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Toll Free: 1.877.682.8772 www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

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PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

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MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI		
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D Expension joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam trape E Measures districts	= 4 x Max	
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(Affix Official seal to the right) # 70/15 28	STAMP 2022	
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RN: 0H5216.5 REV2	R PRESSURE	
D#: 614	PRESSURE DE DATE JUNE 33/18	
rtes:	CRN OHSAIL SAREVA	
All fillings shall be registered in the name of the Manufactum.	Dwg. as described	1
Each category shall be supported with two Statutory Declaration ms and one copy of supporting documentation.	Signed Tromas Perse	1
The declaration shall be made by the person having full authority and		
ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation	$\frac{1}{2}$	
a maximum interval of five (5) years.	Parl Parl REGULATIONS	
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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	CONTROL COO	PORATION OF AMERICA	
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A Pipe fittings, including cou		ps, unions, pipe caps, or reducers	<u> </u>
B Flanges: all flanges C Valves: all line valves			PROOF TEST
D Expansion joints, flexible (E Strainers, filters, separato)	connections, and hose assem	blies: all types	= 4 x Max
 Measuring devices, includi 	ing pressure gauges, level gai	uges, sight glasses, levels, or	
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DATE 10/22/2018

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IT FITTINGS COMPONENTS

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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CONTROLS CORPORAT	and of our our	
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PLANT LOCATIONS: (SAME)	D. VINGINIA GEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POLICE HOUSE
A Pipe fittings, including couplings, tess, allower, Ye. plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, flexible connections, and hose assembles: all ty	pes	= 4 x Max
E. Strainers, filtere, separators, and atsem traps F. Messuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
		DESIGN PRESSURE
G Certified capacity-rated pressure ratief devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
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N Nuclear components: Class 1 Class 2 Class 3 C. Masthy	AFCE or ACME manisments	
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(Affix Official seal to the right) # 7015	528 WYMAY 742-2	
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otes; All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of supporting documentation.	Service NL Registered 0H5216. Date 26 JUNE 20, Engineering and Inspection Service	18
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	N OF AMERICA	
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA 234	54 USA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE O	NE CATEGORY ONLY	TANDARD OF CONSTRUCTO
A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS, OF FEIGURES	
9 Finges: all finges C Valves: all line valves	PROOF	TEST
D Expension joints, flexible connections, and hose assemblies: all hoses	= 1	x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tres levels or	X PMA
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	L M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
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D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
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MANUFACTURERS ADDR	ESS: IEN JOPPEN	PORATION OF AMERICA	
PLANT LOCATIONS: (SAME	S ROAD, VIRGINIA BEAC	H, VA 23454 USA
		ED. CIRCLE ONE CATEGORY ONLY	- Winds
A Pipe fittings, including co	ouplings, tees, elbours, Ys, plug	ps, unions, pipe caps, or reducers	THE RESTAUDANCE OF COMMENTS
C Valves: all ane valves	connections, and hose assem		PROOF TEST
E OTHERS, Miles, Becarety	ors, and steem traps ding pressure gauges, level gas	••	= 4 x Max
G Certified capacity-rated p		ble as primary over pressure protection on	DESIGN PRESSUR
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Territorial Registration Fee



Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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

Date:

June 26, 2018

Account #: 35231 Journal #: 70974

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2324688, for a Fitting is accepted for registration as follows:

Registered To: CONTROLS CORPORATION OF

CRN:

0H5216.51

AMERICA

MDMT: -40 deg F

MAWT: 140 deg F

Drawing #: Burst Tests, Scope Sheets

Conditions Of Registration:

Renewal of Zinc Die Cast,Brass Barstock & Forged Brass Bonnets w/Barstock Casule per SOR shts (3 pgs). This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on June 05, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsafetybc.ca Design Administration

cc:

(Temperature Range: -40°F to 140°F)

	Zinc Die Cost Bonnet with Barstock Capsule (thread match to			
		Brass Barstock Bonnet with Barstock Capsule (thread match to	Forged Brass Bonnet with Barstock Capsule (thread match to	
	body}	body 45mm Bonnet	body)	
	TEST-11	TEST-12		
	CONCOA Regulators using Brass Burstock Body with a Zinc Die Cast	CONCOA Regulators using Brass Barstock Body with a Brass Barstock	i e	
	Sonnet, M20 injet Capsule Thread, 45mm Gutlet Sonnet Thread, Design	Bonnet, MZO Infet Capsule Thread. 45mm Outlet Bonnet Thread. Design	1165	
	Outlet Pressure: 500 psig / Observed Borst Pressure: 15000 psi (The following	Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi (The tollowing series	N/A	
	series are examples of this controction: 301, 302, 303, 304, 305, 306, 307, 311,	are examples of this contruction: 401, 402, 403, 404, 405, 411, 412, 414, 416, 423, 435, 438, 460, 463, 465, 470, 493, 496, 498, 619, EKIC, EKIC, EKIC, PIB, PIB, PSB,		
	312, 313, 315, 325, 56H, 601, 3070, 4500, 4800, 5100, 56A)	76C)		
		65mm Bonnet	<u> </u>	
1	TEST-14			
Ī	CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast		TEST-15	
1	Bonnet, M20 Inlet Capsule Thread, 65mm Gutlet Bonnet Thread, Despe		CONCOA Regulators using Bress Berstock Body with a Forged Bress	
TEST-1	Outlet Pressure: 250 psig / Observed Burst Pressure: 15000 psl (The following	N/A	Bonnet, MZD Injet Caprole Thread, 65mm Cuillet Bonnet Thread, Design	
Brass Barstock Body with M20 Capsule Thread	Series are examples of this construction: 109, 202, 203, 205, 206, 212, 213, 483,		Outlet Pressure: 250 psig / Observed Buryl Pressure: 17000 psi (The following series	
Design Inlet Pressure: 4500 psig / Observed Burst Pressure:	485, 683, 605, 655, 6500, 6800, 9900, EXFC, EXFN, P38, P48)		ara examples of this contraction: 6600, 6700]	
25000 ps/		1-5/8 16 Bonnet		
		1-3/8 To Bolinet	· · · · · · · · · · · · · · · · · · ·	
		CONCOA Regulators using Brass Barstock Body with a Brass Barstock	i	
	N/A			
	· · · · · · · · · · · · · · · · · · ·	Bonnet. M20 Inlet Capsula Thread, 1-5/8 16 Outlet Bonnet Thread, Design	N/A	
		Outlet Pressure: 6000 paig / Observed Burst Pressure: 29000 psi (The following series	s	
		are examples of this contraction: 492, 530) 2-16 Bonnet	<u> </u>	
		5-10 bounet		
		TESTS-27, 28		
	N/A	CONCOA Regulators using Brass Barstock Body with a Brass Barstock		
	N/M	Bonnet, M20 Inlat Capsule Thread. 2-16 Outlet Bonnet Thread. Design	N/A	
		Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following Series		
		are examples of this contruction- 622, 623, 6200, 678, 676, 80567)cq		
		2-1/16 16 Bonnet		
		TEST-16		
	_	CONCOA Regulators using Brasz Barstock Body with a Brass Barstock	•	
TEST-6	N/A	Bonnet. 5/8-24 Inlet Capsule Thread. 2-1/16 16 Outlet Bonnet Thread.	N/A	
Brass Barstock Body with 5/8-24 Capsule Thread		Design Outliet Pressure: 250 psig / Observed Burst Pressure: 17000 psi filhe following series are examples of this contraction: 4400, 5500, 5500, 5700, 8000, 150, 152, 155,	••••	
Design to the Breatmen Coop and a find a partie thiread		160, 162, 165, 308)	i	
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:		1-5/8 16 Bonnet		
28000 psi		TEST-18		
		CONCOA Regulators using Brazz Barstock Body with a Brazz Barstock	i	
1	N/A	Bonnet, 5/8-24 Inlet Capsule Thread, 1-5/8 16 Outlet Sownet Thread,	N/A	
		Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following	rs/ M	
· · · · · · · · · · · · · · · · · · ·		Stricts are examples of this contraction: 1400]		
		65mm Bonnet		
TEST-10				
Forged Brass Body with M20 Capsule Thread		!	TEST-25	
Design Inlet Pressure: 5500 psig / Observed Burst Pressure:	N/A	N/A	CONCOA Regulators using Forged Braso Berstock Body with a Forged	
26000 psi	1	*1)*1	Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread.	
	1		Design Outlet Pressure: 250 paig / Observed Burst Pressure: 17000 pai (The following series are examples of this continuction: 455)	
			And work armer and Collishing to man constitution (453)	

PAGE 1 of 2

3C J#: __

THIS IS PART OF CRN 0115216.5 R2

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	316L/304 Stainless Barstock Bonnet with Barstock Capsula (thread match to body)				
	45mm Bonnet						
	TEST-19 CONCDA Regulators using 3154 Stainless Baratock Bedy with a Ziec Die Cast Bonnet. M20 briet Capsula Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure-500 psig / Observed Burst Pressure: 17000 psi (The following saries are examples of this contruction: 321, 322, 323, 324, 327, 332, 333)	TEST-20 CONCOA Regulators using 316L Stainless Barstock Body with a Brass Barstock Bonnet. NGD Infert Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressur: 500 pulg/Observed Burst Pressure: 18000 pair (The following series are oxamples of this contraction: 145, 447, 440, 442, 454, 445, 428, 429, 429, 429, 429, 429, 429, 424, 433, 445, 461, 454, 467, 480, 495, 497, 499, P15, P23, P35, P63)	TEST-21 CONCOA Regulators using 216L Stainless Berstock Sody with a Stainless Bonnet, M20 Inlet Capsula Thread. Assem Outlet Gonnet Thread. Design Outlet Pressure: 500 psis/ 5				
		65mm Bonnet					
TEST-9 316L Stainless Barstock Body with M20 Capsule Thread Design Inlet Pressure: 6000 psig / Observed Burst Pressure;	TEST-22 COMCOA Regulators using 3161 Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 kelet Capsule Thread. Edmin Oudet Bonnet Thread. Design Oulet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following suries are examples of this contraction: 484, 486, P35, P45)		TEST-23 CONCOA Regulatury using 3164 Stainless Berstock Body with a Stainless Bonnet. M20 inlet Capsula Thread. 65onw Outlet Bonnet Thread. Design Outlet Pressure: 250 psty / Observed Burst Pressure: 1700 pst (The following series are examples of this construction: E05, C06)				
32000 psi	1-5/8 16 Bonnet						
	N/A	N/A	TEST-24 CONCOA Regulators using 316L Stainless Barstock 80dy with a Stainless Bornert. M20 knist Capsule Thread. 1-5/8 16 Outlet Bornet Thread. Design Outlet Pressure: 6000 psig / Observed Barst Pressure: 29000 psi (The Joliowing series are examples of this contraction: 493, 547)				
	2-16 8pmet						
	N/A	N/A	TEST-32 CCRCOA Regulators using 3161 Staintees Barstock Body with a Staintees Bonnet, NZD Injet Capsufe Thread, 2-45 Outlet Bonnet Thread. Design Onliet Pressure: 3000 psig / Observed Burst Pressure: 18000 asi (The following series are examples of this contraction: 87, 677)				

Stainless Barstock Transducers

YEST-34

CONCOA intrinsically Safe Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 32000 psi (The following parts are examples of this contruction: 8309150-22, etc.)

TEST-35

CONCOA Transducers, Design Pressure: 6000 psig / Observed Burst Pressure: 40000 psi (The following series are examples of chis contraction: 8309150-73, esc.)

TECHNICAL' SAFETY BC

CRN #:_

OH5216.51

Date:

June 18, 2018

BC.#

70974

THIS IS PART OF CRN ON 5216.5R2

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

6/5/18 7.6.

PAGE 2 of 2

BURST TEST RESULTS SUMMARY - REV 1

,	Test Ma	Test Description	Geometry Drawing	Reck	Body	Bonner	Seat Motive	Other Magazial	Mes Ared Pressure (PSI)	dust feesywe (PS)	iniet or Dutlet	Spiety Fector	Forephrature Facility
- [1	Brail Bersinck Booky with AZO Coppule Thread (whet Pressure Test	3	1	URS (3600) - Brass Burstack per ASTM 8-16	nfa	LINS CROOD - Waste Blastopic per ASTIM S-16	e/p	4500	25000	Infet	5.56	-417 to 1417
- 1	6	Brass Burstock Body with S/8-24 Cappade 1) wand infer Pressure Test	1	7	UPIS C36008 - Brass Barstock per ASTAI 6-16	क्षा	UNS CS6000 - Brass Barstock per ASTM 8-16	nýz	6000	28000	-	4.67	4075 to 14871
- 1	9	Jrainless Barytock Body with M20 Capsule Thread whet Pressure Test	3	10	LNS \$93003 - 315L Stainless 6 >- mack per ASSM AZ/S	UNS \$38880 - 303 Stainless Barstock per ASTM A-582	UHS \$31803 - 3151, Stainless Barstock per ASTM AZ76	u/a	500C	32000	- Indeed	5.33	-107 to 1477
1	Ţ.g	Brist Forged Rody with W25 Cappide Thread Mart Presture Test	2	- 6	LING CS 7700 - Forged Briss Barphock per ASTAL 2-124	14/2	UNS CS8000 - Brant Stristock per ASTM 0-16	n/a	5500	25800	Selet	4.73	-407 to 1407
1	11	Brass Barstock Body min Abron Zinc Die Cast Bannet Outlet Pressure Test	5	,	UHS C3600) - Bress Bersseck per ASTM 8-18	URS 233530 - Zerc Die Cast per ASTM 8-86	Ą.	a/I	500	15000	Ovelet	30	-467 to 1667
	12	Brass Barstock Body with 45mm Brass Barstock Brivnet Guiter Pressure Test	,	2	UMS C36000 - Brass Burstock per ASCAL II-16	UNS CSSCOO - Brigg Barstock per ASSM 8-16	*	1/2	500	15040	Cutlet	38	-00°F to 140°F
1	14	Britis Barslinch Body with ESmin Zinc Die Casc Bermet Gurffel Pressure Test	4	4	UNS CHEEDS - Bross Switzers per ASTM 6-15	UNS 293520 - Zinc Die Cast per ASTNI 8-26	=40	4/3	250	15800	Owder	€0	-407F to 1487F
1	15	Brass Barstock Body with SSmes Brass Forged Briefet Outlet Pressure Test	6	s	UNS C36000 - Brass Barntonic per ASTM 6-16	1995 C37700 - Forgant Brase Barttock per ASTM 9-124	ofa	n/a	250	17000	Outlet	64	-48°F Ca 140°F
	15	Grass Earstock Hody with 2 1/16 16 Brass Berstock Bormes Cuttlet Pentrure Tosi	10	7	UNS CHOOKS - Grass Barbinch per ASTM 8-16	UMS CS6000 - Brass Narsteck per ASTM R-16	N∕s	n/s	290	17000	Chyrier	и	-40°F to \$4.8°F
	18	Brass Barstock Budy salth 1-5/0 16 Brass Barstock Jordet Guildt Pretoure Yest	я	2	UNS C36008 - Britis Barmock per ASYM B-15	UNS C16000 - Braza Syrptock per ASTM 8-16	n/s	m/a	6000	25400	Dubben	4.13	40°F to 140°F
- 1	19	Statelers Burstock Body with 45mm Zinc Life Cast Burnet Outlet Pressure Test	5	10	URS 531809 - 3102 Semilies Burstock per ASTALAZ76	UNS 239520 - Zinr Ole Cass per ASTN 8-86	a/s	n/s	500	17460	Dutlet	34	-48°F to 140°F
دد ۲	20	Stawers Barstnek Budy with 43 rou Bess Burstock Banner Guilet Pressure Test	7	11	1893 531603 - 31GL Turkdess Barranck per ASTM A276	UMS C38000 - Press Baratock per ASTM 8-16	1√6	nje	500	38000	Dated	34	-46¥ to 1407
l	21	Standess Barstock Body with 45mm Standess Baistock Bonnet Guibet Freeiung Test	,	13	UNS \$31,503 - 3151, Ruinieus Ravaleck per ASPM A275	UNS 191813 - 31 U. Staiciless Battstuck per ASTIM AZ75	n/a	nle	580	19000	Outlet	36	407 to 1407
]	22	Starriers Barstock Body with Girem Zioc Zife Cast Boover Dutint Pressure Yest	4	29	UNS 531603 - 3161, Statisfees Barstock per ASTM AZ76	Urd 213530 - Zinc Che Cost per ASTM 9-86	o√a.	w/s	250	17000	Outlet	62	-40°F to 140°F
	11	Scamlers Barstock Body with GS-rem Scainlean Barstock Bornet Outlet Prassing Test	15	16	UNIS 531 GR3 - 11/0. Stoirfeis Barstock per ASTM AZ76	LIMS \$31605 - \$18. Staliniess Barstock per ASTM A276	nta	n/s	250	17601	Outlet	ü	-4077 to 34077
	24	Stainless Berstock Body with 1-5/8 16 Stainless Sarstock Bonnet Outlet Fresure Test		24	UPS \$31,809 - 31 FL. Statisfiest Surstands per ASTNa A275	UNIS S31013 - 316, Stalviesz Barstock per ASTM A276	ata	0/3	6009	29000	Guelet	4.83	-46T to 140T
Ì	25	Brass Forged Body with Streen Brass Forged Bonner Outlief Pressure Tess	6	6	UNG C37700- Forged Brass Backock per ASTM 8-124	LINS C97700 - Forged Brass Bursteck per ASTM 8-124	~/ 2	1/1	750	17000	Challet	SI	-40°F to 148°T
ļ	27	Brass Barstock Body with 2-16 Brass Barstock Bower Outlet Pressure Test	9	15	UMS (3680) - Brass Barrstock per ASTN/ 8-16	UMS C340001 - Brass Starstack per ASTM 8-16	~ /3	nfa	3000	3,0000	Defet	6	-40°F to 140°F
\	24	Brass Barstock Budy with 2-16 Brass Barstock Boweas Closes Pressure First	9	15	UMS C36000 - Briss Senstock per ASTM 9-16	UNS C58800-Brzss Baryteck per ASYM 8-16	1/2	N/a	3000	19606	Dosta	6	-40°F to 146°7
1	32	Skinnfesd Bintstock Houly wash 3-16 Scannleis Baessock Brownet Chylogs Pressure Test	9	17	UMS \$31.603 - 5161. Stateliess Derstudt per ASTM AZ76	UNS \$11603 - 3161. Stainfest Basilock per ASTM A276	M3	də	3000	18000	Distin	8	-80°F to 140°F
	34	Protect Station Cross 1/4" APT Interiolably Safe Transducer	7/a	19	7/3 2/2	n/a	r/s	UNS CONDUIT - Brasi Barstock per ASTM B-16	5500	1680)	South/Chatter	6.71	407 to 1407
.6 =	35	Trimming See Transmitter	0/2	10	Ve	n/8	K/S	LIMS S17400 + 17-4 Stainlets Steel per ASTM A-E93	6000	32000	Infet	533	487 to 1407
- 	36	Transcer Tee	0/3	21	₩0	w/s	N/S	URS 517400 - 17-4 Stainings Steel per ASTAF A-693	6000	49000	laried.	6.67	-40°5 == 1.40°5
	37	Production Statistics Velve			n/a	N/a	n/s	LINS C36000 - Brass Barstock per ASTM B-15	3000	15000		5	40° to 140°
			r4/4	77	LAVS 5.51 BCT3 - 3.16C Scalelings Burghook new ASTRA A.276		n/a	LPIS ASSOCT - SOCT Abundance per ASTACS 231	35/20	21000	print/Contact	4	-40°7 to 146°1
	. 18	Freumatic Sourdown Valve	n/a	27	CMS 311803 - 316c, Stateless Barriock per ASTM A276			LINS A96061 - 6011 Aluminum per A51M 6 211	175	900	Programmetric Improct	7.2	-diff to 140°f
	33	Diaphragm Valve	n/a	13	URS C36000 - Brass Barstock per ASTM 8-36	UPS C16703 Its ess flactback per ASTM 8-16	n/s	N/s	2500	21000	(rist/Dash)		46T to 1407
	43	Chapits gen Yalve	n/a	24	UMS C36/RIG - Brass Barstock per ASTM 8-16	LIPES C360200 - Brass Sormark per ASTM 8-16	~e	7/4	7500	23000	breat/Chattet	6.57	-40°F to 146°F
	*L	Buildhead Raducyr	N/a	×	r/a	N/8	n/a	UNS C36000 - Brass Barsluck par ASTRE 6-16	4500	25000	inist/Dates	5.54	-407 to 140Y
	41	Tog	7/a	26	n/a	7√3	M/a	UMS CAGOOD Brass Sarpters per ASTM B-16	3000	21000	Intel/Detlet	7	-40°F to 140°F
	43	184	71/2	27	-√-	. r√a	-/*	(MIS S1) Adt - 3164 Stainless Barstock per ASTM A276	3000	20000	Inhet/Ourset	667	-40 T to 1007
	- 4	Protocol Station Cross 1/4" NPT	1/4	28	R/a	#/a		UNIS \$31603 - 3164 StateMest Bargaics per ASTM A276	640G	12000	hart/Cartiet	5.33	-4FF to 140'f
													

TECHNICAL SAFETY BC

Date: June 18 2018
BC J#: 70974

THIS IS PART OF CRN*0H5216.5* R2

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

Z. C. 6/5/18



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231,1626 Toll Free: 1.877,682.8772

www.tssa.org

November 12, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National CSA

Service Request No.: 2324698

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from QC,SK, registered under the CRN No.: CSA-0H5216.56R2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

Statutory Declaration Registration of Fittings_{CSA-OH}\$2.16.56 R

	041.047.047.047.04.06 KZ
(a) Design Qualification	
4	Registration Process administered by
John Friedrichs Supervisor of Design Engineering	OSA Group per CSA RGI
(Position eg, president, plant manager, chief	ena.)
Of Controls Corporation of America (name of company)	
Located at 1501 Harpers Road, Virginia Beach, VA 23454 (plant address)	
· · · · · · · · · · · · · · · · · · ·	
do solemnly declare that the fittings listed hereunder, which are subject to the Boilers &	& Pressure Vessels Act:
 comply with all the requirements of the ANSI/ASME codes as to their dimension required: Or	ons, material, identification & service for which are
are not covered by the provisions of the ANSI/ASME codes, and are therefore burst test code and standard, and are designed to the best current engages.	constructed to comply with 4x max pressure gineering practice, as shown by the supporting test
(b) Quality control of Manufacture I further declare the manufacture of these fittings is controlled by a quality control prog. ISO 9001 and has been verified by the following authority or authority. The fittings² covered by this declaration, for which I seek registration, are Category	zed agency <u>Intertek Service's Corporation</u>
In support of the application, the following information, calculations and/or test data are Scope, Test/Reports and Representative Sketches, Design Drawings	e attached:
Declared before me at Unguna Seach	
in the of Organic	
Hall tung A (commissioner for oaths) AD 18 28 18	Signature of Declarer ³
#7115528 31MX42622	/
For Official Use Only	
The application is accepted for registration in Category H in accordance CSA Standard B51.	e with the Boilers and Pressure Vessels Act and
This registration must be revalidated after ten (10) years from the date of acceptance	e. Jun .05.2028
Registered Number CRN CSA-OHS216.56 R2 For the Date	A. BANWATT Group Ag. 08.2018

2 All fittings are required to be registered in the name of the Manufacturer.
3 This form shall be completed and signed by the president of highest office.

Renewal registration without construction material, design spectoressure rating change.

3. Technical review performed in the previous registration.

¹ Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.

REGISTERED



CRN. CSA-OH 5316. 56 RS

Registration Process administered by CSA Group per CSA B51

Technical Review performed per CSA B51 Performed by: ANRIC Enterprises Inc.

Signed: ASSINGTO

Date: S Aug 2018

2202 2nd Ave. Regina, SK S4R 1K3 PH: (306)798-7112 Toll Free: (866)530-8599 FAX: (306)787-9273 Toll Free: (866)760-9255

Email: boilerpermits@tsask.ca Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

			TSK-100)8
I. I	Declaration Information		NYCREASE	
I.	John Friedrichs		bace	\neg
,	Supervisor of Design Engineering			
	(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority in the manufacturing plant where the fitting is produced)	GAS CONTROL	Annual Control of the	l
of:	Controls Corporation of America	WWW.ALIRACONTRO	DECOM	
	(name of manufacturer)	Harrison and the second second		
loc		Beach, VA	23454	
	(Plant Address – Apt/Street) (City,Prov solemnly declare that the fittings listed hereinunder, which are subject t ssel Safety Act (check one)		(Postal Code) ewan Boiler and Pressure	
C	Comply with the requirements of	which sp	ecifies the dimensions,	1
	(title of recognized North American Standa Materials of construction, pressure / temperature ratings and identifi		of the fittings, or	
•	Are not covered by the provisions of a recognized North American s	standard and are	therefore manufactured	
	to comply with Proofs 4x Design Pressure		upported by the attached	
	data which identifies the dimensions, materials of construction, pres	sure / temperati	ure ratings and the basis	
	for such ratings, and the marking of the fittings for identification.			
ver	rther declare that the manufacturer of these fittings is controlled by a quiffied by the following authority, Intertek Services Corporation	as being su	itable for the manufacturer	
	hese fittings to the stated standard. The fittings covered by this declara 0 9001 (Category H)	ation, for which i	seek registration, are	emena .
_	support of this application, the following information, calculations and / c	a laid talah da a	ttached:	W. Salahanian
	ee Attached		as little free	
Qe.	e Attacheu	CRV CSA-	0H5216.56R2	.
		Registration	Process administered by	ا ا
H .	Declaration			
DĘ	CLARED before me at Uncarrie Beach In the STATE	of	Ungenia	745
this	day of Loud 201	\$	O	
1 345	110 1. Ste Envinc	Michael.	lica	
	print name) (Signati	ire)		
	Signature of Commissioner of Oaths) # 70155 26 EXP 31 MAY 202 3	<u></u>		
/ V	Signature of Commissioner of Oaths) # 7015 > 26 EX 31/MF 7002			
	Office Use Only			
To I	the best of my knowledge and belief, the application meets the requirements of A B51, Clause 4.2, and is accepted for registration in Category	the Boiler and P i	ressure Vessel Safety Act and	
_(CSA-0H5216.56R2 Aug. 08.20		Jun . 05 · 2028	
(Registration Number) (Date Polymon MM D (For the August AS)		(Expiry Date – MM DD YYYY)	
<u></u>		oup	A. BANWATT	┙
	A Company of the Control of the Cont	it is	A CONTRACTOR OF THE SECOND CONTRACTOR OF THE S	

 See attachment as the scope of registration.
 Renewal registration without construction material, design specifications. pressure rating change.

3. Technical review performed in the previous registration.

CSA SK-1008 Grown 10/2012 Page 1 of 1

Technical Review performed per CSA 851
Performed by: ANRIC Enterprises Inc.

2885 2000
Signed:

8 Aug 2008
Date:

REGISTERED

ESA Group

CSA- OH 5216. 76/02

Registration Process administered by GSA Group per CSA B51



345 Carlingview Drive Toronto Ontario MSW SNS Tel: 416-734-3306 Fax: 416-231-1626 Foli Free: 1.877-682-8772

www.tssa.org

June 05, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type: BPV-Fitting Registration

Service Request No.: 2285236

Your Reference No.:

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 No.:

0H5216.5R2

Main Design No.: SEE SCOPE -FITTINGS TYPE H-REV 1

Expiry Date:

05-Jun-2028

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

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, 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,

Jacus Zyl

Zivko Gacevic P. Eng.

Mechanical Engineer, BPV

Tel.: 416-734-3429 Fax: 416-231-6183

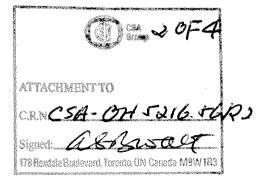
Email: zgacevic@tssa.org

ATTACHMENT TO CRNCSA-0H53.6. 56R2

🕯 178 Rexdale Bonkward, Toxonto, ON Canada MSW 183

BURST TEST RESULTS SUMMARY - REV 1

Test Description		Aing 53	Redy Redy	Bowert	Seat Novee	Other Material	Max Rated Pressure (PSB	Burst Pressure (PS)	inlet or Outlet	Safety Factor	Temperati
Bress Berstock Body with A170 Capsola Ti Inlet Pressure Test		3	UNS CREZOR - Brass Barstons per ASSSS B-16	078	UNS CARGOO - Source Bonstock per Aption 9-16	n/a	450t	25000	Inlet	5 56	40°F to 14
Brass Barstock Body with 5/8-24 Capsule 1 Inlet Pressure Tost	1 3	1	UNS CUCCO - Brass Barstons per ASPM 0.16	9/2	UNS C36800 - Seaso Baratory per ASSM 8-25	n/s	6000	28000	tolet	4.67	40°F to 10
Stainless Barstock Body with M/O Capsure \$6 Pressure Test	1	3	ulys 533603 - 316i, staviless Barstock per ASTM A	76 UNS \$30000 - 103 Stawiers Burstock per ASTIM A-582	UNS \$31603 - 3260, Standesh Sensioch per ASTIA A276	nja	6000	32000	Inlet	5.33	-40°F to 1
drass Forged Body with M20 Capsule Th Intel Pressure Test	1 *	2	1.NS C37700 - Forging Bruss Haratock per ASTM 8-1	24 17/2	IONS CARGEST - Brass Burstiack per ASTM 8-16	1/3	5500	76000	intet	4.73	49°F to 1
Brass Barstock Body with 45mm Zine Bog Cas Gut et Pressure Test		;	SWI CORGO - Brass Maraters per As for is 26	UAS 733189 - 7mc Die Cast pay ASSM B 86	0/8	n/s	500	15060	Quiter	30	407 to
Brass Barstock Body with 45 per Brass Barston Outlet Pressure Test	- F '		UNIS CAGNIO - trias Barritos per ASTM 8-16	GNS C35000 - 0 rest Garatock per ASTA 65 36	ol.	0/2	Seg	35000	Cutlet	30	40°F to
Brass Barstock Body with 65mm Zinc Die Cas Chillet Pressure Test	·	<u> </u>	UNS CHOOSE Brasis Burstock per ASTIA 8-36	UPS 734570 - Ziok Die Carr ger ASTRARISA	7/4	ofa	250	15000	Outlet	50	40°F to
Bross Barstock Body with 65mm Brass Forges Outlet Pressure Test	d Bonnet i	, [URS CEGNOO - Grass Garstock per ASTM B 16	1945 C22709 Forgot British Barstock per AVTALD-124	8/1	ola	250	17030	Outlet	68	aure to
Brass Barstock Body with 2-1716 16 Brass Barst Outlet Pressure Test	ork Bannet 1	n	1915 C36000 - Brass Banstock per ASTM 8-16	WKS C36090 - Bross burstock ger ASTM 0-16	c/s	els	250	17090	Chartet		-40°F to
Brass Barstock Body with 1-5/8 16 Brass Barsto Out of Prescore Test	sch Barriet ,	;	UNS C36000 - Orans Hip stock, per AS LAM 9-16	934 (3600) - 6224 Sarstock per ASIM 8-16	17/4	্যু ১	6904	25930	Outlet	4,83	48°F to
Stainless Barstock Body with 45mm Zinc the Co Outlet Prossure Test	est Gonnet 5	, .	0 UNS SB1003 - 8161. Steinless Barotock ger ASTNA p.	76 UND 2835701 - Zinc Der Cast per Astriu B 345	n/a	6/4	560	17006	Outlet	34	-40°F to
Stainiess Barstock Body with 45mm Brass Barsto Outlet Pressure Test	ock Bonnet ,		L Unit 531603 - 3100, Stunders Gerotock per ASSOC AS	TO UNS COMMO - Braco Bussepek per Associa-ya	6/4	(t/p	500	18000	Oosles	36	40%
Stanless Barstock Body with 45 ppg Stanless Bonnet Outlet Pressure Yest	Garstock P	, -	J UNIS SS1603 - Stöt, Standers Baretrek per ASHd at	76 UN\$ 533 603 - 3162 Stoutless Sacrouth and Asied A.20,	o/s	oja	500	18050	Gutlet	36	40%1
Stainless Barstock Body with 65mm And Die Ca Outlet Fressure Test	est Bornet 4	:	4 1845 S&1003 - \$161. Stunders: Decadors, per ASTM Az	76 UNS 233520 - Zinc One Clatiger ASTM 8-96	e/a	p/ ₂	250	17650	Outles	108	40%
Stainless Barstuck (fody with 65mm Stainless Bannet Outlet Pressure Test	Barstock 1:	,	5 SRVS S31 COR + 316), Standers Berstrock der ASTM A2	26 UNS S31603 - 316t, Standers Burstock per ASISTA A774	rlo	0/2	250	17000	Curter	68	40% t
Stainless Barstock Body with 1-5/8-16 Stainless Bonnet Outlet Pressure Test	s Darstock a	. 1	ONS 530,603 - 9261, Stainless Barstock per ASTIA 62	26 UNS \$31603 - 3161 Wainless Barstock per 45154 A376	nta	n/a	6900	29000	Outlet	4 83	40%
Bruss Forged Body with 65mm Bruss Forged Outlet Pressure Test	Bonnet. 6		UNS C377GO - Forgott Scales Sanstock mer ASTNA 8-3	14 UNS CERTON Forged Brass Baratons (91) ASTIS 8-174	1/5	n/a	250				<u> </u>
Brass Barstock Body with 2-16 Brass Barstock Outlet Pressure Fest	(Bennet g	1	UNSIGERADO - Press Persiona per ASYM Bigo	UNS 636300 - Scars Banstoni-per ASTM 5-10	5/4	n/a	3800	17000	Outlet	68	-40% (6
Grass Barstock Body with 2-16 Brass Garstock Dome Pressure Test	"	1	UES COOKÓ Brasi Baratock pol ASTM 5 té	USS C36000 - Bross Burstock per ASIM 8-36	p/a	néa	3000	16000	Done	6	-40°F (4
Standess Barstock Body with 7-16 Stainless B Bonnet Outlet Pressure Test	larstoes g	1	T UNIS 581609 - 816), Styridess Barstock per ASTM A2	26 UNS \$88608 - 8161 Stanless Sandock per ACTM A276	<i>n/</i> p	n/a	3003	18600	Outlet	,	-40°F1
Protocol Station Cross 1/4" NPT Intrinsically Sufe Transducer	n/ i/			18/4	2/3	BNS Chulxid - Bress Barstock per ASSM 8-10	9500	26063	iolet/Outlet	4,72	10.1.
Transducer				0/4	9/2	UNS 517400 - 17-4 Stainless Steel per ASTM A-693	6060	32000	inlet	5.33	
Toe	. 6/) i/a	eda	ýs.	UN\$ 517400 - 12-4 Strainless Steel per ASPALA 693	6000	40000			40°F
	n/			0/4	9/3	UNS C36000 - Brass Barstock per ASIM 6 26			Infet	6 67	40%
Pricumatic Shutdown Valve	0/		Uns S31803 - 316U Stantlets Barstock per AS1M AZ	6 UNS SESSIO - 303 Stansfeld Borslock per ASIM A SRZ	9/8	UNS A96061 - 6001 Atuminum per ASTM B 211	1000	15000	Inlet	<u> </u>	40%
Pneumatic Shutdown Valve	0/		UNS \$31603 - 316L stantins Barstrick per ASTM AC	76 CANS \$30400 303 Standers Barstinck per ASTM A \$82	9/6		350/J	21000	inlet/Outlet	6	407
D:aptiragm Vaive	10/		Øcs Cleixid - Irrans Baretock per ASTM 8-16	UNS CBDXXX Brass Burstock per ASSM 8-16	n/a	UNS A98261 - 5001 Asmanum per ASTM B 211	175	908	Presentatic toput	7.2	101
Graphragin Valve	6/.	a		USS CISCO - Brass Barston's per ASTM 8-16		,i/a	3500	21000	Intet/Outlet	6	-40"
Bulidhead Reducer	44,	a 2			19/4	0/2	3500	23000	Inlet/Outlet	6.57	401
Tee	0/4	J 2					1590	25000	inlet/Outlet	5.56	401
Tee							3800	21000	Inlet/Outlet	7	40 F
Protocol Station Cross 1/4" NPT					\$ P/3	1868 STR 609 - 9167 Manager (Lorston), may \$4081 82 to	2200	10000	4-1-0000000		101
Proto	Tee Tee	Tee n/ Tee n/	Tee n/d 28 Tee n/a 28	Tee 0/4 26 0/4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	automator u/g 25 c/g o/g r/g Tee c/g 26 c/g c/g </td <td>automated u/s 25 r/s n/s r/s u/s u/</td> <td>construction u/s 25 r/s n/s r/s u/s <th< td=""><td>constant seasor s/g 25 r/g r/g v/g v/g</td><td>construct st/g 25 r/d r/d v/d VSC (3600) - No. or particulty are ASTM (6) (6) 2500 2500 Improveded Tee r/d 26 r/d r/d r/d VSC (3600) - No. or particulty are ASTM (6) (6) 7500 2500 Intervoluted Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (6) 1000 21000 1004 (0) Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (1) 1000 21000 1004 (0)</td><td>adjoint neutron u/g 25 r/g r/g r/g u/g r/g u/g r/g r/g</td></th<></td>	automated u/s 25 r/s n/s r/s u/s u/	construction u/s 25 r/s n/s r/s u/s u/s <th< td=""><td>constant seasor s/g 25 r/g r/g v/g v/g</td><td>construct st/g 25 r/d r/d v/d VSC (3600) - No. or particulty are ASTM (6) (6) 2500 2500 Improveded Tee r/d 26 r/d r/d r/d VSC (3600) - No. or particulty are ASTM (6) (6) 7500 2500 Intervoluted Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (6) 1000 21000 1004 (0) Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (1) 1000 21000 1004 (0)</td><td>adjoint neutron u/g 25 r/g r/g r/g u/g r/g u/g r/g r/g</td></th<>	constant seasor s/g 25 r/g r/g v/g v/g	construct st/g 25 r/d r/d v/d VSC (3600) - No. or particulty are ASTM (6) (6) 2500 2500 Improveded Tee r/d 26 r/d r/d r/d VSC (3600) - No. or particulty are ASTM (6) (6) 7500 2500 Intervoluted Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (6) 1000 21000 1004 (0) Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (1) 1000 21000 1004 (0)	adjoint neutron u/g 25 r/g r/g r/g u/g r/g u/g r/g r/g



THIS IS PART OF CRN 045216.5 R2

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

2.6. 6/5/18

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	Forged Brass Bonnet with Barstock Capsule (thread match to			
		45mm Bonnet	body)			
	TEST-11					
	CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast	TEST-12 CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design	Bonnet, M20 Inlet Capsule Thread, 45mm Outlet Bonnet Thread. Design				
	Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi (The following	Outlet Prossure: 500 psig / Observed Burst Pressure: 15000 psi (The fallowing series	N/A			
	scries are examples at this contraction: 301, 302, 303, 304, 305, 306, 307, 311,	are examples of this contruction: 401, 402, 403, 404, 405, 411, 412, 414, 416, 423.	77			
	312, 313, 315, 325, 560, 601, 3070, 4500, 4800, 5200, 56A)	435, 438, 460, 463, 465, 470, 491, 496, 498, 619, EXIC, EX2C, EXDC, P18, P28, P58,				
		96C) 65mm Bonnet				
		OSIMI BONNET				
	TEST-14					
	CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast		TEST-15			
TEST-1	Bonnet, M28 Inlet Capsule Thread, 65mm Outlet Bonnet Thread, Design	N/A	CONCOA Regulators using Brass Barstock Body with a Forged Brass			
Brass Barstock Body with M20 Capsule Thread	Outlet Pressure: 250 psig / Observed Buest Pressure: 15000 psi (The following series are examples of this contraction: 109, 202, 203, 205, 206, 212, 213, 483,	7,7	Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design			
	485, 603, 605, 655, 6500, 6800, 9900, EXEC, EXEN, P39, P48)		Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following serie: are examples of this contraction: 6600, 6700)			
Design Inlet Pressure: 4500 psig / Observed Burst Pressure:	102, 002, 003, 023, 0300, 0300, 0300, 0310, 0310, 290,		ore examples of this completion. Gode, 674(0)			
25000 psi		1-5/8 16 Bonnet				
		TEST-18				
	N/ 6 A	CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet, M20 inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design	N/A			
		Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series	·			
		are examples of this contraction: 492, 530)				
	2-16 Bonnet					
		TESTS-27, 28				
		CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet, M20 Inlet Capsule Thread, 2-16 Outlet Bonnet Thread, Design	N/A			
		Cluttet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following series	"""			
		are examples of this contruction: 622, 623, 6200, 678, 676, 36567xX)				
		2-1/16 16 Bonnet				
		TEST-16				
		CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet. 5/8-24 Inlet Capsule Thread. 2-1/16 16 Outlet Bonnet Thread.				
TEST-6	****	Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following	N/A			
Brass Barstock Body with 5/8-24 Capsule Thread		series are examples of this contraction: 4400, 5500, 5600, 5700, 8000, 150, 152, 155,				
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:		160, 162, 166, 308)				
28000 psi	· · · · · · · · · · · · · · · · · · ·	1-5/8 16 Bonnet				
,		TEST-18				
	N. 4.5	CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet. 5/8-24 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread.	N/A			
		Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following	·			
		series are examples of this contraction: 1400)				
TEST-10		65mm Bonnet				
Forged Brass Body with M20 Capsule Thread		· · · · · · · · · · · · · · · · · · ·	TROY OF			
Davian Jaint Processes (SEGG - 1 - 4 Of			TEST-25			
Design Inlet Pressure: 5500 psig / Observed Burst Pressure:	30F4	N/A	CONCOA Regulators using Forged Brass Barstock Body with a Forged			
26000 psi	Strome J J T T	···	Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The			
			following series are examples of this contraction: 455)			
			1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

ATTACHMENT TO

C.R.N. C.SA - OH 13/6.1C/P2012

Signed: CLUSCOL

178 Rexdate Bousevard, Foresta, ON Canada M9W 1R3

THIS IS PART OF CRN 0H5216.5R2

6/5/13

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	316L/304 Stainless Barstock Bonnet with Barstock Capsule (thread match to body)			
	TEST-19 CONCOA Regulators using 3161 Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 17000 psi (The tollowing series are examples of this contraction: 321, 322, 323, 324, 327, 332, 333)	45mm Bonnet TEST-20 CONCOA Regulators using 316L Stainless Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction:415, 417, 420, 424, 425, 426, 427, 428, 429, 430, 432, 433, 445, 462, 464, 467, 480, 695, 497, 499, , P1S, P2S, P5S, P6S)	TEST-21 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Throad. 45mm Outlet Bonnet Throad. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: EXIG, EXIS, EXIP, EXZG, EXZS, EXBG, EXBS, EXDS, EXVS)			
	65mm Bonnet					
TEST-9 316t. Stainless Barstock Body with M20 Capsule Thread Design Inlet Pressure: 6000 psig / Observed Burst Pressure:	TEST-22 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contraction: 484, 486, 935, 945)		TEST-23 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread, 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 1700 psi (The following series are examples of this contruction: EXFS, EXFG)			
32000 psi	1-5/8 16 Bonnet					
	, N/A	N/A	TEST-24 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psg/ Observed Burst Pressure: 29000 psj (The following series are examples of this contruction: 493, 547)			
	2-16 Bonnet					
	N/A	N/A	TEST-32 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsulo Thread. 2-16 Outlet Bonnet Thread. 0-sign Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following Series are examples of this contruction: 675, 677)			

Stainless Barstock Transducers

TEST-34

CONCOA Intrinsically Safe Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 32000 psi (The following parts are examples of this contruction: 8309150-22, etc.)

TEST-35

CONCOA Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 40000 psi (The following series are examples of this contraction: 8309150-23, etc.)



ATTACHMENTTO

CRN CSA-OH 5216. 56 R)

Signed Gelliocell

178 Rexdate Boulevard, Toronto, ON, Canada M9W tR3

THIS IS PART OF CRN ON 5216.522

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

6/1/18 2.6



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

October 12, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National MB

Service Request No.: 2324840

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from MB, registered under the CRN No.: 0H5216.54.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis Administrative Assistant_ BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org



Inspection and Technical Services Manitoba

500 - 401 York Avenue Winnipeg Manitoba R3C 0P8 T (204) 945-3373 F (204) 948-2309

www.firecomm.gov.mb.ca/codes_steam_pressure.html

September 25, 2018

TSSA 345 Carlingview Drive Toronto, ON M9W 6N9

Attn: Joanna Karpinski

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: Controls Corporation of America

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
See Attached "Scope for Fittings Type H - Rev. 1"	0H5216.54	39058

An invoice covering survey and registration fees is enclosed.

NOTE:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA
- See attached stamped "this is part of CRN" for scope of registration.
- This registration expires June 5, 2028.

This 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 the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,

Rabie Harb, P. Eng.

Engineer

Office of the Fire Commissioner
Inspection and Technical Services Manitoba

lie Hart

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: rabie.harb@gov.mb.ca



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



STATUTORY DECL Registration of Fit		
	ungs	
I, MICHAEL SIMS, MECHANICAL DESIGN ENGINEER	0	
(Name and Position, e.g. President, Plant Manager	r, Chief Engineer)	
(Name of Manufacturer)		
Located at 1501 HARPERS ROAD, VIRGINIA BEACH, VA 23454	757 422 8330	757 422 3125
(Plant Address)	(Telephone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are subject to and Pressure Vessels Regulation, comply with all of the requirements of	o the Technical Standard f	ds and Safety Act, Boiler
(Title of recognized North American Stand which specifies the dimensions, materials of construction, pressure/temperature	ard) ratings, identification markir	ng the fittings and service;
or are not covered by the provisions of a recognized North American star ProofPressure=4xMaxDesignPress as supported by the attached data w pressure/temperature ratings and the basis for such ratings, the marking of	hich identifies the dimension	ns material of construction
I further declare that the manufacture of these fittings is controlled by a quality sys which has been verified by the following authority, Intertek Servi		ents of ISO 9001
The items covered by this declaration, for which I seek registration, are category H		
this application, the following information and/or test data are attached as follows: SCOPE, TEST REPORTS AND REPRESENTATIVE SKETCHES, & DESIGN	DDAWING	
(drawings, calculations, test reports, et		
Declared before me at Ungua Brach in the	1416	of Ungenie
the day of AD 20 18		
Commissioner for Oaths:		
Helelle Trans		
(Printed name)	Michaels	linis
(Signature) #70155% EXP 3(MAY 2022	(Signature of D	eclarer)
FOR OFFICE USE ONLY		
To the best of my knowledge and belief, the application meets the requirements of the	HINDONIANI ON	Office of the Fire ‡
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	Technical Services Manitoba	
13.		oba 🏞 📗
CRN: <u>ФН5 216.54</u>	NEAN -	
Registered by: KASIE HARB	с.R.N.: ФН	5216.54
Dated: 2018/09/25	Signed R. Date: ZOII	lie Harb 3/04/25
NOTE: This registration expires on:	36 Samente e transporte e trans	and and the state of the state

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



Colleen Anne Ratcliff, a Commissioner, etc. City of Toronto, for the Technical Standards & Safety Authority. Expires July 24, 2019.

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to	Forged Brass Bonnet with Barstock Capsule (thread match to			
	nody	body) 45mm Bonnet	body)			
	TEST-11 CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 5000 psi (The following series are examples of this contruction: 301, 302, 303, 304, 305, 306, 307, 311, 312, 313, 315, 325, 56H, 601, 3070, 4500, 4500, 5200, 56A)	TEST-12 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. Symm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi (The following series are examples of this contruction: 401, 402, 403, 404, 405, 411, 412, 414, 416, 423, 435, 438, 460, 463, 465, 470, 491, 496, 498, 619, EXIC, EXZC, EXDC, P1B, P2B, P5B, P6C)	N/A			
		65mm Bonnet				
TEST-1 Brass Barstock Body with M20 Capsule Thread Design Inlet Pressure: 4500 psig / Observed Burst Pressure:	TEST-14 CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 15000 psi (The following series are examples of this contruction: 109, 202, 203, 205, 206, 212, 213, 483, 485, 603, 605, 655, 6500, 6800, 9900. EXFC, EXFN, P3B, P4B)	N/A	TEST-15 CONCOA Regulators using Brass Barstock Body with a Forged Brass Bonnet. M20 Inlet Capsule Thread. S5mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 6600, 6700)			
25000 psi		1-5/8 16 Bonnet				
	N/A	TEST-18 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 492, 530) 2-16 Bonnet				
	N/A	TESTS-27, 28 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 2-16 Outlet Bonnet Thread. Design Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: 622, 623, 6200, 678, 676, 80567XX)	N/A			
]	2-1/16 16 Bonnet					
TEST-6 Brass Barstock Body with 5/8-24 Capsule Thread	N/A	TEST-16 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. 5/8-24 Inlet Capsule Thread. 2-1/16 16 Outlet Bonnet Thread. Design Outlet Pressure. 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 4400, 5500, 5600, 5700, 8000, 150, 152, 155, 160, 162, 165, 308)	N/A			
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:		1-5/8 16 Bonnet				
28000 psi	N/A	TEST-18 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. 5/8-24 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 pig / Observed Burst Pressure: 2000 ps/ (The following series are examples of this contruction: 1400)	N/A			
		65mm Bonnet				
TEST-10 Forged Brass Body with M20 Capsule Thread Design Inlet Pressure: 5500 psig / Observed Burst Pressure: 26000 psi	N/A	n/a	TEST-25 CONCOA Regulators using Forged Brass Barstock Body with a Forged Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 455)			



(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	316L/304 Stainless Barstock Bonnet with Barstock Capsule (thread match to body)			
		45mm Bonnet				
	•	TEST-20 CONCOA Regulators using 316L Stainless Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18090 psi (The following series are examples of this contruction. 415, 417, 420, 424, 425, 426, 427, 428, 429, 430, 432, 433, 445, 462, 464, 467, 480, 495, 497, 499, , P1S, P2S, P5S, P6S)	TEST-21 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: EXIG, EXIS, EXIP, EXZG, EXZS, EXBG, EXBS, EXOS, EXVS)			
		65mm Bonnet				
TEST-9 316L Stainless Barstock Body with M20 Capsule Thread Design Inlet Pressure: 6000 psia / Observed Burst Pressure:	TEST-22 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following scries are examples of this contruction: 484, 486, P3S, P4S)	N/A	TEST-23 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: EXFS, EXFG)			
32000 psi	1-5/8 16 Bonnet					
	N/A	N/A	TEST-24 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 493, 547)			
	2-16 Bonnet					
	N/A	N/A	TEST-32 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 2-16 Outlet Bonnet Thread. Design Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: 675, 677)			

Stainless Barstock Transducers

TEST-34

CONCOA Intrinsically Safe Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 32000 psi (The following parts are examples of this contruction: 8309150-22, etc.)

TEST-35

CONCOA Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 40000 psi (The following series are examples of this contruction: 8309150-23, etc.)



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231,1626 Toll Free: 1.877,682.8772

www.tssa.org

November 12, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National CSA

Service Request No.: 2324698

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from QC,SK, registered under the CRN No.: CSA-0H5216.56R2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

Statutory Declaration Registration of Fittings_{CSA-OH}\$2.16.56 R

	041.047.047.047.04.06 KZ						
(a) Design Qualification							
4	Registration Process administered by						
John Friedrichs Supervisor of Design Engineering	OSA Group per CSA RGI						
(Position eg, president, plant manager, chief	ena.)						
Of Controls Corporation of America (name of company)							
Located at 1501 Harpers Road, Virginia Beach, VA 23454 (plant address)							
· · · · · · · · · · · · · · · · · · ·							
do solemnly declare that the fittings listed hereunder, which are subject to the Boilers &	& Pressure Vessels Act:						
 comply with all the requirements of the ANSI/ASME codes as to their dimension required: Or	ons, material, identification & service for which are						
are not covered by the provisions of the ANSI/ASME codes, and are therefore burst test code and standard, and are designed to the best current engages.	constructed to comply with 4x max pressure gineering practice, as shown by the supporting test						
(b) Quality control of Manufacture I further declare the manufacture of these fittings is controlled by a quality control prog. ISO 9001 and has been verified by the following authority or authority. The fittings² covered by this declaration, for which I seek registration, are Category	zed agency <u>Intertek Service's Corporation</u>						
In support of the application, the following information, calculations and/or test data are Scope, Test/Reports and Representative Sketches, Design Drawings	e attached:						
Declared before me at Unguna Seach							
in the of Organic							
Hall tung A (commissioner for oaths) AD 18 28 18	Signature of Declarer ³						
#7115528 31MX42622	/						
For Official Use Only							
The application is accepted for registration in Category in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.							
This registration must be revalidated after ten (10) years from the date of acceptance	e. Jun .05.2028						
Registered Number CRN CSA-OHS216.56 R2 For the Date	A. BANWATT Group Ag. 08.2018						

2 All fittings are required to be registered in the name of the Manufacturer.
3 This form shall be completed and signed by the president of highest office.

Renewal registration without construction material, design spectoressure rating change.

3. Technical review performed in the previous registration.

¹ Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.

REGISTERED



CRN. CSA-OH 5316. 56 RS

Registration Process administered by CSA Group per CSA B51

Technical Review performed per CSA B51 Performed by: ANRIC Enterprises Inc.

Signed: ASSINGTO

Date: S Aug 2018

2202 2nd Ave. Regina, SK S4R 1K3 PH: (306)798-7112 Toll Free: (866)530-8599 FAX: (306)787-9273 Toll Free: (866)760-9255

Email: boilerpermits@tsask.ca Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

			TSK-100)8
I. I	Declaration Information		NYCREASE	
I.	John Friedrichs		bace	\neg
,	Supervisor of Design Engineering			
	(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority in the manufacturing plant where the fitting is produced)	GAS CONTROL	Annual Control of the	l
of:	Controls Corporation of America	WWW.ALIRACONTRO	DECOM	
	(name of manufacturer)	Harrison and the second second		
loc		Beach, VA	23454	
	(Plant Address – Apt/Street) (City,Prov solemnly declare that the fittings listed hereinunder, which are subject t ssel Safety Act (check one)		(Postal Code) ewan Boiler and Pressure	
C	Comply with the requirements of	which sp	ecifies the dimensions,	1
	(title of recognized North American Standa Materials of construction, pressure / temperature ratings and identifi		of the fittings, or	
•	Are not covered by the provisions of a recognized North American s	standard and are	therefore manufactured	
	to comply with Proofs 4x Design Pressure		upported by the attached	
	data which identifies the dimensions, materials of construction, pres	sure / temperatu	ure ratings and the basis	
	for such ratings, and the marking of the fittings for identification.			
ver	rther declare that the manufacturer of these fittings is controlled by a quiffied by the following authority, Intertek Services Corporation	as being su	itable for the manufacturer	
	hese fittings to the stated standard. The fittings covered by this declara 0 9001 (Category H)	ation, for which i	seek registration, are	emena .
_	support of this application, the following information, calculations and / c	a laid talah da a	ttached:	W. Salahanian
	ee Attached		as little free	
Qe.	e Attacheu	CRV CSA-	0H5216.56R2	.
		Registration	Process administered by	ا ا
H .	Declaration			
DĘ	CLARED before me at Uncarrie Beach In the STATE	of	Ungenia	745
this	day of Loud 201	\$	O	
1 345	110 1. Ste Envinc	Michael.	lica	
	print name) (Signati	ire)		
	Signature of Commissioner of Oaths) # 70155 26 EXP 31 MAY 202 3	<u></u>		
/ V	Signature of Commissioner of Oaths) # 7015 > 26 EX 31/MF 7002			
	Office Use Only			
To I	the best of my knowledge and belief, the application meets the requirements of A B51, Clause 4.2, and is accepted for registration in Category	the Boiler and P i	ressure Vessel Safety Act and	
_(CSA-0H5216.56R2 Aug. 08.20		Jun . 05 · 2028	
(Registration Number) (Date Polymon MM D (For the August AS)		(Expiry Date – MM DD YYYY)	
<u></u>		oup	A. BANWATT	┙
	A Company of the Control of the Cont	it is	A CONTRACTOR OF THE SECOND CONTRACTOR OF THE S	

 See attachment as the scope of registration.
 Renewal registration without construction material, design specifications. pressure rating change.

3. Technical review performed in the previous registration.

CSA SK-1008 Grown 10/2012 Page 1 of 1

Technical Review performed per CSA 851
Performed by: ANRIC Enterprises Inc.

2885 2000
Signed:

8 Aug 2008
Date:

REGISTERED

ESA Group

CSA- OH 5216. 76/02

Registration Process administered by GSA Group per CSA B51



345 Carlingview Drive Toronto Ontario MeW ENG Tel: 416-734-3306 Fax: 416-231-1626 Foli Free: 1.877-682-8772

www.tssa.org

June 05, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type: BPV-Fitting Registration

Service Request No.: 2285236

Your Reference No.:

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 No.:

0H5216.5R2

Main Design No.: SEE SCOPE -FITTINGS TYPE H-REV 1

Expiry Date:

05-Jun-2028

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

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, 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,

Jacus Zyl

Zivko Gacevic P. Eng.

Mechanical Engineer, BPV

Tel.: 416-734-3429 Fax: 416-231-6183

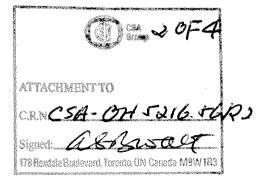
Email: zgacevic@tssa.org

ATTACHMENT TO CRNCSA-0H53.6. 56R2

🕯 178 Rexdale Bonkward, Toxonto, ON Canada MSW 183

BURST TEST RESULTS SUMMARY - REV 1

Test Description		Aing 53	Redy Redy	Bowert	Seat Novee	Other Material	Max Rated Pressure (PSB	Burst Pressure (PS)	inlet or Outlet	Safety Factor	Temperati
Bress Berstock Body with A170 Capsola Ti Inlet Pressure Test		3	UNS CREZOR - Brass Barstons per ASSSS B-16	078	UNS CARGOO - Source Bonstock per Aption 9-16	n/a	450t	25000	Inlet	5 56	40°F to 14
Brass Barstock Body with 5/8-24 Capsule 1 Inlet Pressure Tost	1 3	1	UNS CUCCO - Brass Bassins per ASPA 0.16	9/2	UNS C36800 - Seaso Baratory per ASSM 8-25	n/s	6000	28000	tolet	4.67	40°F to 10
Stainless Barstock Body with M/O Capsure \$6 Pressure Test	1	3	ulys 533603 - 316i, staviless Barstock per ASTM A	76 UNS \$30000 - 103 Stawiers Burstock per ASTIM A-582	UNS \$31603 - 3260, Standesh Sensioch per ASTIA A276	nja	6000	32000	Inlet	5.33	-40°F to 1
drass Forged Body with M20 Capsule Th Intel Pressure Test	1 *	2	1.NS C37700 - Forging Bruss Haratock per ASTM 8-1	24 17/2	IONS CARGEST - Brass Burstiack per ASTM 8-16	1/3	5500	76000	intet	4.73	49°F to 1
Brass Barstock Body with 45mm Zine Bog Cas Gut et Pressure Test		;	SWI CORGO - Brass Maraters per As for is 26	UAS 733189 - 7mc Die Cast pay ASSM B 86	0/8	n/s	500	15060	Quiter	30	407 to
Brass Barstock Body with 45 per Brass Barston Outlet Pressure Test	- F '		UNA CAGNIO - truss Barritosa der ASTM 8-16	GNS C35000 - 0 rest Garatock per ASTA 65 36	ol.	0/2	Seg	35000	Cutlet	30	40°F to
Brass Barstock Body with 65mm Zinc Die Cas Chillet Pressure Test	·	<u> </u>	UNS CHOOSE Brasis Burstock per ASTIA 8-36	UPS 734570 - Ziok Die Cast ges ASTAR Bago	7/4	ofa	250	15000	Outlet	50	40°F to
Bross Barstock Body with 65mm Brass Forges Outlet Pressure Test	d Bonnet i	, [URS CEGNOO - Grass Garstock per ASTM B 16	1945 C22709 Forgot British Barstock per AVTALD-124	8/1	ola	250	17030	Outlet	68	aure to
Brass Barstock Body with 2-1716 16 Brass Barst Outlet Pressure Test	ork Bannet 1	n	1915 C36000 - Brass Banstock per ASTM 8-16	WKS C36090 - Bross burstock ger ASTM 0-16	c/s	els	250	17090	Chartet		-40°F to
Brass Barstock Body with 1-5/8 16 Brass Barsto Out of Prescore Test	sch Barriet ,	;	UNS C36000 - Orans Hip stock, per AS LAM 9-16	934 (3600) - 6224 Sarstock per ASTM 8-16	17/4	্যু ১	6904	25930	Outlet	4,83	48°F to
Stainless Barstock Body with 45mm Zinc the Co Outlet Prossure Test	est Gonnet 5	, .	0 UNS SB1003 - 8161. Steinless Barotock ger ASTNA p.	76 UND 2835701 - Zinc Der Cast per Astriu B 345	n/a	6/4	560	17006	Outlet	34	-40°F to
Stainiess Barstock Body with 45mm Brass Barsto Outlet Pressure Test	ock Bonnet ,		1 Unit 531603 - 3100, Stunders Gerotock per ASSIST #3	TO UNS COMMO - Braco Bussepek per Associ (1-36	6/4	(t/p	500	18000	Oosles	36	40%
Stanless Barstock Body with 45 ppg Stanless Bonnet Outlet Pressure Yest	Garstock P	, -	J UNIS SS1003 - Stöt, Standers Baretrek per ASHd at	76 UN\$ 533 603 - 3162 Stoutless Sacrouth and Asied A.20,	o/s	oja	500	18050	Gutlet	36	40%1
Stainless Barstock Body with 65mm And Die Ca Outlet Fressure Test	est Bornet 4	:	4 1845 S&1003 - \$161. Stunders: Decatock, per ASTM Az	76 UNS 233520 - Zinc One Clatiger ASTM 8-96	e/a	p/ ₂	250	17650	Outles	108	40%
Stainless Barstuck (fody with 65mm Stainless Bannet Outlet Pressure Test	Barstock 1:	,	5 SRVS S31 COR + 316), Standers Berstrock der ASTM A2	26 UNS S31603 - 316t, Stanbers Burstock per ASISTA A774	rlo	0/2	250	17000	Curter	68	40% t
Stainless Barstock Body with 1-5/8-16 Stainless Bonnet Outlet Pressure Test	s Darstock a	. 1	ONS 530,603 - 9261, Stainless Barstock per ASTIA 62	26 UNS \$31603 - 3161 Wainless Barstock per 45154 A376	nta	n/a	6900	29000	Outlet	4 83	40%
Bruss Forged Body with 65mm Bruss Forged Outlet Pressure Test	Bonnet. 6		UNS C377GO - Forgott Scales Sanstock mer ASTNA 8-3	14 UNS CERTON Forged Brass Baratons (91) ASTIS 8-174	1/5	n/a	250				<u> </u>
Brass Barstock Body with 2-16 Brass Barstock Outlet Pressure Fest	(Bennet g	1	UNSIGERADO - Press Persiona per ASYM Bigo	UNS 636300 - Scars Banstoni-per ASTM 5-10	5/4	n/a	3800	17000	Outlet	68	-40% (6
Grass Barstock Body with 2-16 Brass Garstock Dome Pressure Test	"	1	UES COOKÓ Brasi Baratock pol ASTM 5 té	USS C36000 - Bross Burstock per ASIM 8-36	p/a	néa	3000	16000	Done	6	-40°F (4
Standess Barstock Body with 7-16 Stainless B Bonnet Outlet Pressure Test	larstoes g	1	T UNIS 581609 - 816), Styridess Barstock per ASTM A2	26 UNS \$88608 - 8161 Stanless Sandock per ACTM A276	<i>n/</i> p	n/a	3003	18600	Outlet	,	-40°F1
Protocol Station Cross 1/4" NPT Intrinsically Sufe Transducer	n/ i/			18/4	2/3	BNS Chulxid - Bress Barstock per ASSM 8-10	9500	26063	iolet/Outlet	4,72	10.1.
Transducer				0/4	9/2	UNS 517400 - 17-4 Stainless Steel per ASTM A-693	6060	32000	inlet	5.33	
Toe	. 6/) i/a	eda	ýs.	UN\$ 517400 - 12-4 Strainless Steel per ASPALA 693	6000	40000			40°F
	n/			0/4	9/3	UNS C36000 - Brass Barstock per ASIM 6 26			Infet	6 67	40%
Pricumatic Shutdown Valve	0/		Uns S31803 - 316U Stantlets Barstock per AS1M AZ	6 UNS SESSIO - 303 Stansfeld Borslock per ASIM A SRZ	9/8	UNS A96061 - 6001 Atuminum per ASTM B 211	1000	15000	Inlet	<u> </u>	40%
Pneumatic Shutdown Valve	0/		UNS \$31603 - 316L stantins Barstrick per ASTM AC	76 CANS \$30400 303 Standers Barstinck per ASTM A \$82	9/6		350/J	21000	inlet/Outlet	6	407
D:aptiragm Vaive	10/		Øcs Cleixid - Irrans Baretock per ASTM 8-16	UNS CBDXXX Brass Burstock per ASSM 8-16	n/a	UNS A98261 - 5001 Asmanum per ASTM B 211	175	908	Presentatic toput	7.2	101
Graphragin Valve	6/.	a		USS CISCO - Brass Barston's per ASTM 8-16		,i/a	3500	21000	Intet/Outlet	6	-40"
Bulidhead Reducer	44,	a 2			19/4	0/2	3500	23000	Inlet/Outlet	6.57	401
Tee	0/4	J 2					1590	25000	inlet/Outlet	5.56	401
Tee							3800	21000	Inlet/Outlet	7	40 F
Protocol Station Cross 1/4" NPT					\$ P/3	1868 STR 609 - 9167 Manager (Lorston), may \$4081 82 to	2200	10000	4-1-0000000		101
Proto	Tee Tee	Tee n/ Tee n/	Tee n/d 28 Tee n/a 28	Tee 0/4 26 0/4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	automator u/g 25 c/g o/g r/g Tee c/g 26 c/g c/g </td <td>automated u/s 25 r/s n/s r/s u/s u/</td> <td>construction u/s 25 r/s n/s r/s u/s <th< td=""><td>constant seasor s/g 25 r/g r/g v/g v/g</td><td>construct st/g 25 r/d r/d v/d VSC (3600) - No. or particulty are ASTM (6) (6) 2500 2500 Improveded Tee r/d 26 r/d r/d r/d VSC (3600) - No. or particulty are ASTM (6) (6) 7500 2500 Intervoluted Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (6) 1000 21000 1004 (0) Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (1) 1000 21000 1004 (0)</td><td>adjoint neutron u/g 25 r/g r/g r/g u/g r/g u/g r/g r/g</td></th<></td>	automated u/s 25 r/s n/s r/s u/s u/	construction u/s 25 r/s n/s r/s u/s u/s <th< td=""><td>constant seasor s/g 25 r/g r/g v/g v/g</td><td>construct st/g 25 r/d r/d v/d VSC (3600) - No. or particulty are ASTM (6) (6) 2500 2500 Improveded Tee r/d 26 r/d r/d r/d VSC (3600) - No. or particulty are ASTM (6) (6) 7500 2500 Intervoluted Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (6) 1000 21000 1004 (0) Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (1) 1000 21000 1004 (0)</td><td>adjoint neutron u/g 25 r/g r/g r/g u/g r/g u/g r/g r/g</td></th<>	constant seasor s/g 25 r/g r/g v/g v/g	construct st/g 25 r/d r/d v/d VSC (3600) - No. or particulty are ASTM (6) (6) 2500 2500 Improveded Tee r/d 26 r/d r/d r/d VSC (3600) - No. or particulty are ASTM (6) (6) 7500 2500 Intervoluted Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (6) 1000 21000 1004 (0) Tee r/d 27 r/d VSC (3600) - No. or particulty are ASTM (1) (1) 1000 21000 1004 (0)	adjoint neutron u/g 25 r/g r/g r/g u/g r/g u/g r/g r/g



THIS IS PART OF CRN 045216.5 R2

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

2.6. 6/5/18

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	Forged Brass Bonnet with Barstock Capsule (thread match to			
		45mm Bonnet	body)			
	TEST-11					
	CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast	TEST-12 CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design	Bonnet, M20 Inlet Capsule Thread, 45mm Outlet Bonnet Thread. Design				
	Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi (The following	Outlet Prossure: 500 psig / Observed Burst Pressure: 15000 psi (The fallowing series	N/A			
	scries are examples at this contraction: 301, 302, 303, 304, 305, 306, 307, 311,	are examples of this contruction: 401, 402, 403, 404, 405, 411, 412, 414, 416, 423.	77			
	312, 313, 315, 325, 560, 601, 3070, 4500, 4800, 5200, 56A)	435, 438, 460, 463, 465, 470, 491, 496, 498, 619, EXIC, EX2C, EXDC, P18, P28, P58,				
		96C) 65mm Bonnet				
		OSIMI BONNET				
	TEST-14					
	CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast		TEST-15			
TEST-1	Bonnet, M28 Inlet Capsule Thread, 65mm Outlet Bonnet Thread, Design	N/A	CONCOA Regulators using Brass Barstock Body with a Forged Brass			
Brass Barstock Body with M20 Capsule Thread	Outlet Pressure: 250 psig / Observed Buest Pressure: 15000 psi (The following series are examples of this contraction: 109, 202, 203, 205, 206, 212, 213, 483,	7,7	Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design			
	485, 603, 605, 655, 6500, 6800, 9900, EXEC, EXEN, P39, P48)		Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following serie: are examples of this contraction: 6600, 6700)			
Design Inlet Pressure: 4500 psig / Observed Burst Pressure:	102, 002, 003, 023, 0300, 0300, 0300, 0310, 0310, 290,		ore examples of this completion. Gode, 674(0)			
25000 psi		1-5/8 16 Bonnet				
		TEST-18				
	N/ 6 A	CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet, M20 inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design	N/A			
		Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series	·			
		are examples of this contraction: 492, 530)				
	2-16 Bonnet					
		TESTS-27, 28				
		CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet, M20 Inlet Capsule Thread, 2-16 Outlet Bonnet Thread, Design	N/A			
		Cluttet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following series	"""			
		are examples of this contruction: 622, 623, 6200, 678, 676, 36567xX)				
		2-1/16 16 Bonnet				
		TEST-16				
		CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet. 5/8-24 Inlet Capsule Thread. 2-1/16 16 Outlet Bonnet Thread.				
TEST-6	****	Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following	N/A			
Brass Barstock Body with 5/8-24 Capsule Thread		series are examples of this contraction: 4400, 5500, 5600, 5700, 8000, 150, 152, 155,				
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:		160, 162, 166, 308)				
28000 psi	· · · · · · · · · · · · · · · · · · ·	1-5/8 16 Bonnet				
,		TEST-18				
	N. 4.5	CONCOA Regulators using Brass Barstock Body with a Brass Barstock				
	N/A	Bonnet. 5/8-24 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread.	N/A			
		Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following	·			
		series are examples of this contraction: 1400)				
TEST-10		65mm Bonnet				
Forged Brass Body with M20 Capsule Thread		· · · · · · · · · · · · · · · · · · ·	TROY OF			
Davian Jaint Processes (SEGG - 1 - 4 Of			TEST-25			
Design Inlet Pressure: 5500 psig / Observed Burst Pressure:	30F4	N/A	CONCOA Regulators using Forged Brass Barstock Body with a Forged			
26000 psi	Strome J J T T	···	Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The			
			following series are examples of this contraction: 455)			
			1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

ATTACHMENT TO

C.R.N. C.SA - OH 13/6.1C/P2012

Signed: CLUSCOL

178 Rexdate Bousevard, Foresta, ON Canada M9W 1R3

THIS IS PART OF CRN 0H5216.5R2

6/5/13

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	316L/304 Stainless Barstock Bonnet with Barstock Capsule (thread match to body)
TEST-9 316t. Stainless Barstock Body with M20 Capsule Thread Design Inlet Pressure: 6000 psig / Observed Burst Pressure: 32000 psi	TEST-19 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressore: 500 psig / Obscrued Burst Pressore: 17000 psi (The foliowing series are examples of this contraction: 321, 322, 323, 324, 327, 332, 333)	45mm Bonnet TEST-20 CONCOA Regulators using 316L Stainless Barstock Bondy with a Brass Barstock Bonnet. W20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction:415, 417, 420, 424, 425, 426, 427, 428, 429, 430, 432, 433, 445, 462, 464, 467, 480, 695, 497, 499, P1S, P2S, P5S, P6S)	TEST-21 CONCOA Regulators using 3161. Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Throad. 45mm Outlet Bonnet Throad. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: EXIG, EXIS, EXIP, EXZG, EXZS, EXBG, EXBS, EXDS, EXVS)
	65mm Bonnet		
	TEST-22 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following Series are unamples of this contraction: 484, 480, P35, P45)		TEST-23 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: EXFS, EXFG)
	1-5/8 16 Bonnet		
	, N/A	N/A	TEST-24 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 493, 547)
	2-16 Bonnet		
	N/A	N/A	TEST-32 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet, M20 Inlet Capsule Thread, 2-16 Outlet Bonnet Thread, Design Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following Series are examples of this controction: 675, 677)

Stainless Barstock Transducers

TEST-34

CONCOA Intrinsically Safe Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 32000 psi (The following parts are examples of this contruction: 8309159-22, etc.)

TEST-35

CONCOA Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 40000 psi (The following series are examples of this contraction: 8309150-23, atc.)



ATTACHAENTTO

CRNCSA-OHSULG. FERS

Seed as Landell

178 Rexdate Boulevard, Toronto, ON, Canada M/9VV 1R3

THIS IS PART OF CRN ON 5216.522

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

6/5/18 7.6.



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626

Toll Free: 1.877.682.8772 www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROL COSCO		01		
MANUFACTURERS NAME: CONTROLS CORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	V OF AME	CICA		
PLANT LOCATIONS: (SAME)	VIKGINIA B	<u> each</u>	VA 23450	USA
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G Certified capacity-rated pressure milet devices assessible			DESIGN	PRESSU
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NEW BRUNSWICK NUNAVUT NOVA SČOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURES BALLS: A		
MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C	CATEGORY ONLY	CTOV
A Pipe Stlings, including couplings, tess, elbows, Ys, plugs, unions, pipe capa B Flampes: all finges C Valves: all line valves	PROOF TEST	-17414
D Expension joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam trape E Measures districts	= 4 x Max	
Measuring divides, including pressure gauges, level gauges, sight glasses, pressure transmitters Cartified capacity-rated pressure rated devices ecceptable as primary over plotters, pressure vassels, piping and finible plugs	Design Anna	RE
Pressure retaining components that do not fell into one of the above calegor	rtes	
N Nuclear-components: Class 1 🗆 Class 2 🗆 Class 3 🗀, (Meeting AECB o		
SHOW MANUFACTURERS NAME, TRADENARK, OR LOGO AS IT WILL AP		
SEE BELOW	PURDED DE WELDES CE WROUGHT DE CAST COTHER PE	
LIST OF BUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE	MACHINED BARSTOC	Ł
AND	ACTUAL HERS TO BE REGISTERED:	
SCORE		
TEST REPORTS AND REPRESENTATIVE	SKETCHES	
DESIGN DRAWINGS		
ECLARATION:		\$0
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gnature of Declarer:		į
is 41th day of head AD 2018	USETHIS SECTION OF FLORE	
mmissioner of Ouths Notary Public: (algn)		
(Affix Official seal to the right) # 70/15 28	ENDING 2022	
This space for Regulatory This registration must be revalidated after ten (10	Authority use	7
RN: 0H5216.5 REV2	R PRESSURE	
D#: 614	PRESSURE DE DATE JUNE 33/18	
rtes:	CRN OHSAIL SAREVA	
All fillings shall be registered in the name of the Manufactum.	Dwg. as described	1
Each category shall be supported with two Statutory Declaration ms and one copy of supporting documentation.	Signed Tromas Perse	1
The declaration shall be made by the person having full authority and		
ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation	$\frac{1}{2}$	
a maximum interval of five (5) years.	Parl Parl REGULATIONS	
<u> </u>	REGULATI	1

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDRE	SS: 1501 HAPPER	C POAD WEGING OFFICE	16 02/1 mg 1
PLANT LOCATIONS: (5	AME	S ROAD, VIRGINIA BEACH	1, VA 23454 USA
CATEGORY OF F	ITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including cou		ps, unions, pipe caps, or reducers	<u> </u>
B Flanges: all flanges C Valves: all line valves			PROOF TEST
D Expansion joints, flexible (E Strainers, filters, separato)	connections, and hose assem	blies: all types	= 4 x Max
 Measuring devices, includi 	ing pressure gauges, level gai	uges, sight glasses, levels, or	
pressure transmitters		ble as primary over pressure protection on	DESIGN PRESSURE
, poliers, pressure vesseis,	piping and fusible plugs		
Pressure retaining compor	nents that do not fall into one	of the above categories	
HOW MANUFACTURERS N	IAME, TRADEMARK OR I O	J. (Meeting AECB or ASME requirements) IGO AS IT WILL APPEAR ON THE PRODUCT	
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DATE 10/22/2018

BLRs 🗍

IT FITTINGS COMPONENTS

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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROLS CORPORAT	and of our our	
INDI WHATELE DAN	DN OF HMERICA	14 734
PLANT LOCATIONS: (SAME)	D. VINGINIA GEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POLICE HOUSE
A Pipe fittings, including couplings, tess, allower, Ye. plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, flexible connections, and hose assembles: all ty	pes	= 4 x Max
E. Strainers, filtere, separators, and atsem traps F. Messuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
		DESIGN PRESSURE
G Certified capacity-rated pressure ratief devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
Pressure retaining components that do not tell into one of the above	s categories	
N Nuclear components: Class 1 Class 2 Class 3 C. Masthy	AFCE or ACME manisments	
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Signature of Declarer:		
eclared before me at Inchio Beach, VA	U\$ETHIS \$	
his 411+ day of four AD 2018		
ommissioner of Oaths	_ OFF1C	
Notary Public: (sign)		
(Affix Official seal to the right) # 7015	528 WHAT 712-2	
This space for Reg	guintory Authority use	THE PART OF THE PA
This registration must be revalidated efter	riten (10) years from the date of a	Ceptance,
CRN: OH5216.5 REV2	Newfoundland]
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ips: 014	Service NL	
	Service NL Registered 0H5216.	
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otes: All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Cardentino	Service NL Registered 0H5216.	<u>1</u> 8
otes; All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of supporting documentation.	Service NL Registered 0H5216. Date 26 JUNE 20, Engineering and Inspection Service	<u>1</u> 8
otes: All fittings shall be registered in the name of the Manufacturer. Each estegory shall be supported with two Statutory Declaration wins and one copy of supporting documentation. The declaration shall be made by the person having full authority and sponsibility for the quality of the end product.	Service NL Registered DH5216. Date 26 JUNE 20 Engineering and Inspection Service Registered by Styles	/B
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	N OF AMERICA	
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA 234	54 USA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE O	NE CATEGORY ONLY	TANDARD OF CONSTRUCTO
A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS, OF FEIGURES	
9 Finges: all finges C Valves: all line valves	PROOF	TEST
D Expension joints, flexible connections, and hose assemblies: all hoses	= 1	x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tres levels or	X PMA
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G Certified capacity-rated pressure relief devices acceptable as primary a bollers, pressure vessels, piping and fusible plugs	over preseure protection on	
Pressure retaining components that do not fall into one of the above ca	legories	
N Nuclear-components: Class 1 □ Class 2 □ Class 3 □, (Meeting AE SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WIL		
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	1 M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
CAYEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	TOTAL OF THE SYNDRED TO COMPTRUCTION
A Pipe fittings, including couplings, toss, albows, Ye, pluge, unions, pipe cape, or reducers	
B Fishpee: all fing valves C Valves: all fing valves	PROOF EST
D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
E Strainers, filters, separators, and alearn traps J.F. Messavring devices, including pressure gauges, level gauges, sight glosses, levels, or	- 7 x 1° m
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G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on botters, pressure vessels, picing and families plugs	
Pressure retaining components that do not fall into one of the above categories	
N Nuclear-components: Class 1 🗆 Class 2 🖸 Class 3 🖾, (Meeting AECB or ASNIE requirements)	
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MANUFACTURERS ADDR	ESS: IEN JOPPEN	PORATION OF AMERICA	
PLANT LOCATIONS: (SAME	S ROAD, VIRGINIA BEAC	H, VA 23454 USA
		ED. CIRCLE ONE CATEGORY ONLY	- Winds
A Pipe fittings, including co	ouplings, tees, elbours, Ys, plug	ps, unions, pipe caps, or reducers	THE RESTAUDAND OF COMMENTS
C Valves: all ane valves	connections, and hose assem		PROOF TEST
E OTHERS, Miles, Becarety	ors, and steem traps ding pressure gauges, level gas	••	= 4 x Max
G Certified capacity-rated p		ble as primary over pressure protection on	DESIGN PRESSUR
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Territorial Registration Fee



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626

Toll Free: 1.877.682.8772 www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

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NEW BRUNSWICK NUNAVUT NOVA SČOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURES BALLS: A		
MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C	CATEGORY ONLY	CTOV
A Pipe Stlings, including couplings, tess, elbows, Ys, plugs, unions, pipe capa B Flampes: all finges C Valves: all line valves	PROOF TEST	-17414
D Expension joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam trape E Measures districts	= 4 x Max	
Measuring divides, including pressure gauges, level gauges, sight glasses, pressure transmitters Cartified capacity-rated pressure rated devices ecceptable as primary over plotters, pressure vassels, piping and finible plugs	Design Anna	RE
Pressure retaining components that do not fell into one of the above calegor	rtes	
N Nuclear-components: Class 1 🗆 Class 2 🗆 Class 3 🗀, (Meeting AECB o		
SHOW MANUFACTURERS NAME, TRADENARK, OR LOGO AS IT WILL AP		
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AND	ACTUAL HERS TO BE REGISTERED:	
SCORE		
TEST REPORTS AND REPRESENTATIVE	SKETCHES	
DESIGN DRAWINGS		
ECLARATION:		\$0
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is 41th day of head AD 2018	USETHIS SECTION OF FLORE	
mmissioner of Ouths Notary Public: (algn)		
(Affix Official seal to the right) # 70/15 28	ENDING 2022	
This space for Regulatory This registration must be revalidated after ten (10	Authority use	7
RN: 0H5216.5 REV2	R PRESSURE	
D#: 614	PRESSURE DE DATE JUNE 33/18	
rtes:	CRN OHSAIL SAREVA	
All fillings shall be registered in the name of the Manufactum.	Dwg. as described	1
Each category shall be supported with two Statutory Declaration ms and one copy of supporting documentation.	Signed Tromas Perse	1
The declaration shall be made by the person having full authority and		
ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation	$\frac{1}{2}$	
a maximum interval of five (5) years.	Parl Parl REGULATIONS	
<u> </u>	REGULATI	1

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDRE	SS: 1501 HAPPER	C POAD WEGING OFFICE	16 02/1 mg 1
PLANT LOCATIONS: (5	AME	S ROAD, VIRGINIA BEACH	1, VA 23454 USA
CATEGORY OF F	ITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including cou		ps, unions, pipe caps, or reducers	<u> </u>
B Flanges: all flanges C Valves: all line valves			PROOF TEST
D Expansion joints, flexible (E Strainers, filters, separato)	connections, and hose assem	blies: all types	= 4 x Max
 Measuring devices, includi 	ing pressure gauges, level gai	uges, sight glasses, levels, or	
pressure transmitters		ble as primary over pressure protection on	DESIGN PRESSURE
, poliers, pressure vesseis,	piping and fusible plugs		
Pressure retaining compor	nents that do not fall into one	of the above categories	
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DATE 10/22/2018

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IT FITTINGS COMPONENTS

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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROLS CORPORAT	and of our our	
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PLANT LOCATIONS: (SAME)	D. VINGINIA GEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POLICE HOUSE
A Pipe fittings, including couplings, tess, alterus, ye, plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, flexible connections, and hose assembles: all ty	pes	= 4 x Max
E. Strainers, filtere, separators, and atsem traps F. Messuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
		DESIGN PRESSURE
G Certified capacity-rated pressure ratief devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
Pressure retaining components that do not tell into one of the above	s categories	
N Nuclear components: Class 1 Class 2 Class 3 C. Masthy	AFCE or ACME manisments	
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Notary Public: (sign)		
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otes; All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of supporting documentation.	Service NL Registered 0H5216. Date 26 JUNE 20, Engineering and Inspection Service	<u>1</u> 8
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	N OF AMERICA	
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA 234	54 USA
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A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS, OF FEIGURES	
9 Finges: all finges C Valves: all line valves	PROOF	TEST
D Expension joints, flexible connections, and hose assemblies: all hoses	= 1	x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tres levels or	X PMA
Division transmissis	Deen	N PRESSURE
G Certified capacity-rated pressure relief devices acceptable as primary a bollers, pressure vessels, piping and fusible plugs	over preseure protection on	
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

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MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	1 M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
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D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
E Strainers, filters, separators, and alearn traps J.F. Messavring devices, including pressure gauges, level gauges, sight glosses, levels, or	- 7 x 1° m
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SHOW MANUFACTURERS NAME, TRADEMARK, OR LOCO AS IT WILL APPEAR ON THE PRODUC	
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PLANT LOCATIONS: (SAME	S ROAD, VIRGINIA BEAC	H, VA 23454 USA
		ED. CIRCLE ONE CATEGORY ONLY	- Winds
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C Valves: all ane valves	connections, and hose assem		PROOF TEST
E OTHERS, Miles, Becarety	ors, and steem traps ding pressure gauges, level gas	••	= 4 x Max
G Certified capacity-rated p		ble as primary over pressure protection on	DESIGN PRESSUR
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Territorial Registration Fee



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

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NEW BRUNSWICK NUNAVUT NOVA SČOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURES BALLS: A		
MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C	CATEGORY ONLY	CTOV
A Pipe Stlings, including couplings, tess, elbows, Ys, plugs, unions, pipe capa B Flampes: all finges C Valves: all line valves	PROOF TEST	-17414
D Expension joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam trape E Measures districts	= 4 x Max	
Measuring divides, including pressure gauges, level gauges, sight glasses, pressure transmitters Cartified capacity-rated pressure rated devices ecceptable as primary over plotters, pressure vassels, piping and finible plugs	Design Anna	RE
Pressure retaining components that do not fell into one of the above calegor	rtes	
N Nuclear-components: Class 1 🗆 Class 2 🗆 Class 3 🗀, (Meeting AECB o		
SHOW MANUFACTURERS NAME, TRADENARK, OR LOGO AS IT WILL AP		
SEE BELOW	PURDED DE WELDES CE WROUGHT DE CAST COTHER PE	
LIST OF BUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE	MACHINED BARSTOC	Ł
AND	ACTUAL HERS TO BE REGISTERED:	
SCORE		
TEST REPORTS AND REPRESENTATIVE	SKETCHES	
DESIGN DRAWINGS		
ECLARATION:		\$0
JOHN FRIEDRICHS process a employed by COVCOR repossibility for the quality of the end product do solemnly declare that it is when the process of the product for which registration is accordance with the anufacture of these fittings is regulated by a Quality Control Program with part and has been verified by INTERICK scalarston conscientiously believing it to be true, and knowing that it is a coloration conscientiously believing it to be true, and knowing that it is a	the dimensions, materials of construction, pressure the dimensions, materials of construction, pressure the herein named standards. I further declars that the	t of
gnature of Declarer:		į
is 41th day of head AD 2018	USETHIS SECTION OF FLORE	
mmissioner of Ouths Notary Public: (algn)		
(Affix Official seal to the right) # 70/15 28	ENDING 2022	
This space for Regulatory This registration must be revalidated after ten (10	Authority use	7
RN: 0H5216.5 REV2	R PRESSURE	
D#: 614	PRESSURE DE DATE JUNE 33/18	
rtes:	CRN OHSAIL SAREVA	
All fillings shall be registered in the name of the Manufactum.	Dwg. as described	1
Each category shall be supported with two Statutory Declaration ms and one copy of supporting documentation.	Signed Tromas Perse	1
The declaration shall be made by the person having full authority and		
ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation	$\frac{1}{2}$	
a maximum interval of five (5) years.	Parl Parl REGULATIONS	
<u> </u>	REGULATI	1

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDRE	SS: 1501 HAPPER	C POAD WEGING OFFICE	16 02/1 mg 1
PLANT LOCATIONS: (5	AME	S ROAD, VIRGINIA BEACH	1, VA 23454 USA
CATEGORY OF F	ITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including cou		ps, unions, pipe caps, or reducers	<u> </u>
B Flanges: all flanges C Valves: all line valves			PROOF TEST
D Expansion joints, flexible (E Strainers, filters, separato)	connections, and hose assem	blies: all types	= 4 x Max
 Measuring devices, includi 	ing pressure gauges, level gai	uges, sight glasses, levels, or	
pressure transmitters		ble as primary over pressure protection on	DESIGN PRESSURE
, poliers, pressure vesseis,	piping and fusible plugs		
Pressure retaining compor	nents that do not fall into one	of the above categories	
HOW MANUFACTURERS N	LAME, TRADEMARK OR LO	J. (Meeting AECB or ASME requirements) IGO AS IT WILL APPEAR ON THE PRODUCT	
	THE PERSON OF LO	A DE H WILL AFFEAR ON THE PRODUCT	FORGED OF WELDER CO. HEROLOGY CO.
SEE BELOW			CAST DOTHER DESCRIBE OTHER
DEE DECOM			
			MACHINED BARSTOCK
ST OF SUPPORTING DOC	UMENTATION AND IDENTIF	FICATION OF THE ACTUAL ITEMS TO BE RE	GISTERED:
S CORE			Total Control of the
	A ID Ocmeria	eden and the second	
EST REPORTS	AND KEHEES	ENTATIVE SKETCHES	TO ALL
>= </td <td></td> <td></td> <td></td>			
DESIGN DRAN	lings		
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CLARATION:			
AALIBIDIUM TAI UNG AMBINTA F	a uro omu bibulla uli bomi	and bei	ng the person having full authority and
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ponsibility for the quality of knowledge represents the perature ratings, and identification conscientiously be part and has been verification conscientiously be part and has been verification conscientiously be part and has been verification conscientiously be part and before me at day of day before the public; (sign) This N: 0H5216.5 RE #: 614	in the name of the Manufactoried with two Statutory Declared with two Statutory Declared by the person having full au	ation is sought. The dimensions, materials accordance with the herein named standa control Program which extends to each place as being suitable for the knowing that it is of the same force and effect of the same force	ng the person having full authority and d in this form is true and to the best of s of construction, pressure rds. I further declare that the ant where fabrication occurs in whole at purpose and I make it solemn ect as if made underly. S P C I S AFETY E VESSEL ACT

DATE 10/22/2018

BLRs 🗍

IT FITTINGS COMPONENTS

PVs

NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROLS CORPORAT	and of our our	
INDI WHATELE DAN	DN OF HMERICA	14 734
PLANT LOCATIONS: (SAME)	D. VINGINIA GEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POLICE HOUSE
A Pipe fittings, including couplings, tess, alterus, ye, plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, flexible connections, and hose assembles: all ty	pes	= 4 x Max
E. Strainers, filtere, separators, and atsem traps F. Messuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
		DESIGN PRESSURE
G Certified capacity-rated pressure ratief devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
Pressure retaining components that do not tell into one of the above	s categories	
N Nuclear components: Class 1 Class 2 Class 3 C. Masthy	AFCE or ACME manisments	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT	MILL APPEAR ON THE PRODUCT	X23402 description on
		PORGED IX WELDED D WROUGHT D CART D OTHER S DESCRESS OTHER
SEE BELOW		DESCRIBE OTHER:
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Notary Public: (sign)		
(Affix Official seal to the right) # 7015	528 WYMAY 742-2	
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otes; All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of supporting documentation.	Service NL Registered 0H5216. Date 26 JUNE 20, Engineering and Inspection Service	<u>1</u> 8
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	N OF AMERICA	
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA 234	54 USA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE O	NE CATEGORY ONLY	TANDARD OF CONSTRUCTO
A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS, OF FEIGURES	
9 Finges: all finges C Valves: all line valves	PROOF	TEST
D Expension joints, flexible connections, and hose assemblies: all hoses	= 1	x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tres levels or	X PMA
Division transmissis	Deen	N PRESSURE
G Certified capacity-rated pressure relief devices acceptable as primary a bollers, pressure vessels, piping and fusible plugs	over preseure protection on	
Pressure retaining components that do not fall into one of the above ca	legories	
N Nuclear-components: Class 1 □ Class 2 □ Class 3 □, (Meeting AE SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WIL		
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	1 M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
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A Pipe fittings, including couplings, toss, albows, Ye, pluge, unions, pipe cape, or reducers	
B Fishpee: all fing valves C Valves: all fing valves	PROOF EST
D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
E Strainers, filters, separators, and alearn traps J.F. Messavring devices, including pressure gauges, level gauges, sight glosses, levels, or	- 7 x 1° m
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G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on botters, pressure vessels, picing and families plugs	
Pressure retaining components that do not fall into one of the above categories	
N Nuclear-components: Class 1 🗆 Class 2 🖸 Class 3 🖾, (Meeting AECB or ASNIE requirements)	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOCO AS IT WILL APPEAR ON THE PRODUC	
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MANUFACTURERS NAME	CONTROL C	PORATION OF AMERICA	
MANUFACTURERS ADDR	ESS: IEN JOPPEN	PORATION OF AMERICA	
PLANT LOCATIONS: (SAME	S ROAD, VIRGINIA BEAC	H, VA 23454 USA
		ED. CIRCLE ONE CATEGORY ONLY	- Winds
A Pipe fittings, including co	ouplings, tees, elbours, Ys, plug	ps, unions, pipe caps, or reducers	THE RESTAUDAND OF COMMENTS
C Valves: all ane valves	connections, and hose assem		PROOF TEST
E OTHERS, Miles, Becarety	ors, and steem traps ding pressure gauges, level gas	••	= 4 x Max
G Certified capacity-rated p		ble as primary over pressure protection on	DESIGN PRESSUR
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Territorial Registration Fee



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626

Toll Free: 1.877.682.8772 www.tssa.org

July 20, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National AB

Service Request No.: 2324664

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from AB, registered under the CRN No.: 0H05216.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org



9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

July 03, 2018

Attention: Joanna Karpinski

Email: JKarpinski@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, tracking number 2018-03870, originally received on June 15, 2018 was surveyed and accepted for registration as follows:

CRN:

0H05216.52

Accepted on: July 03, 2018

Reg Type:

ADDITION TO ACC. FITTING

Expiry Date: June 05, 2028

Drawing No.: SCOPE FOR FITTINGS TYPE H-REV 1

Fitting type: PIPING FITTINGS

Design registered in the name of: CONTROLS CORPORATION OF AMERICA

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

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

- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

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

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3343 or fax (780) 437-7787 or e-mail tang@absa.ca.

Sincerely,

TANG, TAO, P. Eng.

DOP Cert. No. D00008848

Cas long





STATUTORY DECLARATION Registration of Fittings

			A Property of the Parket of th	n this s		nile of mark
l, _	John Friedrichs	, Supervisor of Design Engineering	-/			
	(name of applicant)	(position title) (must be in a position		KΑ	GUNU	ONTROLS
of _	Controls Corporation of America	me of manufacturer)	GAS CU	MIHULS	MANYONE	A COW
loca	ated at 1501 Harpers Road, Virginia Be	•			DECREASE	
	**************************************	(plant address)	***************************************	Panel Marie .	***************************************	
	solemnly declare that the fittings list eck one)	ted hereunder, which are subject to	the Safety	/ Codes Ac	it .	
	comply with the requirements o	f	which	specifies t	he dimensi	ons,
		(title of recognized North American Stand	lard)			
	materials of construction, press	sure/temperature ratings and ident	ification ma	arking of the	e fittings, or	•
X	are not covered by the provision	ns of a recognized North American	standard a	and are the	refore man	ufactured
	to comply with 4x max pressure b	urst test		as supporte	ed by the at	ttached
	(title of code	of construction or other applicable docume	ent)			
	data which identifies the dimens	sions, materials of construction, pr	essure/tem	perature ra	itings and t	he basis
	for such ratings, and the marking	ng of the fittings for identification.				
l fui	ther declare that the manufacture of	of these fittings is controlled by a q	uality contr	ol program	which has	been
veri	fied by the following authority,	Intertek Services Corporation as	being suita	ble for the	manufactur	e of these
fittir	ngs to the stated standard. The fitti	ngs covered by this declaration, fo	r which I se	ek registra	ition, are	
ıc	O 9001 (CATEGORY H)					
	O 3001 (CATEGORT II)	(brief description of fittings)		 		
in s	upport of this application, the follow	•	or test data	are attache	ed:	
96	COPE, TEST REPORTS AND REPRESENT	FATIVE SKETCHES & DESIGN DDAMINI	3			
- 50	OFE, TEST REPORTS AND REFRESENT	ATIVE SKETCHES, & DESIGN DRAWING	3			
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	the best of my knowledge and belic ndard B51, Clause 4,2, and is acce		ements of t	he Safety (Codes Act a	and CSA
Re	gistration Number: 0 H 2 0 4	18.57.7.	(Signature	of the Adminis	7 (MZ/ strator/SCD)	
Dat	re Registered:	Expiry Da	te: July	ot.	2078) s
	information you provide is necessary only for the sure Equipment Discipline.		y the Alberta S	afety Codes A	ct and Regulation	ons in the

SCOPE FOR FITTINGS TYPE H - REV 1

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to	Brass Barstock Bonnet with Barstock Capsule (thread match to	Forged Brass Bonnet with Barstock Capsule (thread match to	
	body)	body) 45mm Bonnet	body)	
	TEST-11 CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi (The following series are examples of this contruction: 301, 302, 303, 304, 305, 306, 307, 311, 312, 313, 315, 325, 56H, 601, 3070, 4500, 4500, 5200, 56A)	TEST-12 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi [The following series are examples of this contruction: 401, 402, 403, 404, 405, 411, 412, 414, 416, 423, 435, 438, 460, 463, 465, 470, 491, 495, 498, 619, EXIC, EXZC, EXDC, PIB, P2B, P5B, P6C)	n/A	
		65mm Bonnet		
TEST-1 Brass Barstock Body with M20 Capsule Thread Design Inlet Pressure: 4500 psig / Observed Burst Pressure:	TEST-14 CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. 6esign Outlet Pressure: 250 psig / Observed Burst Pressure: 15000 psi (The following series are examples of this contruction: 109, 202, 203, 205, 206, 212, 213, 483, 485, 603, 605, 655, 6500, 6800, 9900, EXFC, EXFN, P3B, P4B)	N/A	TEST-15 CONCOA Regulators using Brass Barstock Body with a Forged Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following serie. are examples of this contruction: 6600, 6700)	
25000 psi		1-5/8 16 Bonnet		
	N/A	TEST-18 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 1.5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 492, 530)	N/A	
		2-16 Bonnet		
	N/A	TESTS-27, 28 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 2-16 Outlet Bonnet Thread. Design Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi {The following series are examples of this contruction: 622, 623, 6200, 678, 676, 80567XX}		
		2-1/16 16 Bonnet		
TEST-6 Brass Barstock Body with S/8-24 Growle Thread	N/A	TEST-16 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. 5/8-24 Infet Capsule Thread. 2-1/16 16 Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 4400, 5500, 5500, 5700, 8000, 150, 152, 155, 160, 162, 165, 308)	N/A	
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:	0 0 0	1-5/8 16 Bonnet		
Entropy (page 1)	ES ACT - PROVINCE OF ALBERTA	TEST-18 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. 5/8-24 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 1400)	N/A	
Company Com	TRATION OF FITTINGS	65mm Bonnet		
TEST-10 Forged Brass Body with M20 capsule Thread Design Inlet Pressure: 5500 psig / Observed Burst Pressure: 26000 psi	OH20418.52	H05216NA 52	TEST-25 CONCOA Regulators using Forged Brass Barstock Body with a Forged Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 455)	
TYPE OF FITTING JUL 0 3 20 Date		se for Fittings Type H-Rev I	•	

SCOPE FOR FITTINGS TYPE H - REV 1

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	316L/304 Stainless Barstock Bonnet with Barstock Capsule {thread match to body}					
		45mm Bonnet						
	TEST-19 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure. 500 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 321, 322, 323, 324, 327, 332, 333)	TEST-20 CONCOA Regulators using 316L Stainless Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: 415, 417, 420, 424, 425, 426, 427, 428, 429, 430, 432, 433, 445, 462, 464, 467, 480, 495, 497, 499, , P1S, P2S, P5S, P6S)	TEST-21 CONCOA Regulators using 315L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: EXIG, EXIS, EXIP, EXZG, EXZS, EXBG, EXBS, EXDS, EXVS)					
		65mm Bonnet						
TEST-9 316L Stainless Barstock Body with M20 Capsule Thread Design Inlet Pressure: 6000 psig / Observed Burst Pressure:	TEST-22 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 484, 486, 935, P45)	N/A	TEST-23 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 1700 psi (The following series are examples of this contruction: EXFS, EXFG)					
32000 psi	1-5/8 16 Bonnet							
,	N/A	N/A	TEST-24 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this Contruction: 493, 547)					
	2-16 Bonnet							
	· N/A	N/A	TEST-32 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Indet Capsule Thread. 2-16 Outlet Bonnet Thread. Design Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: 675, 677)					

Stainless	Barstock	Transducer
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TEST-34

CONCOA Intrinsically Safe Transducers. Design Pressure. 6000 psig / Observed

Burst Pressure: 32000 psi [The following parts are examples of this contruction:

8309150-22, etc.]

TEST-35

CONCOA Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 40000 psi (The following series are examples of this contruction: 8309150-23, etc.)

OH20418-52

OHO5216·52



345 Carlingview Drive Toronto, Ontario M9W 5N9 Tel: 416 734 3300 Fax 416 231 1626 Toll Free 1.877 682 8772

www.tssa.org

June 05, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type: BPV-Fitting Registration

Service Request No.: 2285236

Your Reference No.:

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 No.:

0H5216.5R2

Main Design No.: SEE SCOPE -FITTINGS TYPE H-REV 1

Expiry Date:

05-Jun-2028

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

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, 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,

Lacuse Zine

Zivko Gacevic P. Eng. Mechanical Engineer, BPV

Tel.: 416-734-3429 Fax: 416-231-6183

Email: zgacevic@tssa.org



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



STATUTORY DECLA Registration of Fitting	· · · · · · · · · · · · · · · · · · ·	
I. MICHAEL SIMS, MECHANICAL DESIGN ENGINEER		
(Name and Position, e.g. President, Plant Manager, Chie	ef Engineer)	
of CONCOA		
(Name of Manufacturer)		
Located at1501 HARPERS ROAD, VIRGINIA BEACH, VA 23454	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	is and Safety Act, Bollers
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratio	ngs, identification markir	ng the fittings and service;
or are not covered by the provisions of a recognized North American standard ProofPressure=4xMaxDesignPress as supported by the attached data which pressure/temperature ratings and the basis for such ratings, the marking of the	nidentifies the dimension	ons, material of construction.
I further declare that the manufacture of these fittings is controlled by a quality system which has been verified by the following authority, Intertek Services The items covered by this declaration, for which I seek registration, are category H this application, the following information and/or test data are attached as follows:	Corporation	ents of ISO 9001 type fittings. In support of
SCOPE, TEST REPORTS AND REPRESENTATIVE SKETCHES, & DESIGN DE (drawings, calculations, test reports, etc.)	RAWING	
Declared before me at <u>Virginia Beach</u> in the <u>Star</u> the <u>Aint</u> day of <u>Louil</u> AD 2018 Commissioner for Oaths: <u>Higher Trans</u> (Printed name)	te Michaelx	or Vinginia
(Signature) * 7015528 EX! 31 MAY 2012	(Signature of E	
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	: scrozros : ac Safety Authority	95., ac us. Pressure Vessels Safety Prog esm
CRN: OH 5216, 5 R 2		isterad –
Registered by: Zruko Graere Dated: Jul. 5, 2018		5216.5R2 000000000000000000000000000000000000
	318118 12 000 00 00 00 00 00 00 00 00 00 00 00 0	eropologia esta esta esta esta esta esta esta est
NOTE: This registration expires on: 344. 5, 2028	Service of the state of the service	g K. G. Der (1964) (E. G. T. G. G. G. E. G.

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

PV 09553 (04/17)

SCOPE FOR FITTINGS TYPE H - REV 1

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to	Brass Barstock Bonnet with Barstock Capsule (thread match to	Forged Brass Bonnet with Barstock Capsule (thread match to				
	body)	body)	body)				
		45mm Bonnet					
	TEST-11 CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast Bonnet. M20 Indet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 15000 psi (The following series are examples of this contruction: 301, 302, 303, 304, 305, 306, 307, 311, 312, 313, 315, 325, 56H, 601, 3070, 4500, 4800, 5200, 56A)	TEST-12 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 5000 psi (The following series are examples of this contruction: 401, 402, 403, 404, 405, 411, 412, 414, 416, 423, 435, 438, 460, 463, 465, 470, 491, 496, 638, 639, EXIC, EX2C, EXDC, P1B, P2B, P5B, 666.	N/A				
	65mm Bonnet						
TEST-1 Brass Barstock Body with M20 Capsule Thread Design Inlet Pressure: 4500 psig / Observed Burst Pressure:	TEST-14 CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure. 250 psig / Observed Burst Pressure. 15000 psi (The following series are examples of this contruction: 109, 202, 203, 205, 206, 212, 213, 483, 485, 503, 605, 655, 6500, 6800, 9900, EXFC, EXFN, P3B, P4B)	CONCOA Regulators using Brass Barstock Body with a Zinc Die Cast onnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 15000 psi (The following teries are examples of this contruction: 109, 202, 203, 205, 206, 212, 213, 483,					
25000 psi		1-5/8 16 Bonnet					
	N/A	TEST-18 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 492, 530)					
	2-16 Bonnet						
	N/A	TESTS-27, 28 CONCOA Regulators using Brass Barstock Body with a Brass Barstock N/A Bonnet. M20 Inlet Capsule Thread. 2-16 Outlet Bonnet Thread. Design Outlet Pressure: 3000 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: 622, 623, 6200, 678, 676, 80567XX)					
- 		2-1/16 16 Bonnet					
TEST-6 Brass Barstock Body with 5/8-24 Capsule Thread	N/A	TEST-16 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. 5/8-24 Inlet Capsule Thread. 2-1/16 16 Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 4400, 5500, 5600, 5700, 8000, 150, 152, 155, 160, 162, 165, 308)	N/A				
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:							
28000 psi	N/A	TEST-18 CONCOA Regulators using Brass Barstock Body with a Brass Barstock Bonnet. 5/8-24 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 1400)	N/A				
		65mm Bonnet					
TEST-10 Forged Brass Body with M20 Capsule Thread Design Inlet Pressure: 5500 psig / Observed Burst Pressure: 26000 psi	N/A	N/A	TEST-25 CONCOA Regulators using Forged Brass Barstock Body with a Forged Brass Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 455)				

THIS IS PART OF CRN 0H5216.5R2
Technical Standards & Safety Authority Boilers & Pressure Vessels

Safety Program

6/5/13

SCOPE FOR FITTINGS TYPE H - REV 1

(Temperature Range: -40°F to 140°F)

	Zinc Die Cast Bonnet with Barstock Capsule (thread match to body)	Brass Barstock Bonnet with Barstock Capsule (thread match to body)	316L/304 Stainless Barstock Bonnet with Barstock Capsule (thread match to body)			
F***		45mm Bonnet				
:	TEST-19 CONCOA Regulators using 3161 Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 17000 psi {The following series are examples of this contruction: 321, 322, 323, 324, 327, 332, 333)	TEST-20 CONCOA Regulators using 316L Stainless Barstock Body with a Brass Barstock Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig/ Observed Burst Pressure: 18000 psi (The following series are examples of this Contraction: 415, 417, 420, 424, 425, 426, 427, 428, 429, 430, 432, 433, 445, 462, 464, 467, 480, 495, 497, 499, , PIS, P2S, P5S, P6S)	TEST-21 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 45mm Outlet Bonnet Thread. Design Outlet Pressure: 500 psig / Observed Burst Pressure: 18000 psi (The following series are examples of this contruction: EXIG, EXIS, EXIS, EXES, EXES			
		65mm Bonnet				
TEST-9 316L Stainless Barstock Body with M20 Capsule Thread	TEST-22 CONCOA Regulators using 316L Stainless Barstock Body with a Zinc Die Cast Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: 484, 486, P35, P45)	N/A	TEST-23 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 65mm Outlet Bonnet Thread. Design Outlet Pressure: 250 psig / Observed Burst Pressure: 17000 psi (The following series are examples of this contruction: EXFS, EXFG)			
Design Inlet Pressure: 6000 psig / Observed Burst Pressure:	1-5/8 16 Bonnet					
32000 psi	N/A	N/A	TEST-24 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 1-5/8 16 Outlet Bonnet Thread. Design Outlet Pressure: 6000 psig / Observed Burst Pressure: 29000 psi (The following series are examples of this contruction: 493, 547)			
	2-16 Bonnet					
	N/A	N/A	TEST-32 CONCOA Regulators using 316L Stainless Barstock Body with a Stainless Bonnet. M20 Inlet Capsule Thread. 2-16 Outlet Bonnet Thread. Design Outlet Pressure. 3000 pist (The following series are examples of this contruction: 675, 677)			

Stainless Barstock Transducers

TEST-34

CONCOA Intrinsically Safe Transducers. Design Pressure: 6000 psig / Observed

Burst Pressure: 32000 psi {The following parts are examples of this contruction:

8309150-22, etc.}

TEST-35

CONCOA Transducers. Design Pressure: 6000 psig / Observed Burst Pressure: 40000 psi (The following series are examples of this contruction: 8309150-23, etc.)

THIS IS PART OF CRN ON 5216.522

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

615/18 7.6.

BURST TEST RESULTS SUMMARY - REV 1

_[Test No	Test Description	Geometry Drawing	Sketch	Body	Bonnet	Seat Nozzie	Other Material	Max Rated Pressure (PSF)	Burst Pressure (PSI)	Inlet or Outlet	Safety Factor	Temperature Rating
	1	Brass Barstock Body with M20 Capsule Thread Inlet Prossure Test	3	1	UNS C36000 - Brass Barstock per ASTM 8-16	n/a	UNS C36000 - Brass Barstock per ASTM B-16	n/a	4500	25000	Inlet	5.56	-40°F to 140°F
	6	Brass Barstock Body with 5/8-24 Capsule Thread Inlet Pressure Test	1	7	UNS C36000 - Brass Barstock per ASTM B-16	n/a	UNS C36000 - Brass Barstock per ASTM B-16	n/a	6000	28000	tniet	4.67	-40°F to 140°F
	9	Stainless Barstock Body with M20 Capsule Thread inlet Prossure Test	3	19	UNS \$31603 - 316L Stainless Barstock per ASTM A276	UNS 530300 - 303 Stainless Barstock per ASTM A-582	UNS S31603 - 316L Stainless Barstock per ASTM A276	n/a	6000	32000	Inlet	\$.33	-40°F to 140°F
	10	Brass Forged Body with M20 Capsule Thread Inlet Pressure Test	2	6	UN5 C37700 - Forged Brass Barstock per ASTM 3-124	n/a	UNS C36000 - Brass Barstock per ASTM B-16	n/a	5500	26000	inlet	4.73	-40°F to 140°F
11	11	Brass Barstock Body with 45mm Zinc Die Cast Bonnet Outlet Pressure Test	5	1	UNS C36000 - Brass Barstock per AS1M B-16	UNS 233520 - Zinc Die Cast per ASTM B-86	n/a	n/a	500	15000	Outlet	30	-40°F to 140°F
-	12	Brass Barstock Body with 45mm Brass Barstock Bonnet Outlet Pressure Test	7	2	UNS C36000 - Brass Barstock per ASYM 8-16	UNS C36000 - Brass Barstock per ASTM B-16	n/a	n/a	500	15000	Outlet	30	-40°F to 140°F
11	14	Brass Barstock Body with 65mm Zinc Die Cast Bonnet Outlet Pressure Test	4	4	UNS C36000 - Brass Barstock per ASTM B-16	UNS 233520 - Zinc Die Cast per ASTM B-86	n/a	n/a	250	15000	Outlet	60	-40°F to 140°F
	15	Bress Barstock Body with 65mm Bress Forged Bonnet Outlet Pressure Test	6	s	UNS C36000 - Brass Barstock per ASTM B-16	UNS C37700 - Forged Brass Barstock per ASTM 8-124	n/a	n/a	250	17000	Outlet	68	40°F to 140°F
	16	Bross Barstock Body with 2-1/16 16 Brass Barstock Bonnet Outlet Pressure Test	10	7	UNS C36000 - Brass Barstock per ASTM B-16	UNS C36000 - Brass Barstock per ASTM B-16	n/a	n/a	250	17000	Outlet	68	40°F to 140°F
	18	Brass Barstock Body with 1-5/8 16 Brass Barstock Bonnet Outlet Pressure Test	8	9	UNS C36000 - Brass Barstock per ASTM B-16	UNS C36000 - Brass Barstock per ASTM 8-16	n/a	n/a	6000	29000	Outlet	4.83	-40°F to 140°F
	19	Stainless Barstock Body with 45mm Zinc Die Cast Bonnet Outlet Pressure Test	5	10	UNS S31603 - 3160 Stainless Barstock per ASTM A276	UNS 233570 - Zinc Die Castiper ASTM 8-86	n/a	n/a	500	17000	Guttet	34	-40"F to 146"F
٦	20	Stainless Barstock Body with 45mm Brass Barstock Bonnet Outlet Pressure Test	, .	11	UNS 531603 - 316L Stainless Barstock per ASTM A276	UNS C36000 - Brass Barstock per ASTM B-16	a∕a	n/a	500	18000	Quitlet	36	-40°F to 140°F
	21	Stainless Barstock Body with 45mm Stainless Barstock Bonnet Outlet Pressure Yest	,	12	UNS \$31603 - 3160 Stainless Barstock per ASTM A276	UNS \$31603 - 316L Stainless Barstock per ASTM A276	n/a	n/a	500	18000	Quidet	36	-40°F to 140°F
	22	Stainless Barstock Body with 65mm Zinc Die Cast Bonnet Outlet Pressure Test	4	13	UNS \$31603 - 3161 Stainless Barstock per ASTM A276	UNS 233520 - Zinc Die Cast per ASTM 8-86	n/a	n/a	250	17600	Outlet	68	-40°F to 146°F
	23	Stainless Barstock Body with 65mm Stainless Barstock Bonnet Outlet Pressure Test	11	16	UNS 531603 - 3161 Stainless Barstock per ASTM A276	UNS 531603 - 3161. Stainless Barstock per ASTM A276	n/a	n/a	250	17000	Quitet	68	-40°F to 140°F
\prod	24	Stainless Barstock Body with 1-5/8 16 Stainless Barstock Bonnet Outlet Pressure Test	8	14	UNS 581603 - 3161 Stainless Barstock per ASTM A276	UNS 531603 - 316L Stainless Barstock per ASTM A276	n/a	n/a	6990	29000	Outlet	4.83	-40°F to 14 0 °F
	25	Brass Forged Body with 65mm Brass Forged Bonnet Outlet Pressure Test	6	6	UNS C37700 - Forged Brass Barstock per ASTM 8-124	UNS C37700 - Forged Brass Barstock per ASTM B-124	n/a	n/a	250	17000	Outlet	68	-40°F to 240°F
	27	Brass Barstock Body with 2-16 Brass Barstock Bennet Outlet Pressure Test	9	15	UNS C36000 - Brass Barstock per ASTM 8-16	UNS C36000 - Brass Barstock per ASTM B-26	n/a	u/a	3000	18000	Qutlet	6	-40°F to 140°F
N	28	Brass Barstock Body with 2-16 Brass Barstock Bonnet Dome Pressure Test	9	15	UNS C36000 - Brass Barstock per ASTM B-16	UN5 C36000 - Brass Barstock per ASTM B-16	n/a	n/a	3000	18000	Dome	6	-40°F to 140°F
	32	Stainless Barstock Body with 2-16 Stainless Barstock Bonnet Outlet Pressure Test	9	17	UNS 531603 - 3161 Stainless Barstock per ASTM A276	LINS \$31603 - 316L Stainless Barstock per ASTM A276	r/a	n/a	3000	18000	Gutlet	6	-40°F to 140°F
F	33	Protocol Station Cross 1/4" NPT	n/a	18	n/a	ti/a	n/a	UNS C36000 - Brass Barstock per ASTM 8-16	5500	26000	infet/Outlet	4.72	-40°F to 140°F
7	34 35	Intrinsically Safe Transducer Transducer	n/a	19	n/a	n/a	-/a	UNS \$17400 - 17-4 Stainless Steel per ASTM A-693	6000	32000	Inlet	5.33	-40°F to 140°F
7	36	Tee	n/a 1/2	21	N/a	n/a n/a	7/8	UNS \$17400 - 17-4 Stainless Steel per ASTM A 693	6000	400D0	trilet	6.67	40°F to 140°F
H	37	Feeumatic Shutdown Valve	n/a	22	n/a UNS 531603 - 316L Stainless Barstock per ASTM A276	UNS \$30300 - 303 Stainless Barstock per ASTM A-582	n/a	UNS C35000 - Brass Barstock per ASTM B-16	3000	15000	rnlet	5	40 F to 140 F
- 1	38	Pneumatic Shutdown Valve	n/a n/a		UNS \$31603 - 316L Stainless Barstock per ASTM A276 UNS \$31603 - 316L Stainless Barstock per ASTM A276		n/a	UNS A96061 - 6061 Aluminum per AS1M B 211	3500	21,000	Injet/Outlet	- 6	-40°F to 140°F
- 1	39			72		UN5 \$30300 - 303 Stainless Barstock per ASTM A 582	n/a	UNS A96061 - 6067 Aluminum per ASTM 8 211	125	900	Prieumatic Input	7.2	40'F to 140'F
-	40	Diaphragm Valve	n/a	23	UNS C36000 - Brass Banstock per ASTM B-16	UNS C36000 - Brass Barstock per ASTM B-26	n/a	n/a	3500	21000	Infet/Outlet	- 6	40°F to 140°F
<u>.</u>		Biaphragm Valve	0/4	24	UNS C36000 - Brass Barstock per ASTM B-16	UNS C36000 - Brass Barstock per ASTM B-26	n/a	n/a	3500	23000	triet/Outlet	6.57	-40°F to 240°F
- ⊦	41	Bulkhead Reducer	0/3	25	n/a	n/a	r/ə	UNS C36000 - Brass Barstock per ASTM B-16	4500	25000	inlet/Outlet	5.56	-40°F to 140°F
L	42	Tee	n/a	26	n/a	n/a	r/a	UNS C36000 - Brass Barstock per ASTM B-16	3000	21000	inlet/Outlet	7	40°f to 140°f
- ⊦		Tee	n/a	27	n/a	n/a	n/a	UNS \$31603 - 316L Stainless Barstock per ASTM A276	3000	20000	inlet/Outlet	6.67	-40°F to 140°F
- 1	44	Protocol Station Cross 1/4" NPT	0/4	28	n/a	n/a	n/a	UNS 531603 - 316L Stainless Barstock per ASTM A276	6000	32000	triet/Outlet	5.33	40°F to

THIS IS PART OF CRN 045216.5 RZ

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

Z. C. 6/5/18



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEW BRUNSWICK NUNAVUT NOVA SČOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURES BALLS: A		
MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C	CATEGORY ONLY	CTOV
A Pipe Stlings, including couplings, tess, elbows, Ys, plugs, unions, pipe capa B Flampes: all finges C Valves: all line valves	PROOF TEST	-17414
D Expension joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam trape E Measures districts	= 4 x Max	
Measuring divides, including pressure gauges, level gauges, sight glasses, pressure transmitters Cartified capacity-rated pressure rated devices ecceptable as primary over plotters, pressure vassels, piping and finible plugs	Design Anna	RE
Pressure retaining components that do not fall into one of the above calegor	rtes	
N Nuclear-components: Class 1 🗆 Class 2 🗆 Class 3 🗀, (Meeting AECB o		
SHOW MANUFACTURERS NAME, TRADENARK, OR LOGO AS IT WILL AP		
SEE BELOW	PURDED DE WELDES CE WROUGHT DE CAST COTHER PE	
LIST OF BUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE	MACHINED BARSTOC	Ł
AND	ACTUAL HERS TO BE REGISTERED:	
SCORE		
TEST REPORTS AND REPRESENTATIVE	SKETCHES A	
DESIGN DRAWINGS		
ECLARATION:		\$0
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is 41th day of head AD 2018	USETHIS SECTION OF FLORE	
mmissioner of Ouths Notary Public: (algn)		
(Affix Official seal to the right) # 7015 28	ENDING 2022	
This space for Regulatory This registration must be revalidated after ten (10	Authority use	7
RN: 0H5216.5 REV2	R PRESSURE	
D#: 614	PRESSURE DE DATE JUNE 33/18	
rtes:	CRN OHSAIL SAREVA	
All fillings shall be registered in the name of the Manufactum.	Dwg. as described	1
Each category shall be supported with two Statutory Declaration ms and one copy of supporting documentation.	Signed Tromas Perse	1
The declaration shall be made by the person having full authority and		
ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation	$\frac{1}{2}$	
a maximum interval of five (5) years.	Parl Parl REGULATIONS	
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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDRE	SS: 1501 HAPPER	C POAD WEGINE OF AN	16 02/1 mg 1
PLANT LOCATIONS: (5	AME	S ROAD, VIRGINIA BEACH	1, VA 23454 USA
CATEGORY OF F	ITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including cou		ps, unions, pipe caps, or reducers	<u> </u>
B Flanges: all flanges C Valves: all line valves			PROOF TEST
D Expansion joints, flexible (E Strainers, filters, separato)	connections, and hose assem	blies: all types	= 4 x Max
 Measuring devices, includi 	ing pressure gauges, level gai	uges, sight glasses, levels, or	
pressure transmitters		ble as primary over pressure protection on	DESIGN PRESSURE
, poliers, pressure vesseis,	piping and fusible plugs		
Pressure retaining compor	nents that do not fall into one	of the above categories	
HOW MANUFACTURERS N	IAME, TRADEMARK OR I O	J. (Meeting AECB or ASME requirements) IGO AS IT WILL APPEAR ON THE PRODUCT	
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			MACHINED BARSTOCK
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DESIGN DRAN	lings		
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DATE 10/22/2018

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IT FITTINGS COMPONENTS

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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROLS CORPORAT	and of our our	
INDI WHATELE DAN	DN OF HMERICA	14 734
PLANT LOCATIONS: (SAME)	D. VINGINIA GEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POLICE HOUSE
A Pipe fittings, including couplings, tess, allower, Ye. plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, flexible connections, and hose assembles: all ty	pes	= 4 x Max
E. Strainers, filtere, separators, and atsem traps F. Messuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
		DESIGN PRESSURE
G Certified capacity-rated pressure ratief devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
Pressure retaining components that do not tell into one of the above	s categories	
N Nuclear components: Class 1 Class 2 Class 3 C. Masthy	AFCE or ACME manisments	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT	MILL APPEAR ON THE PRODUCT	X23402 description on
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SEE BELOW		DESCRIBE OTHER:
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DECLARATION: JOHN FRIEDRICH! menes a simployed by COV	/ n = d	
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Signature of Declarer:		
eclared before me at Inchio Beach, VA	U\$ETHIS \$	
his 411+ day of four AD 2018		
ommissioner of Oaths	_ OFF1C	
Notary Public: (sign)		
(Affix Official seal to the right) # 7015	528 WYMAY 742-2	
This space for Reg	guintory Authority use	THE PART OF THE PA
This registration must be revalidated efter	riten (10) years from the date of a	Ceptance,
CRN: OH5216.5 REV2	Newfoundland]
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ipr: 014	Service NL	
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otes: All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Cardentino	Service NL Registered 0H5216	<u>1</u> 8
otes; All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of supporting documentation.	Service NL Registered 0H5216. Date 26 JUNE 20, Engineering and Inspection Service	<u>1</u> 8
otes: All fittings shall be registered in the name of the Manufacturer. Each estegory shall be supported with two Statutory Declaration wins and one copy of supporting documentation. The declaration shall be made by the person having full authority and sponsibility for the quality of the end product.	Service NL Registered DH5216. Date 26 JUNE 20 Engineering and Inspection Service Registered by Styles	/B
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	N OF AMERICA	
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA 234	54 USA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE O	NE CATEGORY ONLY	TANDARD OF CONSTRUCTO
A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS, OF FEIGURES	
9 Finges: all finges C Valves: all line valves	PROOF	TEST
D Expension joints, flexible connections, and hose assemblies: all hoses	= 1	x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tres levels or	X PMA
Division transmissis	Deen	N PRESSURE
G Certified capacity-rated pressure relief devices acceptable as primary a bollers, pressure vessels, piping and fusible plugs	over preseure protection on	
Pressure retaining components that do not fall into one of the above ca	legories	
N Nuclear-components: Class 1 □ Class 2 □ Class 3 □, (Meeting AE SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WIL		
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	1 M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
CAYEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	TOTAL OF THE SYNDRED TO COMPTRUCTION
A Pipe fittings, including couplings, toss, albows, Ye, pluge, unions, pipe cape, or reducers	
B Fishpee: all fing valves C Valves: all fing valves	PROOF EST
D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
E Strainers, filters, separators, and alearn traps J.F. Messavring devices, including pressure gauges, level gauges, alght glosses, levels, or	- 7 x 1° m
bussenig programmes bussens Surber in de Bender's relix Bingger's and b' ot	DESIGN PRESSURE
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on botters, pressure vessels, picing and families plugs	
Pressure retaining components that do not fall into one of the above categories	
N Nuclear-components: Class 1 🗆 Class 2 🖸 Class 3 🖾, (Meeting AECB or ASNIE requirements)	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOCO AS IT WILL APPEAR ON THE PRODUC	
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SEE BELOW	DESCRISE OTHER
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MANUFACTURERS NAME	CONTROL C	PORATION OF AMERICA	
MANUFACTURERS ADDR	ESS: IEN JOPPEN	PORATION OF AMERICA	
PLANT LOCATIONS: (SAME	S ROAD, VIRGINIA BEAC	H, VA 23454 USA
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Territorial Registration Fee



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626

Toll Free: 1.877.682.8772 www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

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NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROL COSCO		01		
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PLANT LOCATIONS: (SAME)	VIKGINIA B	<u> each</u>	VA 23450	USA
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D Expension joints, fluxible connections, and hose essemblies: all types of Strategy fluxibles.			IROOF	, 52
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G Certified capacity-rated pressure milet devices assessible			DESIGN	PRESSU
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NEW BRUNSWICK NUNAVUT NOVA SČOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURES BALLS: A		
MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C	CATEGORY ONLY	CTOV
A Pipe Stlings, including couplings, tess, elbows, Ys, plugs, unions, pipe capa B Flampes: all finges C Valves: all line valves	PROOF TEST	-17414
D Expension joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam trape E Measures districts	= 4 x Max	
Measuring divides, including pressure gauges, level gauges, sight glasses, pressure transmitters Cartified capacity-rated pressure rated devices ecceptable as primary over plotters, pressure vassels, piping and finible plugs	Design Anna	RE
Pressure retaining components that do not fall into one of the above calegor	rtes	
N Nuclear-components: Class 1 🗆 Class 2 🗆 Class 3 🗀, (Meeting AECB o		
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AND	ACTUAL HERS TO BE REGISTERED:	
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(Affix Official seal to the right) # 7015 28	ENDING 2022	
This space for Regulatory This registration must be revalidated after ten (10	Authority use	7
RN: 0H5216.5 REV2	R PRESSURE	
D#: 614	PRESSURE DE DATE JUNE 33/18	
rtes:	CRN OHSAIL SAREVA	
All fillings shall be registered in the name of the Manufactum.	Dwg. as described	1
Each category shall be supported with two Statutory Declaration ms and one copy of supporting documentation.	Signed Tromas Perse	1
The declaration shall be made by the person having full authority and		
ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation	$\frac{1}{2}$	
a maximum interval of five (5) years.	Parl Parl REGULATIONS	
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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDRE	SS: 1501 HAPPER	C POAD WEGINE OF AN	16 02/1 mg 1
PLANT LOCATIONS: (5	AME	S ROAD, VIRGINIA BEACH	1, VA 23454 USA
CATEGORY OF F	ITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including cou		ps, unions, pipe caps, or reducers	<u> </u>
B Flanges: all flanges C Valves: all line valves			PROOF TEST
D Expansion joints, flexible (E Strainers, filters, separato)	connections, and hose assem	blies: all types	= 4 x Max
 Measuring devices, includi 	ing pressure gauges, level gai	uges, sight glasses, levels, or	
pressure transmitters		ble as primary over pressure protection on	DESIGN PRESSURE
, poliers, pressure vesseis,	piping and fusible plugs		
Pressure retaining compor	nents that do not fall into one	of the above categories	
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DATE 10/22/2018

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IT FITTINGS COMPONENTS

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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROLS CORPORAT	and of our our	
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PLANT LOCATIONS: (SAME)	D. VINGINIA GEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POLICE HOUSE
A Pipe fittings, including couplings, tess, allower, Ye. plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, flexible connections, and hose assembles: all ty	pes	= 4 x Max
E. Strainers, filtere, separators, and atsem traps F. Messuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
		DESIGN PRESSURE
G Certified capacity-rated pressure ratief devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
Pressure retaining components that do not tell into one of the above	s categories	
N Nuclear components: Class 1 Class 2 Class 3 C. Masthy	AFCE or ACME manisments	
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otes; All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of supporting documentation.	Service NL Registered 0H5216. Date 26 JUNE 20, Engineering and Inspection Service	<u>1</u> 8
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	N OF AMERICA	
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA 234	54 USA
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A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS, OF FEIGURES	
9 Finges: all finges C Valves: all line valves	PROOF	TEST
D Expension joints, flexible connections, and hose assemblies: all hoses	= 1	x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tres levels or	X PMA
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G Certified capacity-rated pressure relief devices acceptable as primary a bollers, pressure vessels, piping and fusible plugs	over preseure protection on	
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

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MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	1 M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
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D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
E Strainers, filters, separators, and alearn traps J.F. Messavring devices, including pressure gauges, level gauges, sight glosses, levels, or	- 7 x 1° m
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G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on botters, pressure vessels, picing and families plugs	
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SHOW MANUFACTURERS NAME, TRADEMARK, OR LOCO AS IT WILL APPEAR ON THE PRODUC	
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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DEBIGNS NEWFOUNDLAND AND LABRADO
MANUFACTURERS NAME	E CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDR	ESS: I SOL HOPPER	PORATION OF AMERICA	
PLANT LOCATIONS: (SAME!	ROAD, VIRGINIA BEACI	1, VA 23454 USA
		D. CIRCLE ONE CATEGORY ONLY	Vicinity and the second
A Pipe fittings, including co	ouplings, tees, elbows, Ys, plugs	. Unions, pine caps, or reducers	THE PARTY OF CONSTRUCT
C Valves: all ine valves	connections, and hose assemb		PROOF TEST
in Strainers, talers, separati F Measuring devices, include.	r consecution, and note assemb ors, and steem traps ding pressure gauges, level gau	••	= 4 x Max
G Certified expecity-rated p	Pessure railef devices acceptable	e as primary over pressure protection on	DESIGN PRESSUR
Pressure retaining compo	ponents that do not fall into one of	the above categories	1
N Nuclear components: Cla	ne 1 🗆 Cines 2 🗇 Cines 3 🗇,	(Meeting AECB or ASME requirements)	
AUTO MANAGEMENT	NAME, TRADEMARK, OR LOG	O AS IT WILL APPEAR ON THE PRODUCT	
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DESIGN DRAW	JIN G S		
ECLARATION:			nows *
JOHN FORENO.	Cul me and a employed b	CONTOR	ng the person having full authority a
npersture ratings, and iden nufacture of these fittings in part and has been verifi- laration conscientiously b	ntification markings are in ac is regulated by a Quality Co	on is sought. The dimensions, materials coordance with the herein named stander nirol Program which extends to each old	of construction, pressure of construction, pressure rds. I further declare that the
nature of Declarer:	J. E.	·	THE TOTAL PROPERTY.
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	(Affix Official seal to the right)	# 7015 28 EX TMAY 702 2	
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M:	V2		
**************************************	<u>2V</u> 2	Number	Boilers and
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w: 614		REGIS	Boilers and essure Vessels Act
w: 614 se: Uf fittings shall be registered such caregory shall be suppo	in the name of the Manufacture	REGIS	Boilers and
es: All fittings shall be registered supporting and one copy of supporting the declaration shall be made.	in the name of the Manufacture vited with two Statistory Declarat g documentation, B by the senson theying tull earthy	REGIS CRN OH5216	Boilers and essure Vessels Act TERED 5 SN Leu 2
W: 614 If things shall be registered inch category shall be supporting the declaration shall be made onability for the quality of the tuality control programs shall be the tuality to the tuality tu	in the name of the Manufacture ofted with two Statutory Declarat g documentation, by the person having full outhor a end product.	REGIS CRN OH5216	Boilers and essure Vessels Act TERED SNEU2 2, 2018
e: If fittings shall be registered ach category shall be supporting a and one copy of supporting the declaration shall be made onability for the quality of the	in the name of the Manufacture ofted with two Statutory Declarat g documentation, by the person having full outhor a end product.	REGIS CRN OH5216 Only and Date June 22	Boilers and essure Vessels Act TERED 50 Rev 2 2, 2018

Territorial Registration Fee



345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

August 13, 2018

JOHN FRIEDRICHS CONTROLS CORPORATION OF AMERICA 1501 HARPERS RD VIRGINIA BEACH VA 23454 US

Service Request Type.: BPV-National ACI Central

Service Request No.: 2324676

Your Reference No.:

Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H5216.59870YTNR2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_BPV Engineering

Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

NEW BRUNSWICK	
NUNAVLIT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEW BRUNSWICK NUNAVUT NOVA SČOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUSAN DESERVATES A	
MANUFACTURERS NAME: CONTROLS CORPORATION	OF AMERICA
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VI	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C	CATEGORY ONLY THE DE THE BEAUGUED OF CONSTRUCT
A Pipe fittings, including couplings, tess, albows, Ye, plugs, unions, pipe capa B Planges: all finges C Valves: all line valves	PROOF TEST
D Expension joints, flexible connections, and hose senemblies: all types E Strainers, filters, separations, and steam trape E Manufacturing districts to the filters of the second sec	= 4 x Max
Measuring divides, including pressure gauges, level gauges, sight glasses, pressure transmitters Cartified capacity-rated pressure railef devices acceptable as primary over plotters, pressure vessels, piping and finible plugs	Design Anna
Pressure retaining components that do not fall into one of the above category	ries
N Nuclear-components: Class 1 🖸 Class 2 🖸 Class 3 🗒, (Meeting AECB or	- A
SHOW MARUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL AP	FORGER DE WIRELES DE MONINGE D
SEE BELOW	CAST COTHER, OF
LIBY OF BURNOWING AND INCOME.	MACHINED BARSTOCK
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SCORE	
TEST REPORTS AND REPRESENTATIVE	8 KETCHES
DESIGN DRAWINGS	
ECLARATION:	
JOHN FRIEDRICAS prome a employed by COVCPA seponsibility for the quality of the end product do solemnly declare that the product for which registration is sought. The imperature ratings, and identification markings are in accordance with the anufacture of these fittings is regulated by a Quality Control Program withing and has been verified by INTERTER ATER accordance with the scalaration conscientiously believing it to be true, and knowing that it is obtained.	the dimensions, materials of construction, pressure the dimensions, materials of construction, pressure the herein named standards. I further declare that the
gnature of Declarer:	
to 411 day of heur AD 2018	USETHIS SELECTION OF FICTION
mmissioner of Oaths Notery Public: (sign)	
(Affix Official seal to the right) # 70/15 28	15/2/4 = 12.2
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RN: OH5216.5 REV2	& PRESSURE
D#: 614	PRESSURE Date Tune 30/18
itos;	C.R.N. OHSAIL. SBREVA
All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration	Dwg. as described
ms and one copy of autoporting documentation.	Signed Turne Perry
The declaration shall be made by the person having full authority and sponsibility for the quality of the end product.	1 0 1
Quality control programs shall be resubmitted for validation	\cdot
e meximum interval of five (5) years.	Parl Parl REGULATIONS
A CONTRACTOR OF THE STATE OF TH	

EW BRUNSWICK UNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	CONTROL CO	PORATION OF AMERICA	
MANUFACTURERS ADDRES	S: 1501 400000	COAD WESTERN OF AMERICA	14 02d ml
PLANT LOCATIONS: (SA	ME)	S ROAD, VIRGINIA BEACH	, VA 23454 USA
		ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
Pipe fittings, including coup		38, unions, pipe caps, or reducers	1
Flanges: all flanges Valves: all line valves			PROOF TEST
Expansion joints, flexible co Strainers, filters, separators,	nnections, and hose assem	ibiles: all types	= 4 x Max
Measuring devices, including	, and allemi traps g pressure gauges, level ga	uges, sight glasses, levels, or	
Presure transmitters		ble as primary over pressure protection on	DESIGN PRESSURE
, Dollers, pressure vesseis, pi	iping and fusible plugs		
Pressure retaining compone	Ints that do not fall into one	of the above categories J. (Meeting AECB or ASME requirements)	
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		SO AN IL PRESENTATION THE PRODUCT	FORGED OF WELDER CL HEROLOGY CL
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			MACHINED BARSTOCK
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	AND DERES	ENTATIVE SKETCHES	
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onsibility for the quality of mowledge represents the perature ratings, and identify of these fittings is part and has been verified aration conscientiously because of Declarer: ared before me at day of missioner of Oaths stary Public: (sign)	product for which registre ification markings are in a regulated by a Quality (d by ATLATIK Illewing it to be true, and I was a Beauty ATTK ATTK ATTK ATTK ATTK ATTK ATTK ATT	control rectaire that the impormation container attion is sought. The dimensions, materials accordance with the herein named standa Control Program which extends to each pix as being suitable for the knowing that it is of the same force and effect that it is of the same force and effec	ng the person having full authority and in this form is true and to the best of construction, pressure rds. I further declare that the ant where fabrication occurs in whole at purpose and i make it the act as if made under the
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DATE 10/22/2018

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IT FITTINGS COMPONENTS

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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

MANUFACTURERS NAME: CONTROLS CORPORAT	and of overland	
I WAS HERE DON	DN OF HMERICA	4 734
PLANT LOCATIONS: (SAME)	J. VINGINIA BEACH	, VA 23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCL	E ONE CATEGORY ONLY	THE OF THE STANDARD OF POWERRIONS
A Pipe fittings, including couplings, test, albeirs, Ye, plans, among a	pipe caps, or reducers	
C Valves: as line valves		PROOF TEST
D Expansion joints, fexible connections, and hose assembles: all ty	pes	= 4 x Max
E Strainers, filters, separators, and atsams traps F Measuring devices, including pressure gauges, level gauges, eight		- 4 X MAX
Meanific Deligings		DESIGN PRESSURE
G Certified capacity-rated pressure ratiof devices acceptable as prima bollers, pressure vessels, piping and fusible plags		The state of the s
Pressure retaining components that so not tell into one of the above	s Categories	
N Nocioez-components: Class 1 Class 2 Class 3 Manthus	AFCE or ACME manhammatics	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT I	MUL APPEAR ON THE PRODUCT	X23402 description on
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SEE BELOW		DESCRIBE OTHER:
		Manual - 0
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION C	E THE APPLIAL WERE TO BE A	MACHINED BARSTOCK
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TEST REPORTS AND REPRESENTAT	WE SKETCHES	
INDI PETORIS WAS ASSESSED.	TO DECIDAÇÃO	
DESIGN DRAWINGS		GIST
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DECLARATION: JOHア FR:EDR:Cは{ movies 3) employed by CoV		the person having full authority and
esponsibility for the quality of the end product do soleranty decising the second of t	out the unitationals, materials of with the horoin number standard gram which have not to each plan	n construction, pressure s. I further declare that the I where fabrication occurs in whole
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his 4th day of four AD 2018	_ 03 - 1 1 1 5 8	RATIO
	_ OSE THIS &	PARTE
ommissioner of Oaths		PLANT
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ommissioner of Oaths Notery Public: (sign) (Affix Official seal to the right) # 7015	SZ8 A SIMAY ZOZZ	THE REAL PROPERTY OF THE PARTY
ommissioner of Oaths Notery Public: (sign) (Affix Official seal to the right) # 7015 This space for Reg	OFFIC SZ8 CX 3/MA7 722 2 pulptory Authority use	A PARAMETER AND A PARAMETER AN
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NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

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MANUFACTURERS NAME: CUNTROLS (ORPORATION MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, PLANT LOCATIONS: (SAME)	V DE AMERICA	65W = 4
PLANT LOCATIONS: (SAME)	VIRGINIA BEACH, VA	23454 USA
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE O	NE CATEGORY ONLY	THE STANDARD OF CONSTRUCTO
A Pipe fittings, including couplings, tess, elbows, Ys, plugs, unions, pipe	GROS. Or reducers	
9 Finges: all finges C Valves: all line valves	PRO	OF TEST
D Expension joints, flexible connections, and hose assemblies: all hoses		4 x Max
E Streiners, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glar	tree levels or	ግ አ የግዛለ
Division transmissis	i De	SIGN PRESSURE
G Certified capacity-rated pressure relief devices acceptable as primary a bollers, pressure vessels, piping and fusible plugs	over preseure protection on	
Pressure retaining components that do not fall into one of the above ca	tegories	
N Nuclear-components: Class 1 □ Class 2 □ Class 3 □, (Meeting AE SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WIL	CB or ASME requirements)	
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NEW BRUNSWICK NUNAVUT NOVA SÕOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: CONTROLS CORPORATION OF AMERICA	
MANUFACTURERS ADDRESS: 1501 HARPERS ROAD, VIRGINIA BEACL	1 M. 23/107 1150
PLANT LOCATIONS: (SAME)	t, VA 23454 USA
CAYEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	TOTAL OF THE SYNDRED TO COMPTRUCTION
A Pipe fittings, including couplings, toss, albows, Ye, pluge, unions, pipe cape, or reducers	
B Fishpee: all fing valves C Valves: all fing valves	PROOF EST
D Expansion joints, flexible connections, and hose assemblies: all types	= 4 x Max
E Strainers, filters, separators, and alearn traps J.F. Messavring devices, including pressure gauges, level gauges, sight glosses, levels, or	- 7 x 1° m
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G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on botters, pressure vessels, picing and families plugs	
Pressure retaining components that do not fall into one of the above categories	
N Nuclear-components: Class 1 🗆 Class 2 🖸 Class 3 🖾, (Meeting AECB or ASNIE requirements)	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOCO AS IT WILL APPEAR ON THE PRODUC	
	CAST D OTHER ST
SEE BELOW	DESCRISE OTHER
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LIST OF SUPPORTING COCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE R	MACHINED BARSTOCK
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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	ON OF FITTING DEBIGNS NEWFOUNDLAND AND LABRADO
MANUFACTURERS NAME	E CONTROL COO	PORATION OF AMERICA	
MANUFACTURERS ADDR	ESS: I SOL HOPPER	PORATION OF AMERICA	
PLANT LOCATIONS: (SAME!	ROAD, VIRGINIA BEACI	1, VA 23454 USA
		D. CIRCLE ONE CATEGORY ONLY	Vicinity and the second
A Pipe fittings, including co	ouplings, tees, elbows, Ys, plugs	. Unions, pine caps, or reducers	THE PARTY OF CONSTRUCT
C Valves: all ine valves	connections, and hose assemb		PROOF TEST
in Strainers, talers, separati F Measuring devices, include.	r consecution, and note assemb ors, and steem traps ding pressure gauges, level gau	••	= 4 x Max
G Certified expecity-rated p	Pessure railef devices acceptable	e as primary over pressure protection on	DESIGN PRESSUR
Pressure retaining compo	ponents that do not fall into one of	the above categories	1
N Nuclear components: Cla	ne 1 🗆 Cines 2 🗇 Cines 3 🗇,	(Meeting AECB or ASME requirements)	
AUTO MANAGEMENT	NAME, TRADEMARK, OR LOG	O AS IT WILL APPEAR ON THE PRODUCT	
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IET OF BUSINESSTAN AND			MACHINED BARSTOCK
SAL DE ODECOVING DES	AMERICALISM AND IDENTIFY	CATION OF THE ACTUAL ITEMS TO BE RE	OSTERED:
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TEST REPORTS	AND REPRESE	NTATIVE SKETCHES	A
DESIGN DRAW	JIN G S		
ECLARATION:			nows *
JOHN FORENO.	Cul me and a employed b	CONTOR	ng the person having full authority a
npersture ratings, and iden nufacture of these fittings in part and has been verifi- laration conscientiously b	ntification markings are in ac is regulated by a Quality Co	on is sought. The dimensions, materials coordance with the herein named stander nirol Program which extends to each old	of construction, pressure of construction, pressure rds. I further declare that the
nature of Declarer:	J. E.	·	THE TOTAL PROPERTY.
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	(Affix Official seal to the right)	# 7015 28 EX TMAY 702 2	
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N: OH5216.5 RE		· · · · · · · · · · · · · · · · · · ·	* U II/7UIII I
M:	V2		
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w: 614 se: Uf fittings shall be registered such caregory shall be suppo	in the name of the Manufacture	REGIS	Boilers and
es: All fittings shall be registered such category shall be supported and one copy of supporting the declaration shall be made.	in the name of the Manufacture vited with two Statistory Declarat g documentation, B by the senson theying tull earthy	REGIS CRN OH5216	Boilers and essure Vessels Act TERED 5 SN Leu 2
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Territorial Registration Fee