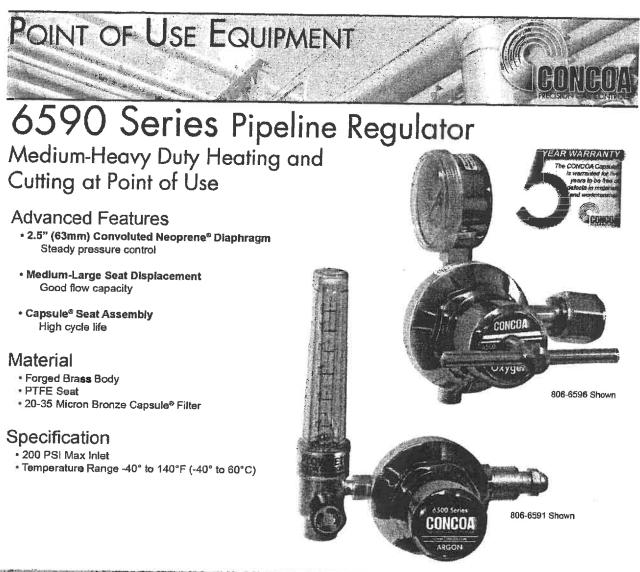
80X659X Series Compressed Gas Regulators (flowmeters on some models shall require a separate valid CRN) Note: Total internal volume is well under 1.5 cu. ft.

Item	CRN / Test Data / Exclusions
1	Capsule
2	Bonnet
3	Body
	Tested as assembly - see attached burst test data



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 body and bonnet geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested item.



Gas Service	Stock Number	Inlet CGA	Delivery PSIG	Quillet Fittings	Fits Station Valve*
Oxygen	806-6596	024	0-120 PSIG	9/16"-18 "B" RH Int.	801-0233
Acetylene, Propylene, Propane, Natural Gas	806-6592	025	0-15 PSIG	9/16"-18 "B" LH Int.	801-0601
Propylene, Propane, Natural Gas	806-6599	025	0-40 PSIG	9/16"-18 "B" LH Int.	801-0601
Oil Free Inert, Argon-Nitrogen, Helium-CO <sub>2</sub>	806-6595	034	0-120 PSIG	%"-18"B" RH Int.	801-0034

	Stock Number	A HILL COURT	FlowenceFl	Outlet Fittings	Fits Station Valve**
Argon, CO <sub>2</sub>	806-6591	034	Argon: 10-60/CO <sub>2</sub> : 10-55	5/8-18"B" RH Int.	801-0034
Argon, Helium	806-6597	034	Argon: 10-60/Helium 30-200	<sup>1</sup> 5/8-18"B" RH Int.	801-0034
	806-6590 (Gas Saver)	034	Argon: 10-60/Helium 30-200	5/8-18"B" RH Int.	801-0034
Argon, CO <sub>2</sub>	806-6594 (Dual Flowmenter)	034	Argon: 10-60/CO <sub>2</sub> : 10-55	5/8-18"B" RH Int.	801-0034

Note: Acetylene should not be used over 15 PSIG

a 5

\* Not included. See page 45.

CONCOA • 1501 Harpers Road, Virginia Beach, Virginia 23454 USA 800.225.0473 • www.CONCOA.com

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 Brass, UNS C36000 per ASTM B-16
8066590	Regulator	8305504	Capsule	200 psig	200 psig					Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066590	Regulator	8305568		30 psig	30 psig				M65 Bonnet to body thread	Brass, UNS C37700
8066590	Regulator		Body	200 psig					M65 Bonnet x M20 capsule	Brass, UNS C36000 per ASTM B-16
8066591	Regulator		Capsule	200 psig	200 psig				M20 Capsule to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066591	Regulator		Bonnet	30 psig	30 psig				M65 Bonnet to body thread	Brass, UNS C37700
8066591	Regulator		Body	200 psig	30 psig				M65 Bonnet x M20 capsule	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066592	Regulator	8305568		15 psig	15 psig				M65 Bonnet to body thread	Brass, UNS C36000 per ASTM B-16
8066592	Regulator	8305584		200 psig	200 psig				M20 Capsule to body thread	Brass, UNS C37700
8066592	Regulator	8305688		200 psig					M65 Bonnet x M20 capsule	Brass, UNS C36000 per ASTM B-16
8066594	Regulator	8305504		200 psig	200 psig				M20 Capsule to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066594	Regulator	8305568		30 psig	30 psig				M65 Bonnet to body thread	Brass, UNS C37700
8066594	Regulator	8305624		200 psig	30 psig				M65 Bonnet x M20 capsule	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066595	Regulator	8305568		100 psig	100 psig				M65 Bonnet to body thread	Brass, UNS C36000 per ASTM B-16
8066595	Regulator	8305584		200 psig	200 psig				M20 Capsule to body thread M65 Bonnet x M20 capsule	Brass, UNS C37700
8066595	Regulator	8305688	Body	200 psig	100 psig				M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066596	Regulator	8305568		100 psig	100 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8066596	Regulator	8305584	Capsule		200 psig				M65 Bonnet x M20 capsule	Brass, UNS C37700
8066596	Regulator	8305688	Body		100 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8066597	Regulator	8305504		200 psig	200 psig				M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066597	Regulator	8305568	Bonnet	30 psig					M65 Bonnet x M20 capsule	Brass, UNS C37700
8066597	Regulator	8305624	Body	200 psig					M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066599	Regulator	8305568		40 psig	40 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8066599	Regulator	8305584			200 psig				M65 Bonnet x M20 capsule	Brass, UNS C37700
8066599	Regulator	8305688	Body	200 psig	40 psig				M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-024B	Regulator	8305568		135 psig	135 psig			<u> </u>	M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-024B	Regulator		Capsule		200 psig				M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-024B	Regulator	8305688		200 psig					M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-024C	Regulator	8305568		135 psig	135 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-024C	Regulator		Capsule	200 psig					M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-024C	Regulator	8305688		200 psig				<u> </u>	M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-025	Regulator	8305568		70 psig	70 psig			1	M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-025	Regulator		Capsule	200 psig	200 psig		t		M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-025	Regulator	8305688			70 psig		<u>+</u> ────		M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-025B	Regulator	8305568		15 psig	15 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-025B			Capsule	15 psig	15 psig			<u> </u>	M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-025B	Regulator	8305688		15 psig	15 psig		<u>+</u>		M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-025C		8305568		15 psig	15 psig		t		M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-025C			Capsule	15 psig	15 psig 15 psig		t	1	M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-025C		8305688		15 psig					M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-034	Regulator		Bonnet	135 psig			1	1	M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-034	Regulator		Capsule	200 psig 200 psig			1		M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-034	Regulator	8305688			60 psig		1		M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-510	Regulator		Bonnet	60 psig 400 psig			1		M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-510			Capsule	400 psig					M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-510	Regulator	8305688	Body							



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 15, 2024

CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454

Workorder Type: Registration - Fitting(Conventional) Workorder No: 14231938 Your Reference No.: FITTING RENEWAL 0C15806.5 - 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 : 0C15806.5R1 Main Design No.: CONCOA 80X659X Series Compressed Gas Regulators Expiry Date: Mar 15, 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 3. Flowmeters and pressure gauges are excluded from the scope of this registration

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



### **REGISTRATION OF A PRESSURE FITTING DESIGN**

May 9, 2024 TSSA 345 Carlingview Dr. Toronto, ON Canada M9W 6N9

**Attention: Cecylia Garbacz** 

File Number: 100785

Re:	Manufacturer:	Controls Corporation of America
	Item:	Regulators
	Catalog or Drawing:	Per CONCOA Summary Sheet 80X659X & Product Drawing 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:

### 0C15806.53

### Expiry Date: 2034-03-15

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.



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

ATTN: TSSA BPV NATIONAL REGISTRATION	Date:	23-May-2024
TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO ON M9W 6N9	TSBC Account #: TSBC Admin Number:	061440 107039
	Canadian Registration Number:	0C15806.51

### **Re: Application for Design Registration**

The design, as detailed in your Design Portal application 0C15806.5R1 - Controls Corporation of America for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Controls Corporation of America
Project Name:	0C15806.5R1 - Controls Corporation of America
Drawing #:	CONCOA 80X659X Series Compressed Gas Regulators
Drawing Revision:	N/A

### Conditions of Registration:

(1) Fitting Registration Expiry Date: 15-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





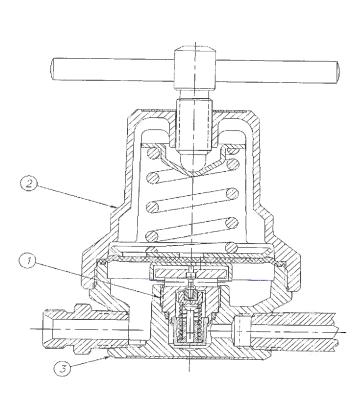
STATUTORY DECLAR Registration of Fitting								
Registration of Fitting	5							
I, John Friedrichs (Name and Position, e.g. President, Plant Manager, Chief Engineer)								
	Engineer)							
of Controls Corporation of America (Name of Manufacturer)								
Located at	757-422-8330	757-422-3125						
(Plant Address)	(Telephone No.)	(Fax No.)						
do solemnly declare that the fittings listed hereunder, which are subject to the and Pressure Vessels Regulation, comply with all of the requirements of	Technical Standard	<b>Is and Safety Act</b> , Boilers						
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratin	gs, identification markin	g the fittings and service;						
or are not covered by the provisions of a recognized North American standard 4x burst pressureas supported by the attached data which pressure/temperature ratings and the basis for such ratings, the marking of the	identifies the dimensio	ns, material of construction,						
which has been verified by the following authority, <u>Perry Johnson Re</u> The items covered by this declaration, for which I seek registration, are category <u>Category C</u> 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 in the	B	of VA BEACH						
the day of <u>Nanuary</u> AD 2027. NOTAI Commonw	am Duran RY PUBLIC ealth of Virginia							
My Commission	# 8026938 h Expires 2/28/2026							
MIRIAM DUPAN (Printed name) (Niniam Duran (Signature)	V (Signature of D	) Declarer)						
FOR OFFICE USE ONLY								
To the best of my knowledge and belief, the application meets the requirements of the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	Registration No0C	chnical fety Authority Saskatchewan 15806.53						
CRN:		100785						
Registered by:	Date: Ma Expiry Date: Marc	ay 9, 2024 ch 15, 2034						
Dated:	Codes & Standar	rds 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. 80X659X Series Compressed Gas Regulators (flowmeters on some models shall require a separate valid CRN) Note: Total internal volume is well under 1.5 cu. ft.

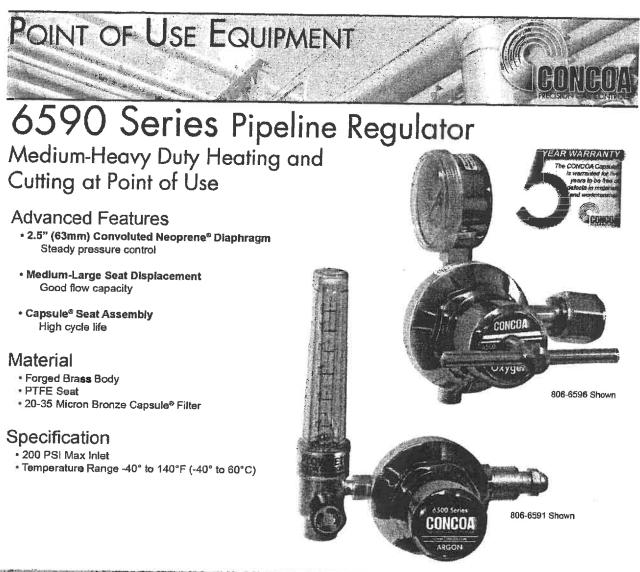
ltem	CRN / Test Data / Exclusions
1	Capsule
2	Bonnet
3	Body
	Tested as assembly - see attached burst test data



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 body and bonnet geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested item.



Gas Service	Stock Number	Inlet CGA	Delivery PSIG	Quillet Fittings	Fits Station Valve*
Oxygen	806-6596	024	0-120 PSIG	9/16"-18 "B" RH Int.	801-0233
Acetylene, Propylene, Propane, Natural Gas	806-6592	025	0-15 PSIG	9/16"-18 "B" LH Int.	801-0601
Propylene, Propane, Natural Gas	806-6599	025	0-40 PSIG	9/16"-18 "B" LH Int.	801-0601
Oil Free Inert, Argon-Nitrogen, Helium-CO <sub>2</sub>	806-6595	034	0-120 PSIG	%"-18"B" RH Int.	801-0034

	Stock Number	A HILL COURT	FlowenceFl	Outlet Fittings	Fits Station Valve**
Argon, CO <sub>2</sub>	806-6591	034	Argon: 10-60/CO <sub>2</sub> : 10-55	5/8-18"B" RH Int.	801-0034
Argon, Helium	806-6597	034	Argon: 10-60/Helium 30-200	<sup>1</sup> 5/8-18"B" RH Int.	801-0034
	806-6590 (Gas Saver)	034	Argon: 10-60/Helium 30-200	5/8-18"B" RH Int.	801-0034
Argon, CO <sub>2</sub>	806-6594 (Dual Flowmenter)	034	Argon: 10-60/CO <sub>2</sub> : 10-55	5/8-18"B" RH Int.	801-0034

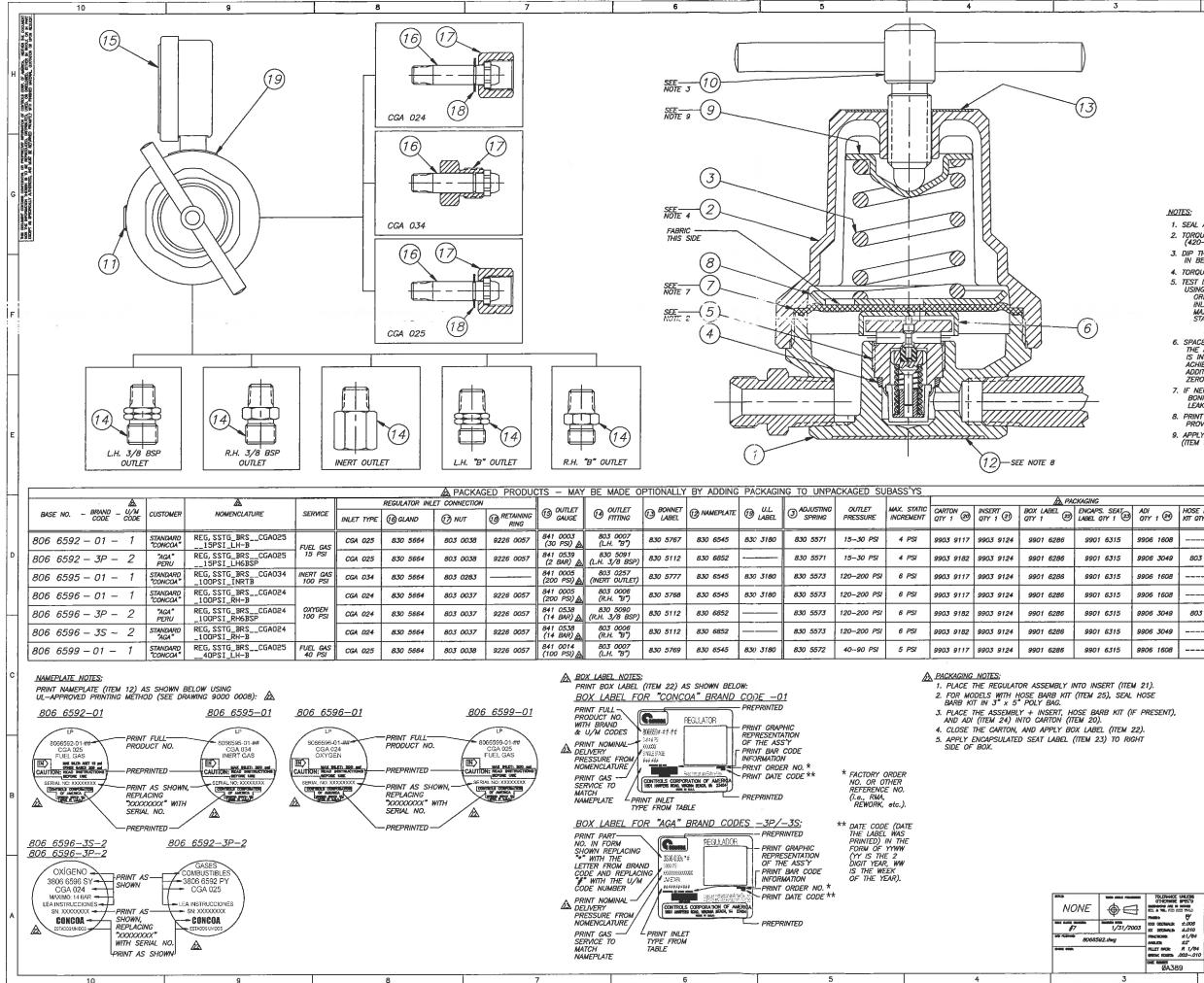
Note: Acetylene should not be used over 15 PSIG

a 5

\* Not included. See page 45.

CONCOA • 1501 Harpers Road, Virginia Beach, Virginia 23454 USA 800.225.0473 • www.CONCOA.com

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 Brass, UNS C36000 per ASTM B-16
8066590	Regulator	8305504	Capsule	200 psig	200 psig					Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066590	Regulator	8305568		30 psig	30 psig				M65 Bonnet to body thread	Brass, UNS C37700
8066590	Regulator		Body	200 psig					M65 Bonnet x M20 capsule	Brass, UNS C36000 per ASTM B-16
8066591	Regulator		Capsule	200 psig	200 psig				M20 Capsule to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066591	Regulator		Bonnet	30 psig	30 psig				M65 Bonnet to body thread	Brass, UNS C37700
8066591	Regulator		Body	200 psig	30 psig				M65 Bonnet x M20 capsule	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066592	Regulator	8305568		15 psig	15 psig				M65 Bonnet to body thread	Brass, UNS C36000 per ASTM B-16
8066592	Regulator	8305584		200 psig	200 psig				M20 Capsule to body thread	Brass, UNS C37700
8066592	Regulator	8305688		200 psig					M65 Bonnet x M20 capsule	Brass, UNS C36000 per ASTM B-16
8066594	Regulator	8305504		200 psig	200 psig				M20 Capsule to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066594	Regulator	8305568		30 psig	30 psig				M65 Bonnet to body thread	Brass, UNS C37700
8066594	Regulator	8305624		200 psig	30 psig				M65 Bonnet x M20 capsule	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066595	Regulator	8305568		100 psig	100 psig				M65 Bonnet to body thread	Brass, UNS C36000 per ASTM B-16
8066595	Regulator	8305584		200 psig	200 psig				M20 Capsule to body thread M65 Bonnet x M20 capsule	Brass, UNS C37700
8066595	Regulator	8305688	Body	200 psig	100 psig				M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066596	Regulator	8305568		100 psig	100 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8066596	Regulator	8305584	Capsule		200 psig				M65 Bonnet x M20 capsule	Brass, UNS C37700
8066596	Regulator	8305688	Body		100 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8066597	Regulator	8305504		200 psig	200 psig				M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066597	Regulator	8305568	Bonnet	30 psig					M65 Bonnet x M20 capsule	Brass, UNS C37700
8066597	Regulator	8305624	Body	200 psig					M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8066599	Regulator	8305568		40 psig	40 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8066599	Regulator	8305584			200 psig				M65 Bonnet x M20 capsule	Brass, UNS C37700
8066599	Regulator	8305688	Body	200 psig	40 psig				M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-024B	Regulator	8305568		135 psig	135 psig			<u> </u>	M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-024B	Regulator		Capsule		200 psig				M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-024B	Regulator	8305688		200 psig					M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-024C	Regulator	8305568		135 psig	135 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-024C	Regulator		Capsule	200 psig					M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-024C	Regulator	8305688		200 psig				<u> </u>	M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-025	Regulator	8305568		70 psig	70 psig			1	M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-025	Regulator		Capsule	200 psig	200 psig		t		M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-025	Regulator	8305688			70 psig		<u>+</u> ────		M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-025B	Regulator	8305568		15 psig	15 psig				M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-025B			Capsule	15 psig	15 psig			<u> </u>	M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-025B	Regulator	8305688		15 psig	15 psig		<u>+</u>		M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-025C		8305568		15 psig	15 psig		t		M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-025C			Capsule	15 psig	15 psig 15 psig		t	1	M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-025C		8305688		15 psig					M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-034	Regulator		Bonnet	135 psig			1	1	M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-034	Regulator		Capsule	200 psig 200 psig			1		M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-034	Regulator	8305688			60 psig		1		M65 Bonnet to body thread	Zinc, UNS Z33520 per ASTM B-86-AG 40A
8056590-AL-510	Regulator		Bonnet	60 psig 400 psig			1		M20 Capsule to body thread	Brass, UNS C36000 per ASTM B-16
8056590-AL-510			Capsule	400 psig					M65 Bonnet x M20 capsule	Brass, UNS C37700
8056590-AL-510	Regulator	8305688	Body							



		1			2	
PT ND				REVISIONS		
	APPROVED	DATE	NITALS	DESCRIPTION	ECN NUMBER	NO
92		4/19/2002	AEW	Womed From Rev. 4 D-Size - Added "See Note 9" To Bubble 9	020217	21
65	A. Websier 12/16/2008	1/7/2010	AEW	GNARES MERE 2" 8410221, 00550, 0218, 0534, & 0210, ADD PRE & LAL INFORMATION	09-609	22
806	A. White 1/25/2011	1/26/2011	AEW	BOX LABELS NERE PRINTED WITH WIN DELIVERY PRESS Setting instand of however pressure	11-013	23
2014						

#### NOTES:

- 1. SEAL ALL PIPE FITTINGS WITH TEFLON TAPE.
- 2. TORQUE CAPSULE (ITEM 5) TO 35-42 FT-LBS (420-500 IN-LBS).
- 3. DIP THREADS OF ADJUSTING SCREW (ITEM 10) IN BEESWAX SOLUTION PRIOR TO ASS'Y.
- 4. TORQUE BONNET (ITEM 2) TO 50 FT-LBS MINIMUM.
- 4. TORQUE BONNET (TEM 2) TO 50 FT-LBS MINIMUM. 5. TEST IN ACCORDANCE WITH TEST PROCEDURE #2000 USING THE FOLLOWING PARAMETERS: ORIFICE SIZE \_\_\_\_\_\_\_ 72(4.025) INLET PRESSURE \_\_\_\_\_\_\_ 72(4.025) MAXIMUM OUTLET PRESSURE \_ SEE TABLE STATIC INCREMENT \_\_\_\_\_\_ SEE TABLE STATIC INCREMENT \_\_\_\_\_\_ SEE TABLE (MITAL OUTLET CONDING = MAX DELIVERY PRESSURE FLOWING THROUGH A (#72) ORIFICE)
- 6. SPACER, 830 5980, MAY BU USED BETWEEN THE ADJUSTING SPRING AND PIVOT IF THERE IS INSUFFICIENT ADJUSTING SCREW LENGTH TO ACHIEVE DESIRED PRESSURE SETTING, PROVIDED ADDITION OF SPACER DOES NOT RESULT IN A ZERO LEAK CONDITION.
- IF NECESSARY, ADD 830 4859 SHIM BETWEEN BONNET AND DIAPHRAGM TO PREVENT DIAPHRAGM LEAKS.
- 8. PRINT NAMEPLATE (ITEM 12) WITH INFORMATION PROVIDED IN NAMEPLATE NOTES. APPLY LITHIUM GREASE TO RECESS OF PIVOT (ITEM 9).

ADI QTY 1 🕑	HOSE BARB KTT QTY 1 🞯
9906 1608	
9906 3049	803 5162
9906 1608	
9906 1608	
9906 3049	803 5161
9906 3049	
9906 1608	

×	5161						L	
_	5107		25	SEE TABLE		HOSE BARB KIT	l	
		A	24	SEE TABLE	1	ADI		
_			23	SEE TABLE	1	ENCAPSULATED SEAT LABEL		
			22	SEE TABLE	1	BOX LABEL		
		A	21	SEE TABLE	1	INSERT		
		A	20	SEE TABLE	1	CARTON	l	
			19	SEE TABLE	1	U.L. LABEL	ł	
			18	SEE TABLE	1	RING, RETAINING	l	
			17	SEE TABLE	1	NUT, INLET		
			16	SEE TABLE	1	GLAND, INLET		
			15	SEE TABLE	1	GAUGE, OUTLET	ŀ	
			14	SEE TABLE	1	OUTLET FITTING		
			13	SEE TABLE	1	LABEL, BONNET		
			12	SEE TABLE	1	NAMEPLATE		
			11	9225 0008	1	PIPE PLUG, 1/4 NPT BRASS		
			10	830 5629	1	SCREW, TEE		
			9	830 5575	1	PIVOT		
			8	830 5570	1	PLATE, DIAPHRAGM		
			7	830 5569	1	DIAPHRAGM (C-SIZE)		
			6	830 551 <b>3</b>	1	CAP		
			5	830 558 <b>4</b>	1	CAPSULE, #4.8 (TEFLON SEAT)	┝	
			4	830 5830	1	O-RING, TEFLON CAPSULE SEAL		
			3	SEE TABLE	1	SPRING, ADJUSTING		
			2	830 5568	1	BONNET, CHROME PLATED		
		hitaker	1	830 5688	1	BODY, 4 PORT		
		19/2002	ITEM	PART NO	QTY	MATERIAL / DESCRIPTION		
	4/1	imsted 8/2002	11	CONTROLS	CORF	ORATION OF AMERICA MEETING DEPARTMENT REACH, VA 23464 806 6592,		
	M.W	ilson	n REG, SSTG_BRSXXXXXX 806 6595, 80					
0	4/2	8/2002	XXXXPSI_XXXXXX # 806 6					
-	E.Filo	u marino 8/2002	(Fi The	OR "X"s IN TITLE, COLUMN (				
			2			1		

PREME ICOLORISALE 20 ICOLORISALE 20 ICOLORISE 20 ICOLO



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



	RY DECLARA' tration of Fittings	ΓΙΟΝ							
John Friedrichs									
(Name and Position, e.g. Pres	sident, Plant Manager, Chief Engin	eer)							
of Controls Corporation of America									
(Name of Manufacturer)									
Located at1501 Harpers Road, Virginia Beach, VA 23454	U.S.A. 757	-422-8330	757-422-3125						
(Plant Address)	(Tele	phone No.)	(Fax No.)						
do solemnly declare that the fittings listed hereunder, wi and Pressure Vessels Regulation, comply with all of th		nnical Standards	and Safety Act, Boilers						
( <i>Title of recognized I</i> which specifies the dimensions, materials of construction, pre	North American Standard) essure/temperature ratings, ide	entification marking	the fittings and service;						
or are not covered by the provisions of a recognized No 4x burst pressureas supported by the pressure/temperature ratings and the basis for such ratin	ne attached data which identi	fies the dimensions	s, material of construction,						
I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of <u>ISO 9001</u> which has been verified by the following authority, <u>Perry Johnson Registrars</u> The items covered by this declaration, for which I seek registration, are category <u>Category C</u> 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									
	lations, test reports, etc.)		tradit contract line						
Declared before me at	in the	0	f VA BEACH						
Declared before me at <u>CONCOA</u> the <u>8 th</u> day of <u>January</u> AD 20 <u>24</u>	Miriam D NOTARY P Commonwealth	UBLIC							
Commissioner for Oaths:	Reg. # 802 My Commission Exp	6038							
MIRIAM DURAN	Containssion Exp	nres 2/28/2026	지 않는 것이 같이 같이 같이 많이						
(Printed name) Miniam Buran (Signature)		(Signature of De	) clarer)						
EOR OFF	ICE USE ONLY								
To the best of my knowledge and belief, the application meets the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vess CSA Standard B51 and is accepted for registration in Category	requirements of the	Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program						
CRN: Registered by: Dated:	1.Renewal of CRN only. Registration does not cover product additions, material or design changes 2. Code of Construction is ASME B31.3 3. Flowmeters and pressure gauges are excluded from the scope of this registration	REGIST C.R.N.: 0C15806.5 Signed: Date: March 15	SR1						
1893	ar 15, 2034								

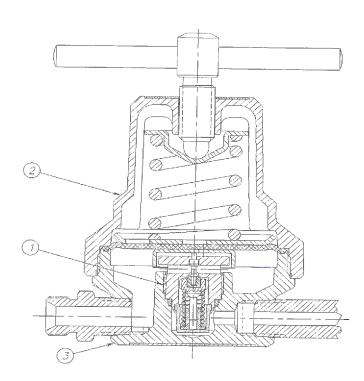
\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. 80X659X Series Compressed Gas Regulators (flowmeters on some models shall require a separate valid CRN) Note: Total internal volume is well under 1.5 cu. ft.

ltem	CRN / Test Data / Exclusions
1	Capsule
2	Bonnet
3	Body
	Tested as assembly - see attached burst test data



\*See additional notes on the registration letter

Sketch:



**Note:** 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 body and bonnet geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested item.

Test results reflect testing of the highest rated inlet and outet



May 24, 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-R4070CRN:0C15806.54Scope:CONCOA 80X659X Series Compressed Gas RegulatorsManufacturer:CONTROLS CORPORATION OF AMERICAExpiry Date:15 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 <u>gasupport@gov.mb.ca</u>. 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 <u>gasupport@gov.mb.ca</u> 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

New Brunswick	Nova Scotia	Prince Edward Island	Newfoundland and Labrador			
Nunavut	Yukon	Northwest Territories				
Manufacturers Name: Controls Corporation of America						
Manufacturers Add	ress: 1501 Harpers Road, VI	rginia Beach, VA 23454 U.S.A.				
Plant Locations: Se						
A Pipe fittings, Including	of Fittings to be register	red. Circle one Category only plugs, unions, pipe caps, or reducers	Title of the Standard of			
D Flanges, all lianges		Piego, amono, pipe caps, or reducers	<u>Construction</u>			
<u>C</u> Valves: all line valves D Expansion joints, flex	ible connections and hose as	sembles: all types	4x burst pressure			
E Strainers, filters, sepa	arators, and steam frans					
transmitters	ncluding pressure gauges, leve	el gauges, sight glasses, levels, or pressure	e			
G Certified capacity-rate	d pressure relief devices acce	ptable as primary over pressure protection	ion			
Dollers, pressure vess	els, piping and fusible plugs mponents that do not fall into					
N Nuclear components:	Class 1 🗌 Class 2 🔲 Clas	s 3 🗆 , (Meeting CNSC r mailaust	nents)			
Show Manufacturers	s Name, Trademark, or Lo	go as it will appear	Type of Construction			
		<b>IBANAA</b>	Forged II Welded II Wrought II Cast III Other III			
		PRECISION GAS CONTROL	Describe other:			
		MININGUISONCOM	See attached			
List of supporting de	ocumentation and identif	ication of the actual items to be reg				
Catalog Pages, I	Design Drawings, an	d Test Reports	istoreu.			
	0					
Declaration:						
John Friedrichs	[see note 3) em	ployed by Controls Corporation of	Al and being the person having full authority			
my knowledge represent	e quality of the end product	t do solemnly declare that the informat	tion contained in this form is true to the best of materials of construction, pressure temperature			
raungs, and identificatio	n markings are in accordar	Ice with the herein named standards	further declare that the manufacture of these			
tittings is regulated by a	Quality Control Program w	hich extends to each plant where fabr	rication occurs in whole or in part and has been			
vermed by teny ochasting	as Di	eing suitable for that purpose and I ma same force and effect as if made unde	ake this solemn declaration conscientionaly			
	()001	agine jorce and enect as it made unde	er çam.			
Signature of Declarer: _	Church 1					
Declared before me at	The second se					
This 845 day c			his space for the Official Seal			
Commissioner of Oaths	ch. · · ·	Miriam Dur NOTARY PU	an Bhio			
Or Notary Public: (sign)	Thinam Dura	~ Commonwealth o	f Viroinla			
	(Affix Official seal to the ri	Keg. # 8026	938			
		his space for Regulatory Authority use.				
0045000 5		e revalidated after ten (10) years from the o	date of acceptance,			
CRN: 0C15806.5	Revi	ACCE	PTED			
FID#: 614		PROVINCE OF PRINC	CE EDWARD ISLAND			
Notes:		COMMUNITIES, LAN	D & ENVIRONMENT			
	stered in the name of the Manufact		5795. 59 REUL			
	supported with two Statutory Deck	aration forms C.R.N. OC/-	Steller States			
and one copy of support		DATE:	C 27/24			
responsibility for the qua		uthority and	THAT			
4. Quality Control program Scope: CRN renewal, 80X6	s shall be resubmitted for validatio 559X Series Compressed Gas r product additions, material or lowmeters and pressure gaugi	n. Regulators. INSPECTION SE	RVICES SECTION Sent 10 - Fittings Rev 2			
Registration does not cove	r product additions, material or	design BOILER/PRESSUR	E VESSEL BRANCH			
excluded from the scope of	this registration. Code of con	struction:				
ASME B31.3 (DGallant)	андаалы жала улуу түрө үүнө түрөөнөө өкөөктөнөө жалаа		สมมาณ และการการการการการการการการการการการการการก			

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edwa Northwest T		Newfoundland and Labrador
Manufacturers Nam	e: Controls Corporation of An	nerica		
and the second state of th	ess: 1501 Harpers Road, Vir		54 U.S.A.	
Plant Locations: See	above			
A Pipe fittings, including B Flanges: all flanges C Valves: all line valves D Expansion joints, flexi E Strainers, filters, sepa		blugs, unions, pipe c semblies: all types	aps, or reducers	<u>Title of the Standard of</u> <u>Construction</u> 4x burst pressure
transmitters G Certified capacity-rate boilers, pressure vess	cluding pressure gauges, leve d pressure relief devices acce els, piping and fusible plugs	ptable as primary ov	er pressure protection	
	Close 1 Close 2 Close 2 Close		INCLEASE	
	Class 1 Class 2 Class Name, Trademark, or Lo			Type of Construction
	S Name, Trademark, OF LO		CONGOA RECISION GAS CONTROLS	Forged Describe other:
List of supporting d	ocumentation and identif	ication of the act	ual items to be regi	istarad'
	Design Drawings, an			otoroo.
Catalog Fages, I	Jesigii Diawings, an	in rest repor	15	
Declaration:   John Friedrichs and responsibility for th	e quality of the end produc	t do solemnly dec	lare that the information	AI and being the person having full authority tion contained in this form is true to the best of
ratings, and identificati fittings is regulated by verified by Perry Johnson	on markings are in accorda a Quality Control Program v	nce with the here which extends to e being suitable for t	n named standards. each plant where fab hat purpose and I ma	materials of construction, pressure temperature I further declare that the manufacture of these rication occurs in whole or in part and has been ake this solemn declaration conscientiously er oath.
Signature of Declarer:	()			
Declared before me at		Act. VA		
This 841 day		2024		his space for the Official Scal
Commissioner of Oath	S		Miriam Du NOTARY PU	ran
Or Notary Public: (sign	Church IN	-	Commonwealth	IDLIG
Of Notary Public. (sign			Reg. # 8026	938
	(Affix Official seal to the		Ay Commission Expl	res 2/28/2026
		This space for Regi	latory Authority use.	
0015906		be revalidated after	ten (10) years from the	dente pivagocentorice.
CRN: 0C15806.5	Revi			NOVA SCOTIA
FID#: 614	a tri gi i i pir tri anna		10%	April26/24
Notes:			G Date	Hprites EP Paul
1. All Fittings shall be re	gistered in the name of the Manufa	acturer.	C.R.N	C 15806.58 Rev. 1
	be supported with two Statutory De orting documentation.	claration forms	Dwg	as described
3. The Declaration shall	be made by the person having full uality of the end product.	authority and	Signed	
4. Quality Control progra Scope: CRN renewal. 80 Registration does not con 11/2016 changes	ams shall be resubmitted for valida X659X Series Compressed Ga ver product additions, material Flowmeters and pressure gau	tion. as Regulators. or design uges are	E.	Part Sect 1.0 - Fittings Rev.2
excluded from the scope ASME B31.3 (DGallant)	of this registration. Code of c	onstruction:	~	RIGUL

Registration does not cover product additions, material or design 11/2016 changes. Flowmeters and pressure gauges are excluded from the scope of this registration. Code of construction: ASME B31.3 (DGallant)

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 ***********************************	<u>Title of the Standard of</u> <u>Construction</u> 4x burst pressure
Show Manufacturers Name, Trademark, or Logo as it will appear CONCOA PRECISION GAS CONTROLS	Type of Construction Forged Welded Wrought Describe other: See attached
List of supporting documentation and identification of the actual items to be registered	d:
Catalog Pages, Design Drawings, and Test Reports	<u></u>

### **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:	
Declared before me at CONCOA - VABEACH, VA-	
This 8th day of Janvary AD 2024	Use this space for the Official Scal
Commissioner of Oaths	Miriam Duran NOTARY PUBLIC Commonwealth
Or Notary Public: (sign) // // // // // // // // // // // // //	Reg. # 80 CHTISWICK
This space for Regulator This registration must be revalidated after ten (	
CRN: 0C15806.5 Rev1	REGISTRATION ONLY
FID#:	CRNOC15806,57Revi
Notes:	$\Omega$ $\Lambda$
<ol> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms</li> </ol>	Can and
and one copy of supporting documentation.	CHIEF BOILER INSPECTOR
<ol> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> </ol>	DATE 4/26/24
4. Quality Control programs shall be resubmitted for validation. Scope: CRN renewal. 80X659X Series Compressed Gas Regulators.	Sect 1.0 - Fittings Rev.2
Registration does not cover product additions, material or design 11/2016 changes. Flowmeters and pressure gauges are	BLRs PVs
excluded from the scope of this registration. Code of construction: ASME B31.3 (DGallant)	CELTTINGS TINUCLEAR COMPONENTS
	EFITTINGS INOCLEAR COMPONENTS

-

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador				
Manufacturers Name: Manufacturers Addres	Contraction of the second state	l America Virginia Beach, VA 23454 U.S.A.					
Plant Locations: See al	ÓVÓ	n an					
A Pipe fittings, including of B Flanges: all flanges C Valves: all fine valves D Expansion joints, flexible	connections, and hose	tered. Circle one Category only 's, plugs, unions, pipe caps, or reducers assemblies: all types	<u>Title of the Standard of</u> <u>Construction</u> 4x burst pressure				
E Strainers, filters, separat <u>F</u> Measuring devices, inclu- transmitters G Cortified capacity-rated p bollers, pressure vessels <u>H</u> Pressure retaining comp							
N Nuclear components: (	lass 1 🗆 Class 2 🗖 C	lass 3 🗋 , (Meeting CNSC r 🕬 and	ents)				
Show Manufacturers N	Type of Construction Forged b Welded b Wrought b Cast b Other b Describe other: See attached						
1 8-4 - 6							
List of supporting documentation and identification of the actual items of registered: Catalog Pages, Design Drawings, and Test Reports							

### **Declaration:**

. .

....

Declaration: <u>John Friedrichs</u> (see note 3) employed by <u>Controls Corporation of A</u> and being the person having full authority and responsibility for the quality of the end product do solernnly 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 which extends to each plant where fabrication occurs in whole or in part and has been verified by Porry Johnson Registrars as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knewing that it is of the same force and effect as if made under oath. VILL. nt a star at the star

Signature of Declarer:				
Doclared before me at CONCOA - VA BEACH, VA-				
This 8th day of January AD 2024	Use this space for the Official Seal			
Commissioner of Oaths	Miriam Duran NOTARY PUBLIC			
Or Notary Public: (sign) Thuran Duran	Commonwealth of Virginia			
(Affix Official seal to the right) M	Reg. # 8026938 y Commission Expires 2/28/2025			
This space for Regul	atory Authority use.			
This registration must be revalidated after is				
CRN: 0C15806.5 Rev1	Newformdland			
FID#: 614	Lábrador			
Notas:	Registered 02-15,806,50 Rev 1			
1. All Fittings shall be registered in the name of the Manufacturer,	Date April 26, 2024			
<ol> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> </ol>	Engineering and Inspection Services			
<ol> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the ond product.</li> </ol>	Registered by Cry Grand			
4. Quality Control programs shall be resubmitted for validation. Scope: CRN renewal. 80X659X Series Compressed Gas Regulators. Registration does not cover product additions, material or design 11/2016 changes. Flowmeters and pressure gauges are excluded from the scope of this registration. Code of construction ASME 831.3 (DGalant)	UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS			

New Brunswick	Nova Scotia	Prince Edward Island	Newfoundland and Labrador
Nunavut	Yukon	Northwest Territories	
Manufacturers Nar	me: Controls Corporation of	America	
	the second se	Virginia Beach, VA 23454 U.S.A.	
Plant Locations: Se	ee above		
Categor	y of Fittings to be regist	tered. Circle one Category only	Title of the Standard of
	ng couplings, tees, elbows, Y	s, plugs, unions, pipe caps, or reducers	Construction
B Flanges; all flanges C Valves; all line valve			4x burst pressure
	xible connections, and hose	assemblies: all types	
E Strainers, filters, sep	parators, and steam traps		
	including pressure gauges, lo	evel gauges, sight glasses, levels, or pressu	re
transmitters G Certified capacity-rat	ed pressure relief devices a	cceptable as primary over pressure protection	an on
	ssels, piping and fusible plug		
		to one of the above categories	
N Nuclear components	s: Class 1 🗆 Class 2 🗖 C	lass 3 . (Meeting CNSC r	ments)
Show Manufacture	rs Name, Trademark, or	Logo as it will appear	Type of Construction
		(CANCA)	Forged D Welded D Wrought D
		BREGISTIN CARGO	Cast  Other  Describe other:
		- WWW.CONCOA' CON	
			See attached
List of supporting	documentation and ider	tification of the actual items to de re	gistered:
	Design Drawings,		
outdrog i ugoo,	beelgit brunnige,		
Destautions			
Declaration: John Friedrichs	(and note 2)	amployed by Controls Corporation	of AI and being the person having full authority
	the quality of the end proc	fuct do solemnly declare that the inform	nation contained in this form is true to the best of
my knowledge repres	ents the product for which	registration is sought. The dimension	s, materials of construction, pressure temperature
ratings, and identificat	tion markings are in acco	rdance with the herein named standard	s. I further declare that the manufacture of these
fittings is regulated by	a Quality Control Progra	m which extends to each plant where fa	abrication occurs in whole or in part and has been
verified by Perry Johnson	n Registrars	is being suitable for that purpose and I	make this solemn declaration conscientiously
	$()   \rho $	the same force and effect as if made un	ider oath.
Signature of Declarer:		and a second	
Declared before me a	and the second se	BEACH, VA	
This 8th day	y of January A	10 2024 Us	e this space for the Official Seal

believing it to be true, and knowing that it is of the same force an	d effect as if made under oath.
Signature of Declarer:	
Declared before me at CONCOA - VABEACH, VA-	
This 8th day of January AD 2024	Use this space for the Official Seal
Commissioner of Oaths	Miriam Duran NOTARY PUBLIC
Or Notary Public: (sign) 7/1man Duran	Commonwealth of Virginia
(Affix Official seal to the right)	Reg. # 8026938 My Commission Expires 2/28/2026
This space for R	tegulatory Authority use.
This registration must be revalidated at	iter ten (10) years from the date of acceptance. N
CRN: 0C15806.5 Rev1	R.M. F.
614	SI TH
FID#:	O BY
Notes:	2
1. All Fittings shall be registered in the name of the Manufacturer.	CRN 0C15806.5Y REV1
<ol> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> </ol>	
3. The Declaration shall be made by the person having full authority and	DATE 04/26/2024
responsibility for the quality of the end product.	
4. Quality Control programs shall be resubmitted for validation. Scope: CRN renewal. 80X659X Series Compressed Gas Regulators.	Sect 1.0 - Pittings Bev.2
Registration does not cover product additions, material or design 11/2016 changes. Flowmeters and pressure gauges are	NOT
excluded from the scope of this registration. Code of construction:	NEPC ARM
ASME B31.3 (DGallant)	

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Ne	ame: Controls Corporation of Am	nerica	
	Idress: 1501 Harpers Road, Vin		
	ory of Fittings to be register ling couplings, tees, elbows, Ys, p s	ed. Circle one Category only olugs, unions, pipe caps, or reducers	<u>Title of the Standard of</u> <u>Construction</u> 4x burst pressure
D Expansion joints, fi E Strainers, filters, se F Measuring devices transmitters	lexible connections, and hose asa eparators, and steam traps , Including pressure gauges, level	emblies: all types I gauges, sight glasses, levels, or press ptable as primary over pressure protect	
H Pressure retaining	assels, piping and fusible plugs components that do not fail into o	- To diffiften	
N Nuclear componen	ts: Class 1 Class 2 Class	s 3 🛛 , (Meeting CNSC r	ments
Show Manufacture	ers Name, Trademark, or Lo		Forged a Welded a Wrought a Cast a Other a Describe other: See attached
	4 48	ication of the actual Items when	
my knowledge repre- ratings, and identifica- fittings is regulated by varified by PanyJohas	r the quality of the end product sents the product for which re- ation markings are in accordar by a Quality Control Program V on Resistants as b	t do solemnly declare that the inform gistration is sought. The dimension nce with the herein named standard which extends to each plant where t	of AI and being the person having full authority mation contained in this form is true to the best of ns, materials of construction, pressure temperature ds. I further declare that the manufacture of these fabrication occurs in whole or in part and has been make this solemn declaration conscientiously nder oath.
Signature of Declare	r: <u>Chll</u>		
Declared before me	and the second s	seat. VA	
A COLORADO AND A COLO		<u>2027</u> Us Miriam	e this space for the Official Seel Duran
Commissioner of Oa	gn) Miriam Dura	NOTARY	PUBLIC
Or Notary Public: (a)	(Affix Official seal to the ri		026938
<b></b>		This space for Regulatory Author y lise	
0045000		be revaildated after ten (10) years from t	
CRN: 0C15806	D.5 Revi	/ Northwas Territ	st ories
FID#: 614		REGIS	STERED
Notes:	registered in the name of the Manufac	UNDER THE A	AUTHORITY OF
2. Each Category sha	all be supported with two Statutory Dec	taration formal ING DVILCH P	ND PRESSURE
3. The Declaration sh	pporting documentation. Well be made by the person having full a e quality of the end product.	authority and C.R.NOCK	5896.5TRova
4. Quality Control pro Scope; CRN renewal. Registration does not	grams shall be resubmitted for validati 80X859X Series Compressed Ga cover product additions, material o es. Flowmeters and pressure gaug pe of this registration. Code of co	on. s Regulators. or design ges are instruction:	30/24 Sect 1.0 - Fittings Rev.2
LOCINE DALLI, LAZBUR			65.00

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Is Northwest Territo		lewfoundland and Labrador
	Tukon		105	
	ne: Controls Corporation of		A.	
Plant Locations: Se		Virginia Beach, VA 23454 U.S	A.	and a second
Categor A Pipe fittings, Includin B Flanges: all flanges C Valves: all line valve D Expansion joints, flet E Strainers, filters, sep	y of Fittings to be ragis: g couplings, tees, elbows, Y s kible connections, and hose arators, and steam traps	tered. Circle one Catego s, plugs, unions, pipe caps, o essemblies: all types evel gauges, sight glasses, le	r reducers	<u>Title of the Standard of</u> <u>Construction</u> 4x burst pressure
transmitters G Certified capacity-rate bollers, pressure ves <u>H</u> Pressure retaining c	ed pressure relief devices ad sels, piping and fusible plug omponents that do not fall in	cceptable as primary over pre S No one of the above categorie	ssure protection on	
		lass 3 . (Meeting CNSC r	ments	,
Show Manufacturer	<u>s Name, Trademark, or</u>		DNCOA	Type of Construction Forged a Welded a Wrought a Cast a Other o Describe other: See attached
List of supporting	documentation and ider	ntification of the actual it	ems to de registe	red:
Catalog Pages,	Design Drawings,	and Test Reports		
my knowledge repres ratings, and identificat fittings is regulated by verified by Peny Johnson	the quality of the end pro- ents the product for which tion markings are in acco a Quality Control Progra Registrars and knewing that it is of	duct do solemnly declare t h registration is sought. The rdance with the herein name in which extends to each p	hat the information ne dimensions, mained standards. If ant where fabrica urpose and I make	and being the person having full authority contained in this form is true to the best of terials of construction, pressure temperature urther declare that the manufacture of these tion occurs in whole or in part and has been this solemn declaration conscientiously ath.
Declared before me a		BEACH VA-		
	y of January	and the second se	Use this	space for the Official Scol
Commissioner of Oat	-	Minister of the American State of the Americ	Miriam Duran	
Or Notary Public: (sig	Maria UL	ran p	NOTARY PUBL	iroinia
	(Affix Official seal to t		Reg. # 802693	B THE REPORT OF THE PARTY OF THE
[		This space for Regulatory	Authority use.	Eplers and
CRN: 0C15806.	This registration m 5 Rev1	ust be revalidated after ten (1	n rear from the dat Nunavui	e of acceptance. Pressure Vessels Act
FID#: 614			RE	GISTERED
Notes:		1	DC.II	3806.5N Der 1
Z. Each Category shall	registered in the name of the Ma i be supported with two Statutory oporting documentation.			24-04-26
3. The Declaration sha responsibility for the	all be made by the person having a quality of the end product.	1	ignod	
Registration does not c	rams shall be resubmitted for va 0X659X Series Compresse over product additions, mate s. Flowmeters and pressure of this registration. Code	dauges are	Tapitan	Sect 1.0 - Fittings Rev.2
ASME B31.3 (DGaLan			<u>lenacr</u>	L Recistray on Fee

Montréal, 28 mai 2024.

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

Direction des équipements sous pression

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

Numéro de dossier : 944056 Numéro(s) de dessin(s) : CONCOA 80X659X Series Compressed Gas Regulators

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

Bonjour,

Régie du bâtiment

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)uébec a a

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 : **0C15806.56.** 

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

Montréal, le 28 mai 2024.

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

Direction des équipements sous pression

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

OUR REFERENCE : 944056 Design number : CONCOA 80X659X Series Compressed Gas Regulators

### Subject: Design registration confirmation

Hi,

Régie du bâtiment

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Duébec a a

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): **0C15806.56.** 

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

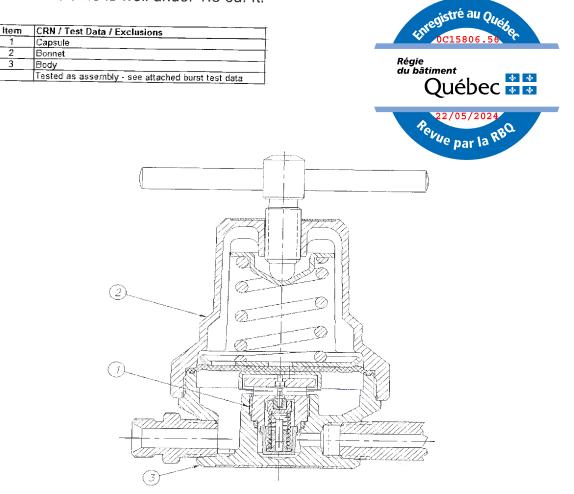
Montréal 255, boul. Crémazie Est, 2ième étage Montréal (Québec) H2M 1L5 Téléphone : 514 873-2546 Sans frais : 1 866 262-2084 enregistrementdesplans@rbq.gouv.qc.ca www.rbq.gouv.qc.ca





STATUTORY DECLARATION Registration of Fittings		
I, _John Friedrichs		
(Name and Position, e.g. President, Plant Manager, Chief Engineer)		
of		
(Name of Manufacturer)		
Located at1501 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 <i>Technical Standards and Safety Act</i> , 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 pressureas 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 C       type fittings. In support of		
The items covered by this declaration, for which I seek registration, are category Category C 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 in the in the	Y	of VA BEACH
the day of <u>Vanuary</u> AD 2027 NC	Miriam Duran	W Break
Commissioner for Oaths:	onwealth of Virginia eg. # 8026938	
My Commis	sion Expires 2/28/2026	3
(Printed name)	$\cap \cap \cap$	~
	(), RV	()
(Signature)	(Signature of	Declarer)
<b>FOR OFFICE USE ONLY</b> 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		4 Que
CSA Standard B51 and is accepted for registration in Category		6.56 ec
	Régie	
CRN:	du hâtimont	
Registered by:	Queb	
	22/05/2	2024
Dated:	R <sub>evue</sub> 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. 80X659X Series Compressed Gas Regulators (flowmeters on some models shall require a separate valid CRN) Note: Total internal volume is well under 1.5 cu, ft.



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 body and bonnet geometry, same materials of construction, same or lower pressure ratings, and the same temperature ratings as the tested item.