

November 06, 2023

**Attention:** John Friedrichs  
CONTROLS CORPORATION OF AMERICA  
1501 HARPERS ROAD  
VIRGINIA BEACH, VA 23454

The design submission, Tracking Number 2023-06253, Web Portal Number 2023-S4081, originally received on October 12, 2023 was surveyed and accepted for registration as follows:

**CRN :** 0F11809.2 **Accepted on:** November 06, 2023

**Reg Type:** RENEWAL **Expiry Date:** November 06, 2023

**Drawing No. :** 8056755,8056756,8056757 + cat pgs As Noted

**Fitting type:** Pressure Regulator

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

*This is renewal of existing CRN under 2011-06026. There is no change to design.*

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

- *It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- *This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration or AB-351 Declaration of Conformity form.*
- *This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.*
- *Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

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

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

Sincerely,



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

**STATUTORY DECLARATION**  
**Registration of Fittings**  
Single or Multiple Fitting Designs within one Fitting Category

I, John Friedrichs, Design Engineer Manager  
(name of applicant) (position title) (must be in a position of authority)  
of Controls Corporation of America  
(name of manufacturer)  
located at 1501 Harpers Road, Virginia Beach VA, 23454  
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with Proof=4 X Design PSI as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

**Quality Program Verification and Manufacturing Sites**

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	80X67XX Series	ISO 9001	ISO 9001:2015	11Dec2025	Perry Johnson Registrars, Inc.	1501 Harpers Road, VA Beach VA 23454
2.						

In support of this application, the following information, calculations and/or test data are attached:

Catalog Pages, Design Drawings and Test Reports

[Signature] (Signature of the Declarer)

10/12/2023 (Date)

DECLARED before me at Virginia Beach in the State of VIRGINIA (city) (province, territory, or state)

this 12th day of October, 2023 (Month) (Year)

(print) MIRIAM DURAN (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

02/28/26 (expiry date (mm/dd/yy))

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

Commissioner of Oaths / Notary Public in and for: State of Virginia (province, territory, or state)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category
CRN:
Registered Date:
Expiry Date:
Signature: (Signature of the Administrator/SCO)
The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2023-06253 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: CF11809.2 See acceptance letter for conditions of registration. Date: 2023-11-06 By: [Signature] XING LIU, P. Eng. DOP: D0008861 This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act

**Table 1\*\* Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
See	Attached	Spreadsheet							

**Table 2 Additional Scope Information**

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example:
Series X Options

\*\* For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

# CYLINDER REGULATORS



## 6700 SERIES

### High-flow Heavy Duty Heating and Cutting

The 6700 Series High-flow Heavy Duty Heating and Cutting regulator provides steady and reliable pressure control in industrial gas cylinder applications requiring high-flow rates. The balanced stem seat designed mitigates fluctuations in outlet pressure caused by variable inlet pressures while the large orifice seat and 1/2" ports provide high-flow capacity. Combined with robust materials of construction and a wide range of delivery pressures, the 6700 is an ideal choice for rugged heating and cutting applications being supplied by gas cylinders.



806 6706 Shown

Features	Materials of Construction	Specifications
<b>1/2" Seat and Ports</b> Ultra high-flow  <b>Balance Stem Seat</b> Steady pressure control with decaying inlet conditions  <b>Heavy Forged Brass Bonnet</b> High durability	<b>Body</b> Brass barstock  <b>Bonnet</b> Forged brass  <b>Seat</b> Viton, Neoprene  <b>Diaphragm</b> Neoprene  <b>40-Micron Inlet Filter</b> 316L stainless steel	<b>Max Inlet Pressure</b> 3000 PSIG  <b>Temperature Range</b> -40 to 140° F (-40 to 66° C)  <b>Cv</b> 2.0  <b>Gauges</b> 2-1/2" manufactured to ANSI/ASME B40.1  <b>Conformances</b> CGA E-4

CRN 0F11806.2

### Ordering Information

Part Number	Gas Service	Inlet	Outlet Pressure	Outlet Fittings	Pressure Gauges
806 6706-01-1	Oxygen	CGA 540	0-120 PSIG	"C" RH Ext.	200 & 4000 PSIG
806 6716-01-1	Oxygen	CGA 540	0-200 PSIG	"C" RH Ext.	400 & 4000 PSIG
806 6717-01-1	Oxygen	CGA 540	0-200 PSIG	"B" RH Ext.	400 & 4000 PSIG
806 6702-01-1	Acetylene (max inlet 400 PSIG)	CGA 300	0-15* PSIG	"C" LH Ext.	30 & 400 PSIG
806 6709-01-1	Acetylene (max inlet 400 PSIG)	CGA 510	0-15* PSIG	"C" LH Ext.	30 & 400 PSIG
806 6710-01-1	Acetylene (max inlet 400 PSIG)	CGA 410	0-15* PSIG	"B" LH Ext.	30 & 400 PSIG
806 6732-01-1	Fuel Gas (max inlet 400 PSIG)	CGA 510	0-40 PSIG	"C" LH Ext.	60 & 400 PSIG
806 6733-01-1	Fuel Gas (max inlet 400 PSIG)	CGA 510	0-40 PSIG	"B" LH Ext.	60 & 400 PSIG
806 6703-01-1	Argon, Nitrogen, Helium & Carbon Dioxide Mixtures	CGA 580	0-200 PSIG	"C" RH Int.	400 & 4000 PSIG
806 6705-01-1	Argon, Nitrogen, Helium & Carbon Dioxide Mixtures	CGA 580	0-120 PSIG	"C" RH Int.	200 & 4000 PSIG
806 6707-01-1	Hydrogen/Methane	CGA 350	0-120 PSIG	"C" LH Ext.	200 & 4000 PSIG
806 6708-01-1	Compressed Air	CGA 346	0-120 PSIG	"C" RH Ext.	200 & 4000 PSIG
806 6718-01-1	Compressed Air	CGA 346	0-200 PSIG	"C" RH Ext.	400 & 4000 PSIG
806 6787-01-1	Carbon Dioxide	CGA 320	0-120 PSIG	"C" RH Int.	200 & 4000 PSIG
806 6788-01-1	Carbon Dioxide	CGA 320	0-200 PSIG	"C" RH Int.	400 & 4000 PSIG

\* Acetylene should not be used over 15 PSIG

# PIPELINE REGULATORS



## 6790 SERIES

### High-flow Heavy Duty Rugged Heating and Cutting

The 6790 Series High-flow Heavy Duty Rugged Heating and Cutting regulator provides steady and reliable pressure control in industrial gas pipeline applications requiring high-flow rates. The balanced stem seat designed mitigates fluctuations in outlet pressure caused by variable inlet pressures while the large orifice seat and 1/2" ports provide high-flow capacity. Combined with robust materials of construction and a wide range of delivery pressures, the 6790 is an ideal choice for rugged heating and cutting applications.



806 6791 Shown

DISTRIBUTION SYSTEMS

Features	Materials of Construction	Specifications
<p><b>1/2" Seat and Ports</b> Ultra high-flow</p> <p><b>Heavy Forged Brass Bonnet</b> High durability</p>	<p><b>Body</b> Brass barstock</p> <p><b>Bonnet</b> Forged brass</p> <p><b>Seat</b> Viton® or Neoprene</p> <p><b>Diaphragm</b> Neoprene</p> <p><b>40-Micron Inlet Filter</b> 316L stainless steel</p>	<p><b>Max Inlet Pressure</b> 3000 PSIG 400 PSIG (with Acetylene)</p> <p><b>Temperature Range</b> -40 to 140° F (-40 to 66° C)</p> <p><b>Cv</b> 2.0</p> <p><b>Gauges</b> 2-1/2" manufactured to ANSI/ASME B40.1</p> <p><b>Conformances</b> CGA E-4</p>

CRN 0F11806.2

Ordering Information			
Part Number	Outlet Pressure	Outlet Gauge	Maximum Flow
806 6790-01-1 (400 PSIG Max Inlet)	0-15 PSIG	0-30 PSIG (Red-Line Gauge)	900 SCFH
806 6791-01-1	0-15 PSIG	0-30 PSIG	900 SCFH
806 6792-01-1 (400 PSIG Max Inlet)	0-40 PSIG	0-60 PSIG	1500 SCFH
806 6793-01-1	0-120 PSIG	0-200 PSIG	9000 SCFH
806 6794-01-1	0-200 PSIG	0-400 PSIG	9000 SCFH
806 6797-01-1 (For Nitrous Oxide and Carbon Dioxide)	0-120 PSIG	0-200 PSIG	4000 SCFH
806 6798-01-1 (For Nitrous Oxide and Carbon Dioxide)	0-200 PSIG	0-400 PSIG	4000 SCFH

Part Number	Description
830 6479	Panel Mount Kit (includes bonnet with panel-mount threads)
835 0205	Wall Mount Kit (includes wall bracket)







<b>Outlet Factor of Safety (Calculated)</b>
12.4
19.2
19.2
19.2
106.7
106.7
33.1
106.7
36.9
12.4
19.2
19.2
19.4
19.4
54.4
54.4
12.4
12.4
30.4
30.4
17.0
17.0
13.5
13.5
22.1
62.0
62.0
300.0
106.7
36.9
22.1
300.0
106.7
36.9
32.0
320.0
320.0
24.0
40.0
40.0
40.0
40.0
320.0
320.0
320.0
24.0
24.0
24.0
40.0
120.0
120.0

Outlet Factor of Safety (Calculated)
120.0
120.0
24.0
40.0
24.0
320.0
320.0
320.0
320.0
120.0
40.0
24.0
40.0
24.0
120.0
320.0
320.0
40.0
24.0
24.0
320.0
320.0
120.0
40.0
24.0
24.0
24.0
34.3
40.0
40.0
320.0
64.0
33.1

12.4  
320.0


2023-06253

**ABSA**

**SAFETY CODES ACT - PROVINCE OF ALBERTA**

**ACCEPTED: CF11809. 2**

**See acceptance letter for conditions of registration.**

Date: 2023-11-06 By: 

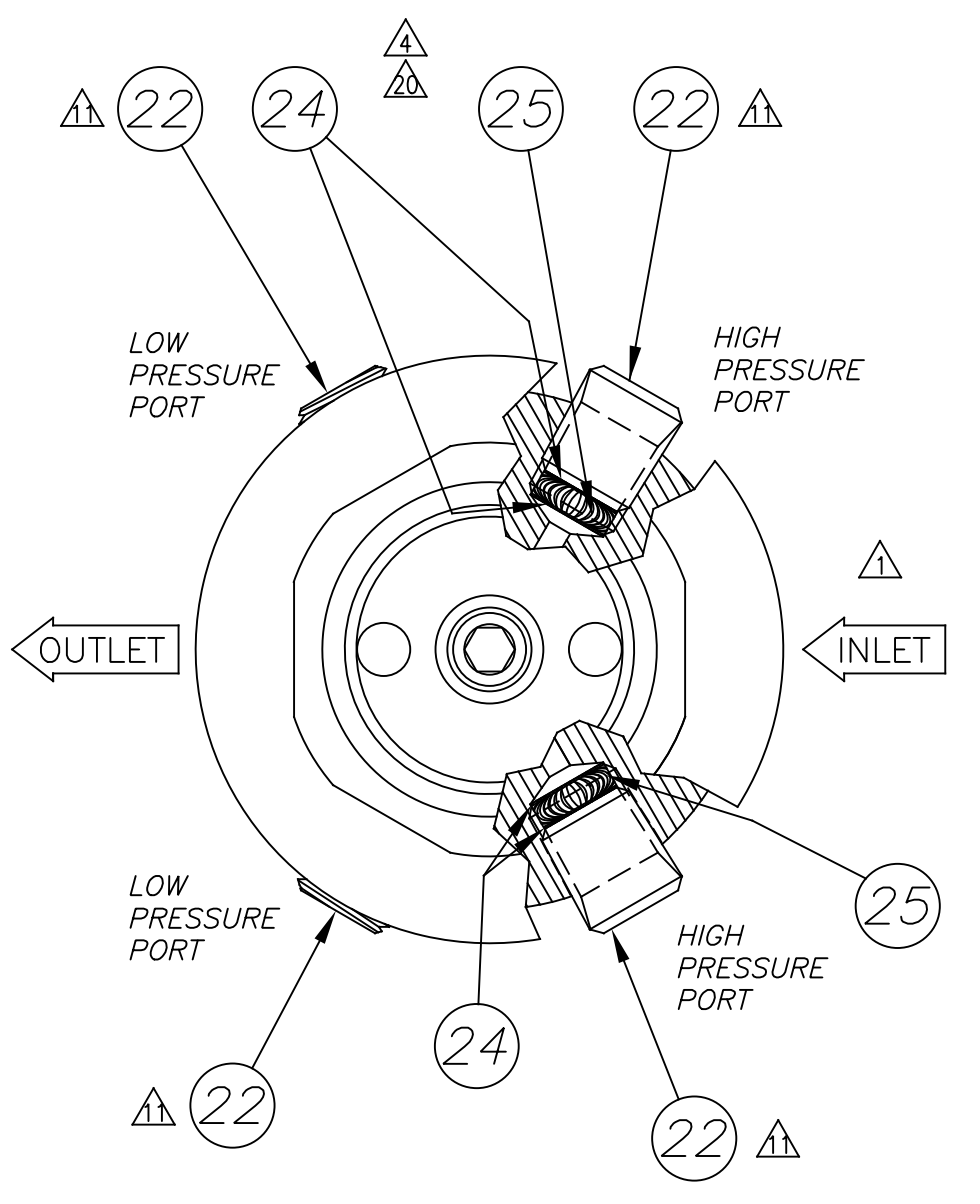
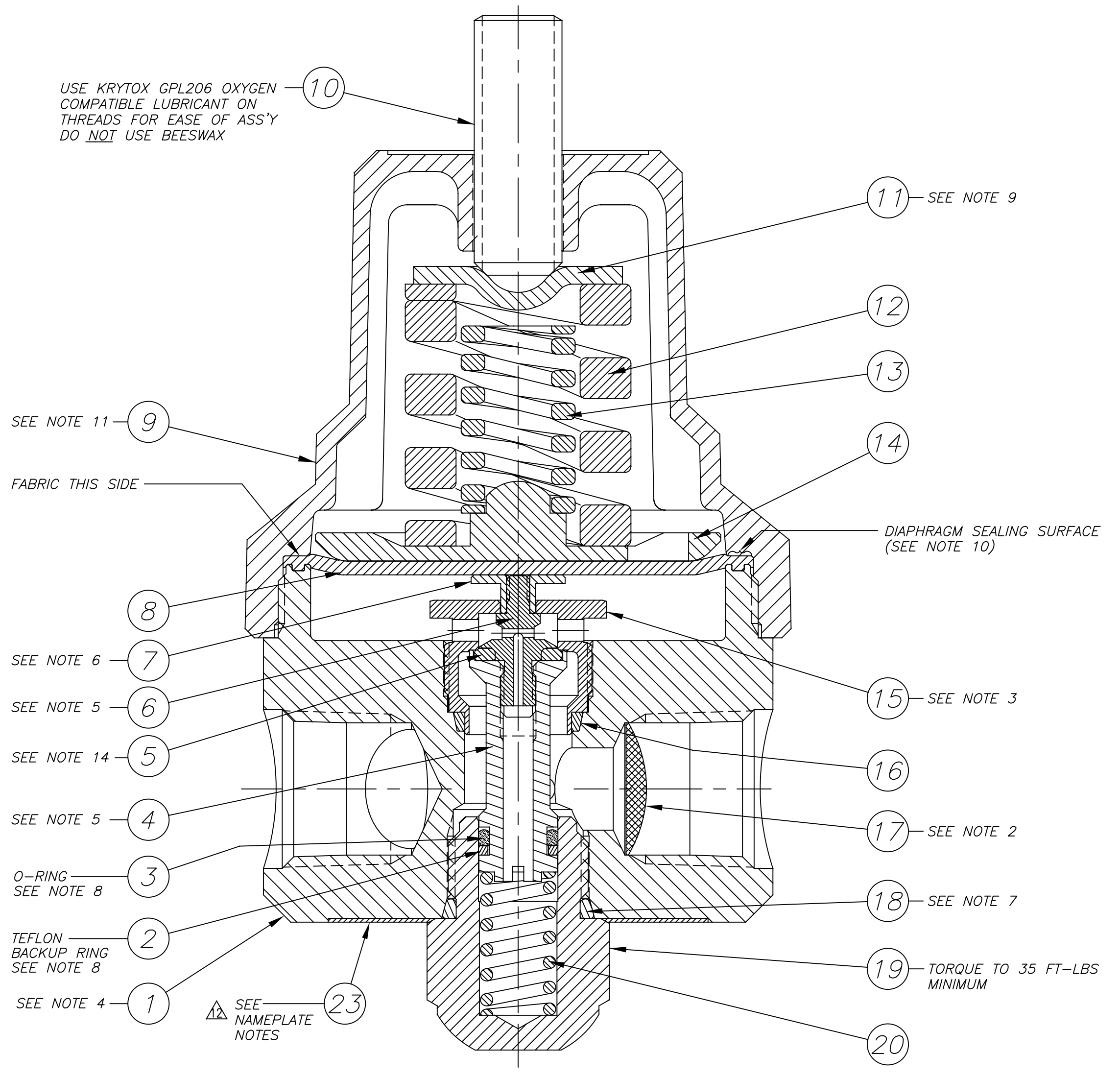
**XING LIU, P. Eng.**  
DOP: D00008861

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

THIS DOCUMENT IS THE PROPERTY OF CONCOA. IT IS TO BE USED ONLY FOR THE PURPOSES INTENDED. IT IS TO BE KEPT IN THE ORIGINAL UNLESS OTHERWISE SPECIFIED. IT IS TO BE RETURNED TO CONCOA UPON REQUEST. ANY REPRODUCTION OR DISTRIBUTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF CONCOA IS STRICTLY PROHIBITED.

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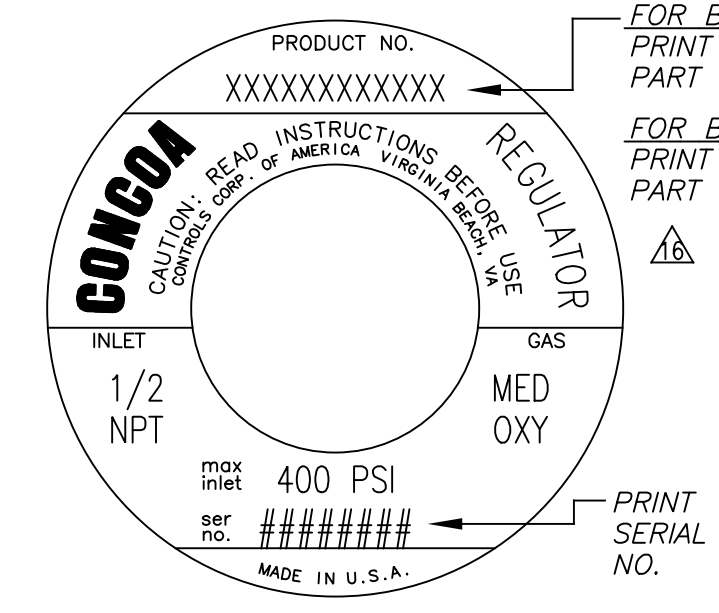
USE KRYTOX GPL206 OXYGEN COMPATIBLE LUBRICANT ON THREADS FOR EASE OF ASS'Y DO NOT USE BEESWAX



- NOTES:**
- SEAL ALL PIPE THREADS WITH PTFE TAPE.
  - INSERT FILTER (ITEM 17) INTO INLET PORT USING PROPER INSERTION TOOL. SCREEN MUST BE DOMED AS SHOWN IN THE VIEW ABOVE.
  - TORQUE RETAINER (ITEM 15) TO 35-42 FT-LBS (420-500 IN-LBS).
  - AFTER ASSEMBLING PERIPHERALS INTO BODY (ITEM 1), BLOW OUT BODY THOROUGHLY WITH CLEAN COMPRESSED AIR OR DRY NITROGEN TO REMOVE ANY LOOSE CHIPS IN THE BODY.
  - SCREW PIN (ITEM 6) INTO SEAT HOLDER (ITEM 4) USING A TORQUE OF 13-17 IN-LBS.
  - TORQUE PIN CAP (ITEM 7) TO 3-5 IN-LBS.
  - LUBRICATE REAR PLUG O-RING (ITEM 18) WITH LUBRICANT PER DRAWING 8359080.
  - LUBRICATE BALANCED STEM BACK-UP RING (ITEM 2) AND O-RING (ITEM 3) WITH LUBRICANT PER DRAWING 8359080.
  - LUBRICATE DIMPLE OF SPRING BUTTON (ITEM 11) WITH LUBRICANT PER DRAWING 8359080.

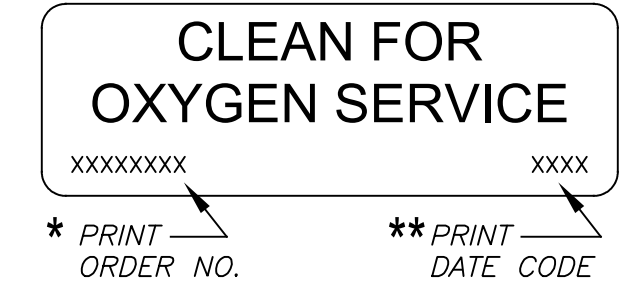
- LUBRICATE DIAPHRAGM SEALING SURFACE OF BONNET (ITEM 9) WITH LUBRICANT PER DRAWING 8359080.
- TORQUE BONNET (ITEM 9) TO 50 FT-LBS MINIMUM.
- TEST IN ACCORDANCE WITH TEST PROCEDURE #2000. USING THE FOLLOWING PARAMETERS:  
ORIFICE SIZE ----- #72 (#.025)  
INLET PRESSURE ----- 400±10 PSI  
STATIC INCREMENT AT 100 PSI DELIVERY ---- 10 PSI MAX.  
5 MINUTE CREEP TEST AT 100 PSI DELIVERY REQUIRED. GUARANTEED DELIVERY PRESSURE IS 250 PSI MINIMUM. SHIP REGULATOR WITH SET SCREW BACKED OUT. AFTER TESTING, PLACE A DROP OF NAIL POLISH AT THE JOINT OF THE REAR PLUG AND BODY. ALSO, PLACE A DROP OF NAIL POLISH AT THE BODY AND BONNET JOINT.
- LIGHTLY LUBRICATE ITEM 5 WITH WATER PRIOR TO ASSEMBLY OF THE NOZZLE.

**NAMEPLATE NOTES:**  
PRINT NAMEPLATE (ITEM 23) AS SHOWN BELOW USING UL-APPROVED PRINTING METHOD (SEE DRAWING 9000 0008):

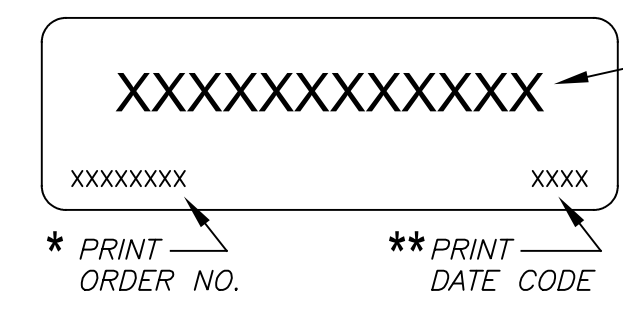


**NOTE:**  
CUSTOMER CHOOSES TO USE THIS PRODUCT IN CO2 SERVICE IN SOME CASES. BECAUSE IT HAS A LOW INLET PRESSURE, THIS IS ALLOWABLE.

**BOX & BAG LABEL NOTES:**  
PRINT BOX AND BAG LABELS (ITEM 27) IN BLACK AS SHOWN BELOW:  
BAG LABEL:



BOX LABEL:



\* FACTORY ORDER NO. OR OTHER REFERENCE NO. (i.e., RMA, REWORK, etc.).  
\*\* DATE CODE (DATE THE LABEL WAS PRINTED) IN THE FORM OF YYWW (YY IS THE 2 DIGIT YEAR, WW IS THE WEEK OF THE YEAR).

**PACKAGING NOTES:**

- SEAL WRAPPED ASS'Y IN POLY BAG (ITEM 30).
- APPLY PROP 65 LABEL (ITEM 32), BAG LABEL (ITEM 27), & MP 500 LABEL (ITEM 31) TO POLY BAG.
- WRAP REGULATOR ASS'Y WITH BUBBLE WRAP (ITEM 29), AND TAPE DOWN EDGE OF WRAP.
- PLACE BAGGED PRODUCT INTO PLAIN WHITE CARTON (ITEM 28), AND CLOSE THE CARTON.
- APPLY BOX LABEL (ITEM 27).

ITEM	PART NO. / SIZE	QTY	MATERIAL / DESCRIPTION
32	830 9944	1	LABEL, PROP 65 WARNING
31	830 9938	1	LABEL, MP500 1x3IN
30	9905 1024	1	POLY BAG
29	9904 8053	1	BUBBLE WRAP
28	9903 9092	1	CARTON
27	9901 6312	2	LABEL, FOR BOX & CLEANING LABELS
26			
25	830 4060	2	FILTER, GLASS WOOL
24	830 4052	4	SCREEN, 1/4 NPT PORT
23	830 7238	1	NAMEPLATE
22	9225 0008	4	PIPE PLUG, BRASS (1/4 NPT)
21			
20	830 5453	1	SPRING, MARGINAL
19	830 5476	1	PLUG, REAR BODY
18	830 5474	1	O-RING, PLUG SEAL (VITON)
17	830 7748	1	FILTER, INLET
16	830 5830	1	O-RING, RETAINER SEAL (TEFLON)
15	830 0413	1	RETAINER, BRASS
14	830 5968	1	DIAPHRAGM PLATE (MACHINED BRASS)
13	830 4960	1	SPRING, BOOSTER
12	830 4101	1	SPRING, ADJUSTING
11	830 4095	1	SPRING BUTTON
10	830 5354	1	SET SCREW, M12 x 1.75 x 1" LONG
9	830 5568	1	BONNET, CHROME PLATED
8	830 5569	1	DIAPHRAGM, C-SIZE RUBBER
7	830 4897	1	CAP, PIN
6	830 9390	1	PIN, STAINLESS STEEL
5	830 0319	1	SEAT, 90 DUROMETER VITON
4	830 5343	1	SEAT HOLDER, BRASS
3	830 5332	1	O-RING, BALANCED STEM SEAL (VITON)
2	830 5333	1	BACK-UP RING, TEFLON
1	830 6246	1	BODY, BRASS

SCALE: APPROX. 2:1	THIRD ANGLE PROJECTION	TOLERANCE UNLESS OTHERWISE SPEC'D DIMENSIONS ARE IN INCHES DIM. & TOL. PER ANSI Y14.5	DESIGNED BY: A. Whitaker 3/27/2001
TITLE BLOCK REVISION #7	REVISION DATE: 1/31/2003	FINISH: XX DECIMALS: ±.010	DESIGN ENGINEER: J. Friedrichs 3/26/2001
DWG FILENAME: 8056755.DWG	FRACTIONS: ±1/64	ANGLES: ±2'	MANUFACTURING ENG: M. Wilson 3/26/2001
WORK USED: FOR BEACON MEDICAL (brand code -71 model)	FILLET RADI: R 1/64	BREAK EDGES: .002-.010	QUALITY ASSURANCE: E. Filomarino 3/27/2001
CASE NUMBER: 0A389			

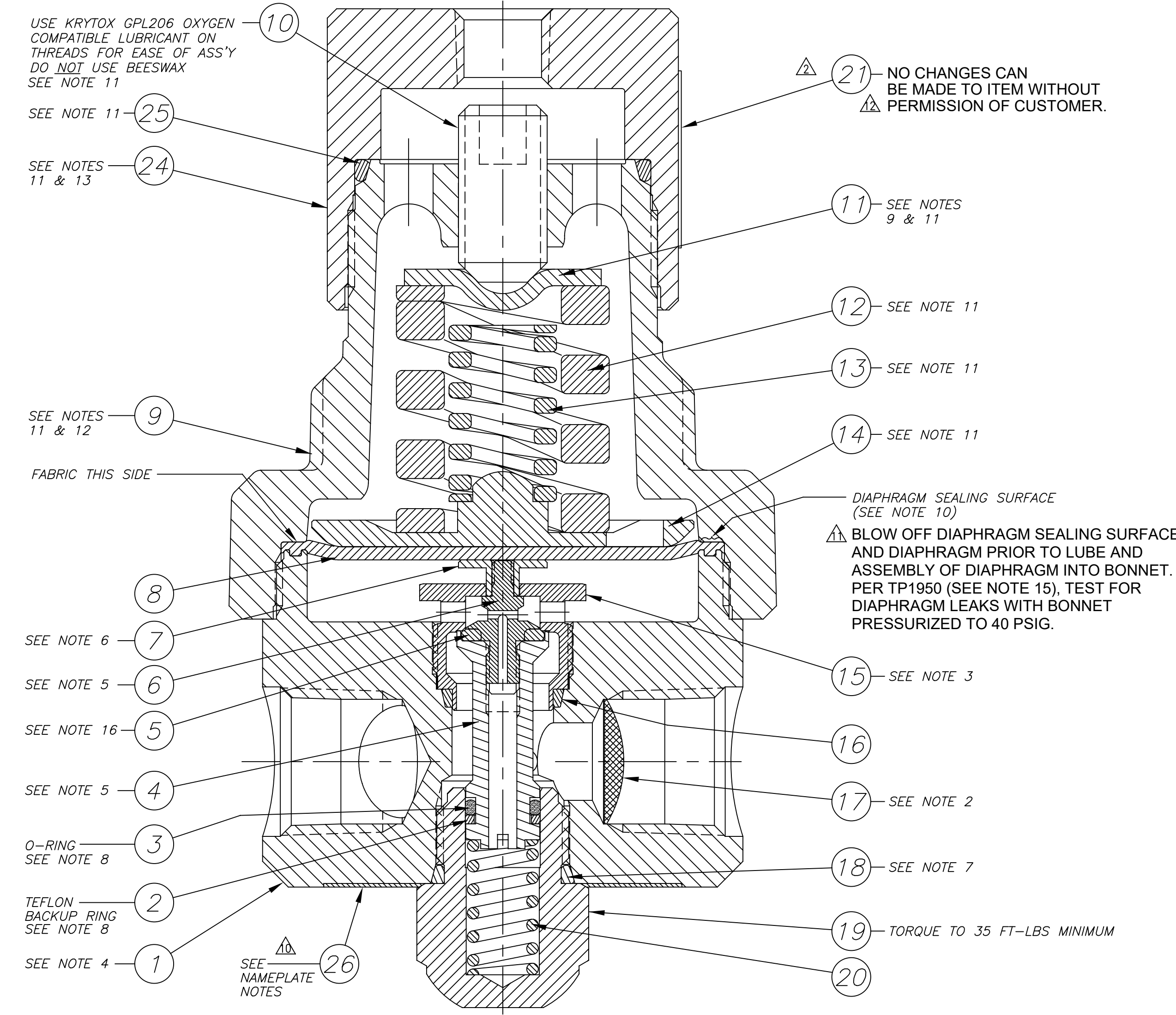
DRN BY: A. Whitaker 3/27/2001  
 J. Friedrichs 3/26/2001  
 M. Wilson 3/26/2001  
 E. Filomarino 3/27/2001

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

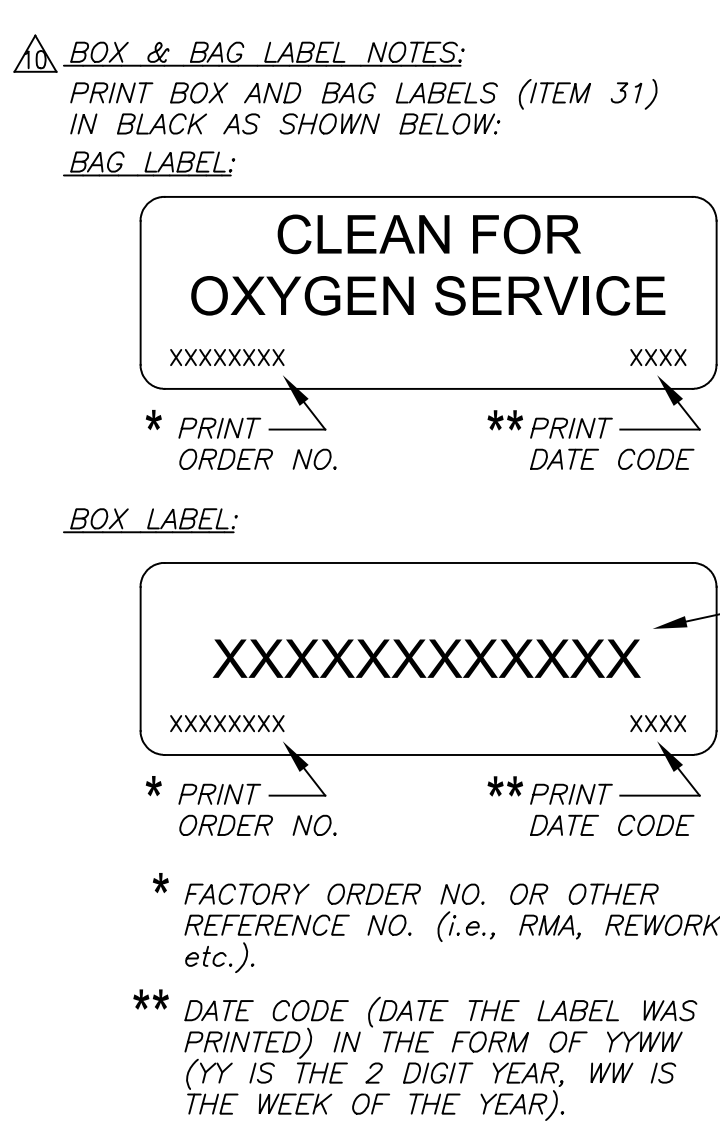
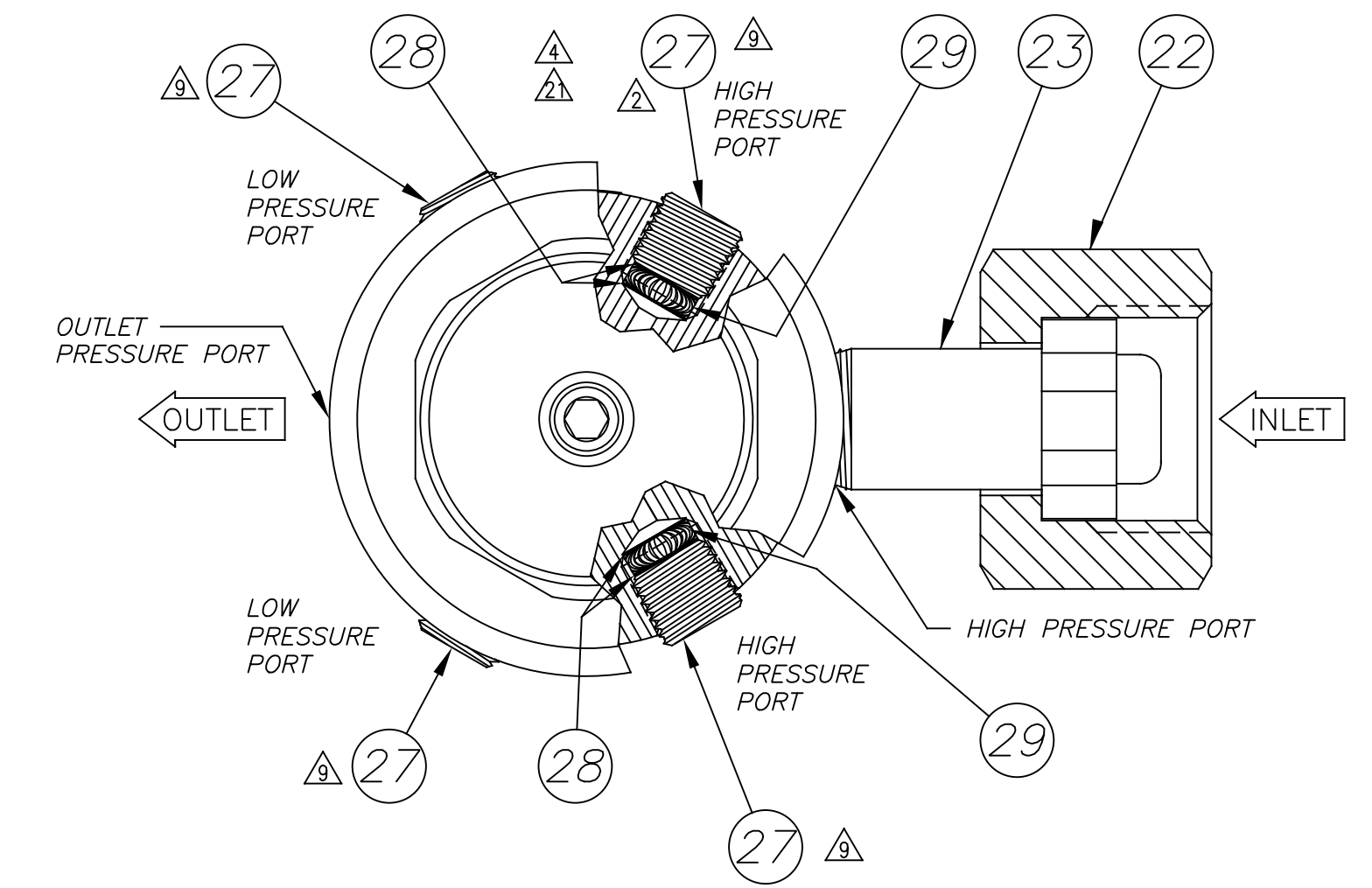
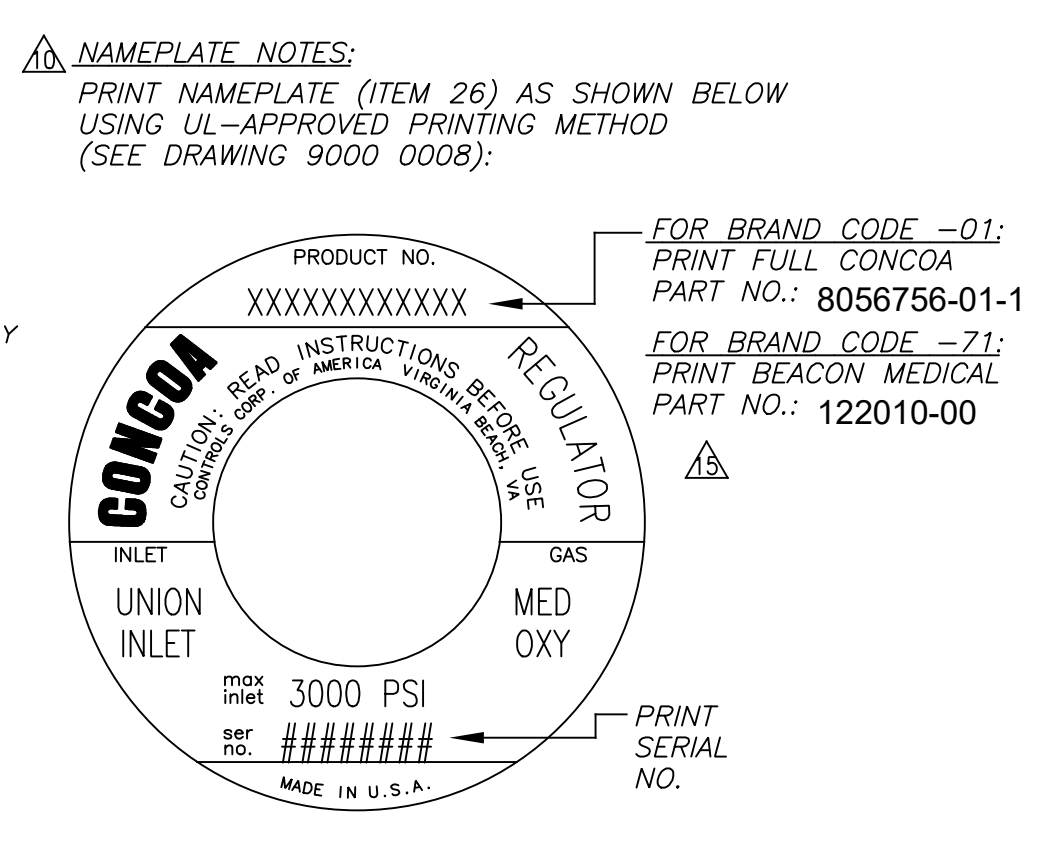
PART NO. 805 6755  
 CONTAINS: 8056755-01-1 & 8056755-71-1  
 ISSUING REFERENCE DOCUMENT # SPR 0301-005

NO	ECN NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED
0	01-0326	ISSUED	AEW	3/27/2001	
1	01-0393	CHANGED NAMEPLATE STAMPING, REMOVED TUBE FITTING FROM INLET IN TOP VIEW	AEW	5/3/2001	R. Cooper 5/2/2001
2	01-0491	PRODUCT NO. ON NAMEPLATE "122012-08" WAS "805 6755"; ADDED NOTE 15	AEW	6/27/2001	J. Friedrichs 6/26/2001
3	01-0514	ADDED NOTE 16	AEW	8/13/2001	J. Friedrichs 8/3/2001
4	01-0787	ADDED UL LABEL	AEW	12/11/2001	R. Cooper 12/4/2001
5	02-0086	REMO "AND RETAINER" FROM NOTE 4, UPDATED NOMENCLATURE/WORKING	AEW	3/14/2002	A. Whitaker 2/28/2002
6	02-0341	BEACON PART NUMBER WAS "122012-08"	AEW	6/18/2002	A. Whitaker 6/14/2002
7	02-0454	ITEM 15 WAS "830 6008"; ITEM 5 WAS "830 6141"; STATIC WAS TOPSEAL SEAT LUBRICANT WAS KRYTOX	AEW	7/1/2002	R. Cooper 6/27/2002
8	02-0643	ITEM 6 "830 8300" WAS "830 5347" ADDED STAINLESS STEEL TO ITEM 6 DESCRIPTION	JRF	9/5/2002	J. Friedrichs 9/5/2002
9	04-092	PRINTABLE NAMEPLATE WAS STAMPABLE # 830 6227	AEW	2/6/2004	J. Friedrichs 2/5/2004
10	04-229	IN NOTE 12 REF TO NOTE 23 WAS TO NOTE 26	AEW	4/12/2004	J. Friedrichs 3/26/2004
11	04-945	REMOVED TORQUE TO 18-28 FT-LBS FROM THE PIPE PLUGS (4 PLACES)	AEW	1/25/2005	J. Friedrichs 1/20/2005
12	05-812	ADDED PRG NOTE & PARTS & BOX LABEL NOTES. NOTED BRAND CODE -71	AEW	9/28/2006	A. Whitaker 9/21/2006
13	07-328	ADDED NOTE ABOUT CUSTOMER'S USE OF PRODUCT IN CO2 SERVICE	AEW	3/5/2008	J. Pearson 3/5/2008
14	08-607	PRODUCT WAS BUBBLE WRAPPED BEFORE BEING SEALED IN POLY BAG INSTEAD OF AFTER	AEW	12/10/2008	A. Whitaker 12/8/2008
15	11-308	Changed references to "Polycarbon 700 Series Oxygen Compatible Oil" to "Krytox ..."	AEW	1/19/2012	A. Whitaker 1/ 6/2012
16	14-428	Issued brand code -01 model per SPR 1412-003	AEW	12/22/2014	A. Whitaker 12/22/2014
17	15-014	Changed lubricants to "per drawing 8359080"	RAZ	5/8/2015	R. Zang 5/8/2015
18	15-149	CHANGED LABEL INFO TO INCLUDE BOTH LABELS REQUIRED (ITEMS 27 & 31)	RAZ	6/2/2015	R. Zang 6/2/2015
19	18-275	Added Prop 65 Warning Label.	AEW	5/28/2019	A. Whitaker 5/24/2019
20	22-091	Deleted UL label 830 3180 from product.	AEW	4/7/2022	A. Whitaker 3/31/2022

10 9 8 7 6 5 4 3 2 1



- NOTES:**
- SEAL ALL PIPE THREADS WITH PTFE TAPE.
  - INSERT FILTER (ITEM 17) INTO INLET PORT USING PROPER INSERTION TOOL. SCREEN MUST BE DOME AS SHOWN IN THE VIEW ABOVE.
  - TORQUE RETAINER (ITEM 15) TO 35-42 FT-LBS (420-500 IN-LBS).
  - AFTER ASSEMBLING PERIPHERALS INTO BODY (ITEM 1), BLOW OUT BODY THOROUGHLY WITH CLEAN COMPRESSED AIR OR DRY NITROGEN TO REMOVE ANY LOOSE CHIPS IN THE BODY.
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  - LUBRICATE REAR PLUG O-RING (ITEM 18) WITH LUBRICANT PER DRAWING 8359080.
  - LUBRICATE BALANCED STEM BACK-UP RING (ITEM 2) AND O-RING (ITEM 3) WITH LUBRICANT PER DRAWING 8359080.
  - LUBRICATE DIMPLE OF SPRING BUTTON (ITEM 11) WITH LUBRICANT PER DRAWING 8359080.
  - LUBRICATE DIAPHRAGM SEALING SURFACE OF BONNET WITH LUBRICANT PER DRAWING 8359080.
  - THE BONNET DOME (ITEM 24), BONNET (ITEM 9) AND THEIR INTERNAL COMPONENTS (ITEMS 10, 11, 12, 13, 14, & 25) ARE EXPOSED TO 50 PSI OXYGEN. THESE PARTS ARE TO BE VISIBLY CLEAN WITH NO VISIBLE HYDROCARBON OILS OR PARTICULATES.
  - TORQUE BONNET (ITEM 9) TO 50 FT-LBS MINIMUM.
  - TORQUE DOME (ITEM 24) TO BONNET (ITEM 9) HAND TIGHT BY THREADING DOME ONTO BONNET UNTIL THERE IS RESISTANCE, THEN TIGHTEN BY HAND UNTIL DOME STOPS AGAINST BONNET, APPROXIMATELY ONE FULL TURN.
  - TEST IN ACCORDANCE WITH TEST PROCEDURE #1950, USING THE FOLLOWING PARAMETERS:  
ORIFICE SIZE ----- #72 (#.025)  
INLET PRESSURE ----- 1800-2800 PSI  
STATIC INCREMENT ----- 10 PSI MAX.  
5 MINUTE CREEP TEST REQUIRED.  
GUARANTEED DELIVERY PRESSURE IS 250 PSI MINIMUM.  
SHIP REGULATOR WITH SET SCREW BACKED OUT. AFTER TESTING, PLACE A DROP OF NAIL POLISH AT THE JOINT OF THE REAR PLUG AND BODY. ALSO PLACE A DROP OF NAIL POLISH AT THE BODY AND BONNET JOINT.
  - LIGHTLY LUBRICATE ITEM 5 WITH WATER PRIOR TO ASSEMBLY OF THE NOZZLE.



- PACKAGING NOTES:**
- SEAL WRAPPED ASS'Y IN POLY BAG (ITEM 34).
  - APPLY PROP 65 LABEL (ITEM 36), BAG LABEL (ITEM 31), & MP 500 LABEL (ITEM 35) TO POLY BAG.
  - WRAP REGULATOR ASS'Y WITH BUBBLE WRAP (ITEM 33), AND TAPE DOWN EDGE OF WRAP.
  - PLACE BAGGED PRODUCT INTO PLAIN WHITE CARTON (ITEM 32), AND CLOSE THE CARTON.
  - APPLY BOX LABEL (ITEM 31).

REVISIONS				
NO	ECN NUMBER	DESCRIPTION	INITIALS	DATE
0	01-0327	ISSUED	AEW	3/27/2001
1	01-0392	CHANGED NAMEPLATE STAMPING	AEW	5/3/2001
2	01-0492	PRODUCT NO. ON NAMEPLATE "122010-00" WAS "805 6756". ADDED NOTE 17	AEW	6/27/2001
3	01-0514	ADDED NOTE 18, BONNET SEALING LUBRICANT "KRYTOX" WAS "HALOCARBON 700 SERIES"	AEW	8/13/2001
4	01-0787	ADDED UL LABEL	AEW	12/11/2001
5	02-0086	REMOVED "AND RETAINER" FROM NOTE 4, UPDATED NOMENCLATURE/WORKING	AEW	3/14/2002
6	02-0454	ITEM 15 WAS "830 6008", ITEM 5 WAS "830 6141", STATIC WAS 10PSI, SEAT LUBRICANT WAS KRYTOX	AEW	7/2/2002
7	02-0643	ITEM 6 "830 8390" WAS "830 5347" ADDED "STAINLESS STEEL" TO ITEM 6 DESCRIPTION	JRF	9/5/2002
8	04-092	PRINTABLE NAMEPLATE WAS STAMPABLE # 830 6227	AEW	2/6/2004
9	04-945	REMOVED "TORQUE TO 18-28 FT-LBS" FROM THE PIPE PLUGS (4 PLACES)	AEW	1/25/2005
10	05-812	ADDED PKG NOTE & PARTS & BOX LABEL NOTES, NOTED BRAND CODE -71	AEW	9/29/2006
11	07-211	ADDED NOTE ABOUT BLOWING OFF THE DIAPHRAGM & CHECKING FOR DOME LEAKS	AEW	5/22/2007
12	07-328	NOTED THAT ITEM 21 MAY NOT BE CHANGED WITHOUT CUSTOMER PERMISSION	AEW	3/5/2008
13	08-607	PRODUCT WAS BUBBLE WRAPPED BEFORE BEING SEALED IN POLY BAG INSTEAD OF AFTER	AEW	12/10/2008
14	11-308	Changed reference to "Halocarbon 700 Series Oxygen Compatible Oil" to "Krytox ..."	AEW	1/19/2012
15	14-428	Issued brand code -01 model per SPR 1412-003	AEW	12/22/2014
16	15-014	Changed lubricants to "per drawing 8359080"	RAZ	5/8/2015
17	15-149	CHANGED LABEL INFO TO INCLUDE BOTH LABELS REQUIRED (ITEMS 31 & 35)	RAZ	6/2/2015
18	18-275	Added Prop 65 Warning Label.	AEW	5/28/2019
19	20-118	Added detail for dome installation	RLB	4/22/2020
20	20-118	Restored notes 14, 15, and 16	RLB	4/24/2020
21	22-091	Deleted UL label 830 3180 from product.	AEW	4/7/2022

NO	DESCRIPTION	QTY	MATERIAL / SIZE
36	830 9944	1	LABEL, PROP 65 WARNING
35	830 9938	1	LABEL, MP500 1x3IN
34	9905 1024	1	POLY BAG
33	9904 8053	AS REQD	BUBBLE WRAP
32	9903 9092	1	CARTON
31	9901 6312	2	LABEL, FOR BOX & CLEANING LABELS
29	830 4060	2	FILTER, GLASS WOOL
28	830 4052	4	SCREEN, 1/4 NPT PORT
27	9225 0008	4	PIPE PLUG, BRASS (1/4 NPT)
26	830 7238	1	NAMEPLATE
25	830 5334	1	O-RING, DOME SEAL (VITON)
24	830 5472	1	DOME, BRASS
23	829 1839	1	GLAND, INLET (UNION)
22	829 1840	1	NUT, INLET (UNION)
21	830 6236	1	CAUTION LABEL "CAUTION: NOT FOR N2O/CO2"
20	830 5453	1	SPRING, MARGINAL
19	830 5476	1	PLUG, REAR BODY
18	830 5474	1	O-RING, PLUG SEAL (VITON)
17	830 7748	1	FILTER, INLET
16	830 5830	1	O-RING, RETAINER SEAL (TEFLON)
15	830 0413	1	RETAINER, BRASS
14	830 5968	1	DIAPHRAGM PLATE (MACHINED BRASS)
13	830 4960	1	SPRING, BOOSTER
12	830 4101	1	SPRING, ADJUSTING
11	830 4095	1	SPRING BUTTON
10	830 5355	1	SET SCREW, 1/2"-20 x 1" LONG
9	830 6491	1	BONNET, BRASS (WITH DOME THREAD)
8	830 5569	1	DIAPHRAGM, C-SIZE RUBBER
7	830 4897	1	CAP, PIN
6	830 9390	1	PIN, STAINLESS STEEL
5	830 0319	1	SEAT, 90 DUROMETER VITON
4	830 5343	1	SEAT HOLDER, BRASS
3	830 5332	1	O-RING, BALANCED STEM SEAL (VITON)
2	830 5333	1	BACK-UP RING, TEFLON
1	830 6246	1	BODY, BRASS

SCALE: APPROX. 2:1

THIRD ANGLE PROJECTION

TOLERANCE UNLESS OTHERWISE SPEC'D DIMENSIONS ARE IN INCHES DR & TOL PER ASH 174.3

FINISH:  $\phi$

XXX DECIMALS:  $\pm .005$

XX DECIMALS:  $\pm .010$

FRACTIONS:  $\pm 1/64$

ANGLES:  $\pm 2'$

FILLET RADIUS: R 1/64

BREAK EDGES: .002-.010

CASE NUMBER: 0A389

DESIGNED BY: A. Whitaker 3/27/2001

DESIGN ENGINEER: J. Friedrichs 3/26/2001

MANUFACTURING ENG: M. Wilson 3/26/2001

QUALITY ASSURANCE: E. Filomarin 3/27/2001

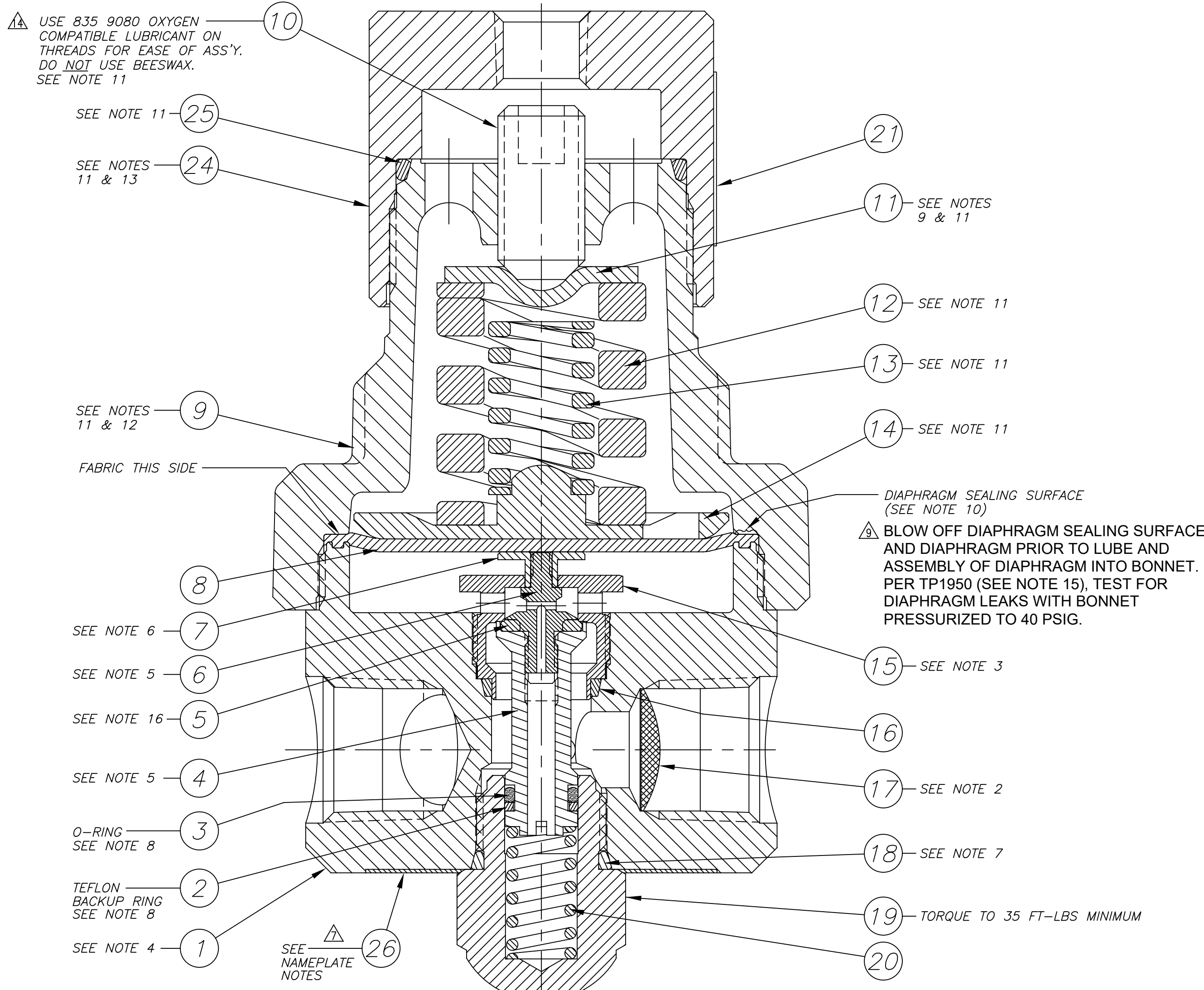
CONTROL CORPORATION OF AMERICA  
PRODUCT ENGINEERING DEPARTMENT  
VIRGINIA BEACH, VA 23454

805 6756  
CONTAINS:  
8056756-01-1 &  
8056756-71-1

REG, DMLD\_BRS\_16UNIN  
\_250PSI\_8NPTF

ISSUING REFERENCE DOCUMENT #  
SPR 0301-004

H  
C  
F  
E  
D  
C  
B  
A



USE 835 9080 OXYGEN COMPATIBLE LUBRICANT ON THREADS FOR EASE OF ASS'Y. DO NOT USE BEESWAX. SEE NOTE 11

SEE NOTE 11  
 SEE NOTES 11 & 13

SEE NOTES 11 & 12  
 FABRIC THIS SIDE

SEE NOTE 6  
 SEE NOTE 5

SEE NOTE 16  
 SEE NOTE 5

O-RING  
 SEE NOTE 8

TEFLON BACKUP RING  
 SEE NOTE 8

SEE NOTE 4  
 SEE NAMEPLATE NOTES

SEE NOTES 9 & 11

SEE NOTE 11

SEE NOTE 11

SEE NOTE 11

DIAPHRAGM SEALING SURFACE (SEE NOTE 10)

BLOW OFF DIAPHRAGM SEALING SURFACE AND DIAPHRAGM PRIOR TO LUBE AND ASSEMBLY OF DIAPHRAGM INTO BONNET. PER TP1950 (SEE NOTE 15), TEST FOR DIAPHRAGM LEAKS WITH BONNET PRESSURIZED TO 40 PSIG.

SEE NOTE 3

SEE NOTE 2

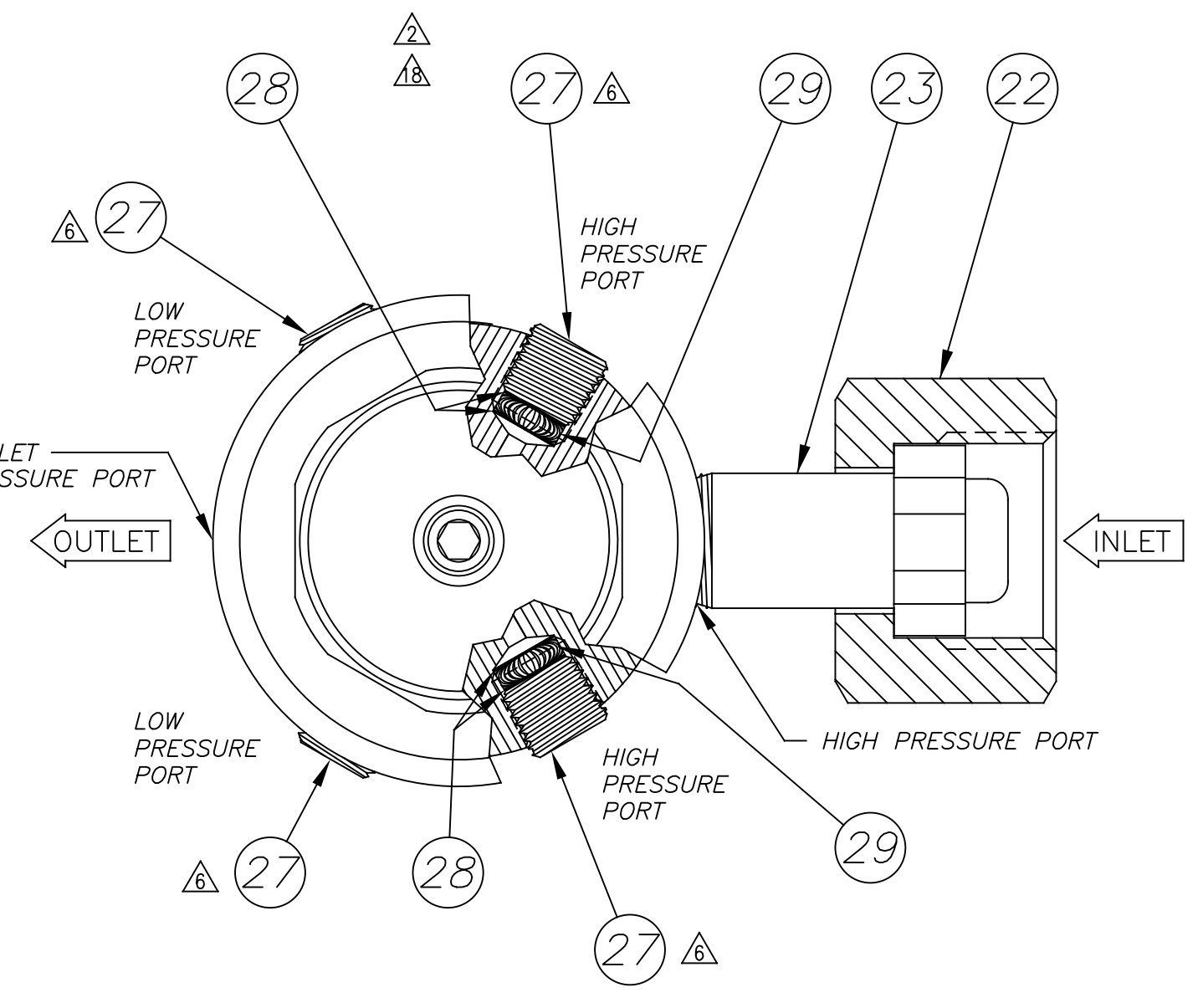
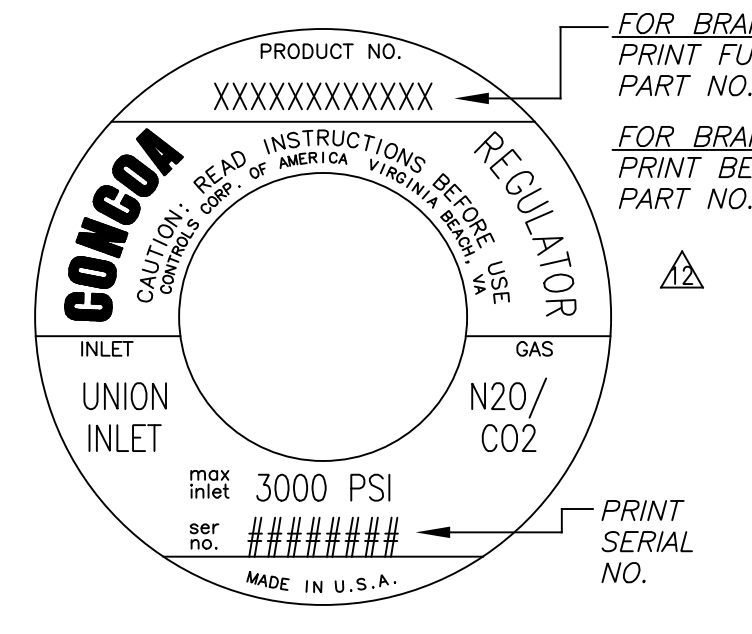
SEE NOTE 7

TORQUE TO 35 FT-LBS MINIMUM

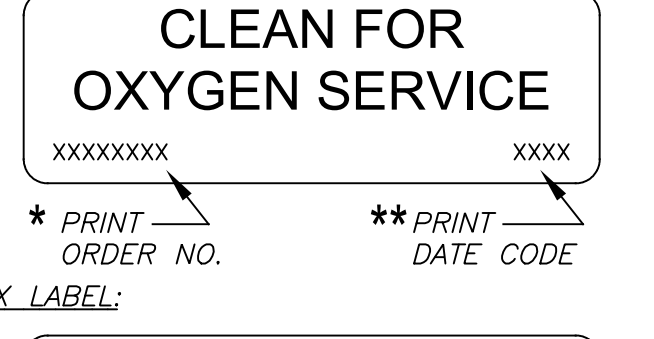
- NOTES:**
- SEAL ALL PIPE THREADS WITH PTFE TAPE.
  - INSERT FILTER (ITEM 17) INTO INLET PORT USING PROPER INSERTION TOOL. SCREEN MUST BE DOME AS SHOWN IN THE VIEW ABOVE.
  - TORQUE RETAINER (ITEM 15) TO 35-42 FT-LBS (420-500 IN-LBS).
  - AFTER ASSEMBLING PERIPHERALS INTO BODY (ITEM 1), BLOW OUT BODY THOROUGHLY WITH CLEAN COMPRESSED AIR OR DRY NITROGEN TO REMOVE ANY LOOSE CHIPS IN THE BODY.
  - SCREW PIN (ITEM 6) INTO SEAT HOLDER (ITEM 4) USING A TORQUE OF 13-17 IN-LBS.
  - TORQUE PIN CAP (ITEM 7) TO 3-5 IN-LBS.
  - LUBRICATE REAR PLUG O-RING (ITEM 18) WITH O2 COMPATIBLE GREASE PER DWG 8359080.
  - LUBRICATE BALANCED STEM BACK-UP RING (ITEM 2) AND O-RING (ITEM 3) WITH OXYGEN COMPATIBLE GREASE PER DWG 8359080 PRIOR TO ASSEMBLY.
  - LUBRICATE DIMPLE OF SPRING BUTTON (ITEM 11) WITH OXYGEN COMPATIBLE LUBRICANT PER DWG 8359080. DO NOT USE LITHIUM GREASE OR BEESWAX.
  - LUBRICATE DIAPHRAGM SEALING SURFACE OF BONNET (ITEM 9) WITH O2 COMPATIBLE LUBRICANT PER DWG 8359080.

- THE BONNET DOME (ITEM 24), BONNET (ITEM 9) AND THEIR INTERNAL COMPONENTS (ITEMS 10, 11, 12, 13, 14, & 25) ARE EXPOSED TO 50 PSI OXYGEN. THESE PARTS ARE TO BE VISIBLY CLEAN WITH NO VISIBLE HYDROCARBON OILS OR PARTICULATES.
- TORQUE BONNET (ITEM 9) TO 50 FT-LBS MINIMUM.
- TORQUE DOME (ITEM 24) TO BONNET (ITEM 9) HAND TIGHT BY THREADING DOME ONTO BONNET UNTIL THERE IS RESISTANCE, THEN TIGHTEN BY HAND UNTIL DOME STOPS AGAINST BONNET, APPROXIMATELY ONE FULL TURN.
- TORQUE DOME (ITEM 24) TO BONNET (ITEM 9) HAND TIGHT BY THREADING DOME ONTO BONNET UNTIL THERE IS RESISTANCE, THEN TIGHTEN BY HAND UNTIL DOME STOPS AGAINST BONNET, APPROXIMATELY ONE FULL TURN.
- TEST IN ACCORDANCE WITH TEST PROCEDURE #1950. USING THE FOLLOWING PARAMETERS:  
 ORIFICE SIZE ----- #72 (#.025)  
 INLET PRESSURE ----- 1800-2800 PSI  
 STATIC INCREMENT ----- 10 PSI MAX.  
 5 MINUTE CREEP TEST REQUIRED.  
 GUARANTEED DELIVERY PRESSURE IS 250 PSI MINIMUM.  
 SHIP REGULATOR WITH SET SCREW BACKED OUT. AFTER TESTING, PLACE A DROP OF NAIL POLISH AT THE JOINT OF THE REAR PLUG AND BODY. ALSO PLACE A DROP OF NAIL POLISH AT THE BODY AND BONNET JOINT.
- LIGHTLY LUBRICATE ITEM 5 WITH WATER PRIOR TO ASSEMBLY OF THE NOZZLE.

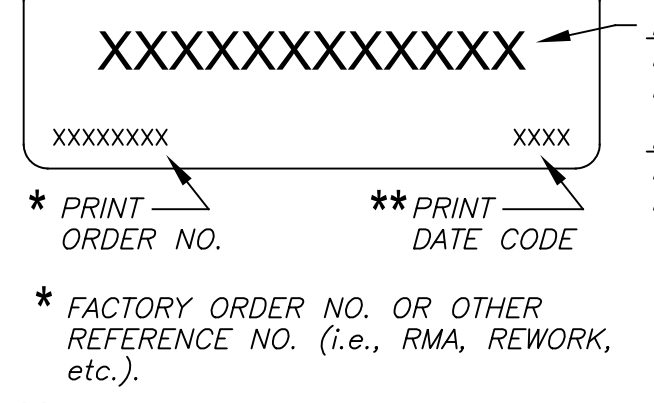
**NAMEPLATE NOTES:**  
 PRINT NAMEPLATE (ITEM 26) AS SHOWN BELOW USING UL-APPROVED PRINTING METHOD (SEE DRAWING 9000 0008):



**BOX & BAG LABEL NOTES:**  
 PRINT BOX AND BAG LABELS (ITEM 31) IN BLACK AS SHOWN BELOW:  
**BAG LABEL:**



**PACKAGING NOTES:**  
 1. SEAL WRAPPED ASS'Y IN POLY BAG (ITEM 34).  
 2. APPLY PROP 65 LABEL (ITEM 36), BAG LABEL (ITEM 31), & MP 500 LABEL (ITEM 35) TO POLY BAG.  
 3. WRAP REGULATOR ASS'Y WITH BUBBLE WRAP (ITEM 33), AND TAPE DOWN EDGE OF WRAP.  
 4. PLACE BAGGED PRODUCT INTO PLAIN WHITE CARTON (ITEM 32), AND CLOSE THE CARTON.  
 5. APPLY BOX LABEL (ITEM 31).



\* FACTORY ORDER NO. OR OTHER REFERENCE NO. (i.e., RMA, REWORK, etc.).  
 \*\* DATE CODE (DATE THE LABEL WAS PRINTED) IN THE FORM OF YYWW (YY IS THE 2 DIGIT YEAR, WW IS THE WEEK OF THE YEAR).

REVISONS					
NO	ECN NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED
0	01-0497	ISSUED PER SPR 0601-006	AEW	6/27/2001	
1	01-0514	ADDED NOTE 18, BONNET SEALING LUBRICANT "KRYTOX" WAS "HALOCARBON 700 SERIES"	AEW	8/13/2001	J. Friedrichs 8/13/2001
2	01-0787	ADDED UL LABEL	AEW	12/11/2001	R. Cooper 12/4/2001
3	02-0086	REMOVED "AND RETAINER" FROM NOTE 4, UPDATED NOMENCLATURE/WORING	AEW	3/14/2002	A. Whitaker 2/28/2002
4	02-0643	ITEM 6 WAS "830 5347" ADDED "STAINLESS STEEL" TO ITEM 6 DESCRIPTION, UPDATED TITLE AND STATIC	JRF	9/5/2002	J. Friedrichs 9/5/2002
5	04-092	PRINTABLE NAMEPLATE WAS STAMPABLE # 830 6227	AEW	2/6/2004	J. Friedrichs 2/5/2004
6	04-945	REMOVED TORQUE TO 18-28 FT-LBS FROM THE PIPE PLUGS (4 PLACES)	AEW	1/25/2005	J. Friedrichs 1/20/2005
7	05-812	ADDED PKG NOTE & PARTS & BOX LABEL NOTES, NOTED BRAND CODE -71	AEW	9/29/2006	A. Whitaker 9/21/2006
8	07-032	SEAT WAS LUBRICATED WITH KRYTOX	AEW	1/16/2007	J. Friedrichs 1/15/2007
9	07-211	ADDED NOTE ABOUT BLOWING OFF THE DIAPHRAGM & CHECKING FOR LOOSE LEAKS	AEW	5/22/2007	A. Whitaker 5/16/2007
10	08-607	PRODUCT WAS BUBBLE WRAPPED BEFORE BEING SEALED IN POLY BAG INSTEAD OF AFTER	AEW	12/10/2008	A. Whitaker 12/8/2008
11	11-308	Changed references to "Halocarbon 700 Series Oxygen Compatible Oil" to "Krytox ..."	AEW	1/19/2012	A. Whitaker 1/ 6/2012
12	14-428	Issued brand code -01 model per SPR 1412-003	AEW	12/22/2014	A. Whitaker 12/22/2014
13	15-149	CHANGED LABEL INFO TO INCLUDE BOTH LABELS REQUIRED (ITEMS 31 & 35)	RAZ	6/2/2015	R. Zang 6/2/2015
14	15-146	LUBRICANT PER DWG 8359080 WAS "KRYTOX GPL 206"	ARL	2/29/2016	J. Friedrichs 2/2/2016
15	18-275	Added Prop 65 Warning Label.	AEW	5/28/2019	A. Whitaker 5/24/2019
16	20-118	Added detail for dome installation	RLB	4/22/2020	R. Beacham 4/22/2020
17	20-138	Restore language in notes 14, 15, and 16	RLB	4/24/2020	R. Beacham 4/24/2020
18	22-091	Deleted UL label 830 3180 from product.	AEW	4/7/2022	A. Whitaker 3/31/2022
19	22-325	Description "EPDM" for seat was "CHLOROPRENE".	AEW	10/31/2022	A. Whitaker 10/25/2022

36	830 9944	1	LABEL, PROP 65 WARNING
35	830 9938	1	LABEL, MP500 1x3IN
34	9905 1024	1	POLY BAG
33	9904 8053	1	BUBBLE WRAP
32	9903 9092	1	CARTON
31	9901 6312	2	LABEL, FOR BOX & CLEANING LABELS
29	830 4060	2	FILTER, GLASS WOOL
28	830 4052	4	SCREEN, 1/4 NPT PORT
27	9225 0008	4	PIPE PLUG, BRASS (1/4 NPT)
26	830 7238	1	NAMEPLATE
25	830 5334	1	O-RING, DOME SEAL (VITON)
24	830 5472	1	DOME, BRASS
23	829 1839	1	GLAND, INLET (UNION)
22	829 1840	1	NUT, INLET (UNION)
21	830 6235	1	CAUTION LABEL "CAUTION: N2O/CO2 ONLY"
20	830 5453	1	SPRING, MARGINAL
19	830 5476	1	PLUG, REAR BODY
18	830 5474	1	O-RING, PLUG SEAL (VITON)
17	830 7748	1	FILTER, INLET
16	830 5830	1	O-RING, RETAINER SEAL (PTFE)
15	830 6008	1	RETAINER, BRASS
14	830 5968	1	DIAPHRAGM PLATE (MACHINED BRASS)
13	830 4960	1	SPRING, BOOSTER
12	830 4101	1	SPRING, ADJUSTING
11	830 4095	1	SPRING BUTTON
10	830 5355	1	SET SCREW, 1/2"-20 x 1" LONG
9	830 6491	1	BONNET, BRASS (WITH DOME THREAD)
8	830 5569	1	DIAPHRAGM, C-SIZE RUBBER
7	830 4897	1	CAP, PIN
6	830 9390	1	PIN, STAINLESS STEEL
5	830 4880	1	SEAT, EPDM
4	830 5343	1	SEAT HOLDER, BRASS
3	830 5332	1	O-RING, BALANCED STEM SEAL (VITON)
2	830 5333	1	BACK-UP RING, PTFE
1	830 6246	1	BODY, BRASS

SCALE: APPROX. 2:1 TITLE BLOCK REVISION: #7 REVISED DATE: 1/31/2003 FILE NO: 8056757.dwg WORK USED: FOR BEACON MEDICAL CASE NUMBER: 0A389	THIRD ANGLE PROJECTION TOLERANCE UNLESS OTHERWISE SPEC'D: DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPEC'D FINISH: $\phi$ FRACTIONS: $\pm 1/64$ ANGLES: $\pm 2'$ FILLET RADI: R 1/64 BREAK EDGES: .002-.010 DESIGN ENGINEERING: J. Friedrichs 6/26/2001 MANUFACTURING ENG: M. Wilson 6/27/2001 QUALITY ASSURANCE: E. Filomarino 6/27/2001	DRAWN BY: A. Whitaker 6/27/2001 CONTROL CORP. OF AMERICA PRODUCT ENGINEERING DEPARTMENT VIRGINIA BEACH, VA 23454 PART NO.: 805 6757 CONTAINS: 8056757-01-1 & 8056757-71-1 ISSUING REFERENCE DOCUMENT # SPR 0601-006 SIZE: D
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**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: <u>Controls Corporation of America</u>	
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>	
Plant Locations: <u>See Above</u>	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges                  C Valves: all line valves                  D Expansion joints, flexible connections, and hose assemblies: all types                  E Strainers, filters, separators, and steam traps                  F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters                  G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>4x burst test - renewing existing CRN - no changes to design - to include pressures and temperatures</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div align="center">  </div>	<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input type="checkbox"/>                  Describe other:                  SEE ATTACHED</p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Previous file for 4x burst test - including spreadsheet showing all part numbers, pressure ranges, test results, and safety factors.</p>	

**Declaration:**

I, John Friedrichs (see note 3) employed by Controls Corporation of America and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]  
 Declared before me at CONCOA  
 This 20th day of NOVEMBER AD 2023  
 Commissioner of Oaths  
 Or Notary Public: (sign) Miriam Auran  
 (Affix Official seal to the right)

Use this space for the Official Seal  
 NOTARY PUBLIC  
 Commonwealth of Virginia  
 Reg. # 8028938  
 My Commission Expires 2/28/2026

<p align="center">This space for Regulatory Authority use.                  This registration must be revalidated after ten (10) years from the date of acceptance.</p>	
CRN: <u>OF1 1809.2 Rev1</u> FID#: <u>614</u> Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. 11/2016	<p align="center">Newfoundland Labrador</p> <p>Registered <u>OF 11809.20 Rev1</u>                  Date <u>Dec 5, 2023</u>                  Engineering and Inspection Services                  Registered by <u>[Signature]</u>                  UNDER THE AUTHORITY OF THE                  PUBLIC SAFETY ACT AND                  THE BOILER, PRESSURE VESSEL AND                  COMPRESSED GAS REGULATIONS</p> <p align="right">Sect 1.0 - Fittings Rev 2</p>

ATTN: KRISTINE TREPANIER  
ALBERTA BOILERS SAFETY ASSOCIATION  
9410 20 AVENUE  
EDMONTON AB T6N 0A4

**Date:** 02-Jan-2024  
**TSBC Account #:** 061644  
**TSBC Admin Number:** 103568  
**Canadian Registration Number:** 0F11809.21

### Re: Application for Design Registration

The design, as detailed in your Design Portal application Controls Corporation of America-2023-06253 for a Pressure Fitting is registered with the following notes and considerations:

<b>Registered To:</b>	Controls Corporation of America
<b>Project Name:</b>	Controls Corporation of America-2023-06253
<b>Drawing #:</b>	8056755,8056756,8056757 + cat pgs
<b>Drawing Revision:</b>	N/A

### Conditions of Registration:

(1)Fitting Registration Expiry Date: 06-Nov-2033 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

### Reviewer's Notes:

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

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

The Engineering Information Management Team

## REGISTRATION OF A PRESSURE FITTING DESIGN

December 8, 2023

ABSA  
9410-20 Avenue  
Edmonton, AB  
Canada  
T6N 0A4

**Attention: Kristine Trepanier**

**File Number: 100098**

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

**Item: Pressure Regulators**

**Catalog or Drawing: 8056755, 8056756, 8056757 & Product Catalogs**

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

**OF11809.23**

**Expiry Date: 2033-11-06**

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

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

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

Yours truly,



Athan Syrgiannis, P.Eng.

Codes and Standards Compliance

**Remarks:**

CRN renewal. No change to original scope.

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

Registration conditional upon compliance with the notes on the original registration.





December 19, 2023

ABSA  
9410 - 20 Avenue NW  
Edmonton, AB T6N 0A4

**Dear Kristine Trepanier,**

**Re: Reciprocal CRN Registration in Manitoba**

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

Your submission has been registered, as follows:

File Number: 74-R3712  
CRN: 0F11809.24  
Scope: 8056755,8056756,8056757 + cat pgs As Noted  
Manufacturer: CONTROLS CORPORATION OF AMERICA  
Expiry Date: 6 November 2033

Along with this letter is the invoice for registration.

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

Please contact [gasupport@gov.mb.ca](mailto:gasupport@gov.mb.ca) for any questions or concerns.

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



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

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

February 14, 2024

CONTROLS CORPORATION OF AMERICA  
1501 HARPERS RD  
VIRGINIA BEACH VA 23454

**Workorder Type:** Registration - Fitting(Conventional)  
**Workorder No:** 14182043  
**Your Reference No.:** PORTAL#2023 -S4745 - 2023-06253 - CRN#0F11809.2  
**Registered to:** CONTROLS CORPORATION OF AMERICA

Dear Kristine Trepanier,

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

CRN : 0F11809.25R1  
Main Design No.: 8056755, 8056756, 8056757, Product Catalogues  
Expiry Date: Nov 06, 2033

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

**Note:** 10-year renewal to exist registration.

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

Yours truly,

Ruiming You P,ENG  
Engineer, BPV  
Tel. : +1 416-734-3428  
Email : [ryou@tssa.org](mailto:ryou@tssa.org)

**STATUTORY DECLARATION**  
**Registration of Fittings**  
Single or Multiple Fitting Designs within one Fitting Category

I, John Friedrichs, Design Engineer Manager  
(name of applicant) (position title) (must be in a position of authority)  
of Controls Corporation of America  
(name of manufacturer)  
located at 1501 Harpers Road, Virginia Beach VA, 23454  
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with Proof=4 X Design PSI as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

**Quality Program Verification and Manufacturing Sites**

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	80X67XX Series	ISO 9001	ISO 9001:2015	11Dec2025	Perry Johnson Registrars, Inc.	1501 Harpers Road, VA Beach VA 23454
2.						

In support of this application, the following information, calculations and/or test data are attached:

Catalog Pages, Design Drawings and Test Reports

[Signature] (Signature of the Declarer)

10/12/2023 (Date)

DECLARED before me at Virginia Beach (city) in the State of VIRGINIA (province, territory, or state)

this 12th day of October, 2023 (Month) (Year)

(print) MIRIAM DURAN (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

02/28/26 (expiry date (mm/dd/yy))

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

Commissioner of Oaths / Notary Public in and for: State of Virginia (province, territory, or state)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category
CRN:
Registered Date:
Expiry Date: Nov. 6th, 2033
Signature: (Signature of the Administrator/SCO)
The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program REGISTERED C.R.N.: 0F11809.25R1 Signed: [Signature] Date: February 14, 2024. see listed documents in registration letter

**Table 1\*\* Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
See	Attached	Spreadsheet							

**Table 2 Additional Scope Information**

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example:
Series X Options

\*\* For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

Montréal, 15 janvier 2024.

KRISTINE TREPANIER  
ABSA  
9410 - 20 AVENUE  
EDMONTON AB  
CANADA T6N 0A4

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

Numéro de dossier : 944848  
Numéro(s) de dessin(s) : 8056755,8056756,8056757 + cat pgs  
0F11809.2

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

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0F11809.26**.

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

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

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

Salutations distinguées,

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

**Montréal**

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

Montréal, le 15 janvier 2024.

KRISTINE TREPANIER  
ABSA  
9410 - 20 AVENUE  
EDMONTON AB  
CANADA T6N 0A4

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

OUR REFERENCE : 944848  
Design number : 8056755,8056756,8056757 + cat pgs  
OF11809.2

**Subject: Design registration confirmation**

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F11809.26**.

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

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

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

Yours sincerely,

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

**Montréal**

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

Building Act (B-1.1)  
Regulation respecting pressure vessels (B-1.1, r. 6.1)  
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the [www.rbq.gouv.qc.ca/fittings-pv](http://www.rbq.gouv.qc.ca/fittings-pv).

## 1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	Renewing existing CRN file - no changes to	design, design temps, or design pressures
2		
3		
4		
5		

## 2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

### 2.1 Design

I, the undersigned, John Friedrichs Manager of Design Engineering  
(Name of the person in charge) (Title of the person in charge)

from Controls Corporation of Americ, located at 1501 Harpers Road, Virginia Beach, VA 23456  
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose  
or

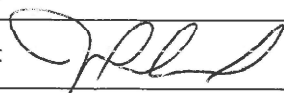
are not covered by the ANSI/ASME codes, but are in compliance with 4x burst test - renewal of existing CRN  
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

### 2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001:2015, and has been verified by Perry Johnson Registrars, Inc  
(Name of code) (Authorized agency)

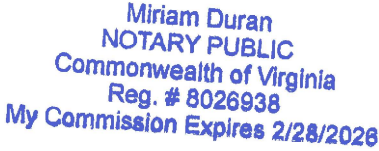
Signature of the person in charge:




Date (yyyy-mm-dd): 2023-11-13



### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at <u>CONCOA</u> , on <u>2023-11-20</u> (Location) (Date (yyyy-mm-dd)):	
Signature of commissioner for oaths: <u>Miriam Duran</u>	Date (yyyy-mm-dd): <u>2023-11-20</u>
Stamp the seal:  	

### 4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.	
This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.	
Canadian registration number (CRN):  The code of construction is ASME B31.3	Registration date (yyyy-mm-dd):  

#### Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

#### Sending the form

This declaration is mandatory in order to submit an application registration of fittings.

Application registration for fittings must only be sent by mail to this address:

Bureau d'expertise et d'homologation en équipements sous pression  
Régie du bâtiment du Québec  
545, boulevard Crémazie Est, 7<sup>e</sup> étage  
Montréal (Québec) H2M 2V2








**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: <u>Controls Corporation of America</u>		
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>		
Plant Locations: <u>See Above</u>		
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges                  C Valves: all line valves                  D Expansion joints, flexible connections, and hose assemblies: all types                  E Strainers, filters, separators, and steam traps                  F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters                  G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>4x burst test - renewing existing CRN - no changes to design - to include pressures and temperatures</p>	
<p><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <div align="center" style="border: 1px solid black; padding: 5px;">  </div>		<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input type="checkbox"/>                  Describe other:                  SEE ATTACHED</p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Previous file for 4x burst test - including spreadsheet showing all part numbers, pressure ranges, test results, and safety factors.</p>		

**Declaration:**

I, John Friedrichs (see note 3) employed by Controls Corporation of America and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at CONCOA

This 20th day of NOVEMBER AD 2023

Commissioner of Oaths

Or Notary Public: (sign) [Signature]

(Affix Official seal to the right)

Use this space for the Official Seal

Miriam Duren  
 NOTARY PUBLIC  
 Commonwealth of Virginia  
 Reg. # 60026-2  
 My Commission Expires 12/31/2025  
**BRUNSWICK**

---

DEPT OF JUSTICE PUBLIC SAFETY  
 BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN OF11809.27 Rev1

[Signature]  
 CHIEF BOILER INSPECTOR

DATE 12/1/23

Sect 1.0 - Fittings Rev.2

BLRs     PVs

FITTINGS     NUCLEAR COMPONENTS

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

CRN: OF11809.2 Rev1

FID#: 614

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2016


**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: <u>Controls Corporation of America</u>	
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>	
Plant Locations: <u>See Above</u>	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>4x burst test - renewing existing CRN - no changes to design - to include pressures and temperatures</p>
<p><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <div style="text-align: center;">  </div>	
<p><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other: <u>SEE ATTACHED</u></p>	
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Previous file for 4x burst test - including spreadsheet showing all part numbers, pressure ranges, test results, and safety factors.</p>	

**Declaration:**

I John Friedrichs (see note 3) employed by Controls Corporation of America and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at CONCOA

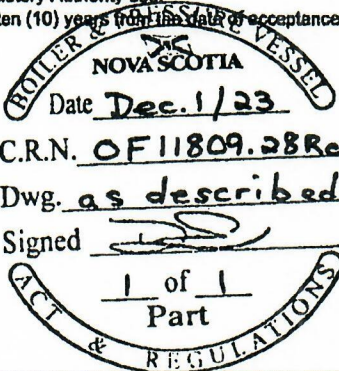
This 20th day of NOVEMBER AD 2023

Commissioner of Oaths

Or Notary Public: (sign) Therian Duren


(Affix Official seal to the right)

Use this space for the Official Seal  
 My Commission Expires 2/28/2028  
 NOTARY PUBLIC  
 Commonwealth of Virginia  
 Reg. # 8026838

<p align="center">This space for Regulatory Authority use.</p> <p align="center">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F11809.2 Rev1</u></p> <p>FID#: <u>614</u></p> <p>Notes:</p> <ol style="list-style-type: none"> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>Quality Control programs shall be resubmitted for validation.</li> </ol> <p>11/2016</p>	<div style="text-align: center;">  </div> <p>Date <u>Dec. 1/23</u></p> <p>C.R.N. <u>0F11809.28 Rev.1</u></p> <p>Dwg. <u>as described</u></p> <p>Signed <u>[Signature]</u></p> <p align="center"><u>1 of 1</u> Part</p>
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**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

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

Manufacturers Name: <u>Controls Corporation of America</u>	
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>	
Plant Locations: <u>See Above</u>	
<p><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges; all flanges                  C Valves; all line valves                  D Expansion joints, flexible connections, and hose assemblies: all types                  E Strainers, filters, separators, and steam traps                  F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters                  G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p><b>Title of the Standard of Construction</b></p> <p>4x burst test - renewing existing CRN - no changes to design - to include pressures and temperatures</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div align="center">  </div>	<p><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input type="checkbox"/>                  Describe other:                  SEE ATTACHED</p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Previous file for 4x burst test - including spreadsheet showing all part numbers, pressure ranges, test results, and safety factors.</p>	

**Declaration:**

I John Friedrichs (see note 3) employed by Controls Corporation of America and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.


Signature of Declarer: [Signature]  
 Declared before me at CONCOA  
 This 20<sup>th</sup> day of NOVEMBER AD 2023  
 Commissioner of Oaths  
 Or Notary Public: (sign) Miriam Duren  
 (Affix Official seal to the right)

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

<p>This space for Regulatory Authority use.</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F11809.2 Rev1</u></p> <p>FID#: <u>614</u></p> <p>Notes:</p> <ol style="list-style-type: none"> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>Quality Control programs shall be resubmitted for validation.</li> </ol> <p>11/2016</p>	<p align="center"><b>ACCEPTED</b></p> <p align="center">PROVINCE OF PRINCE EDWARD ISLAND                  COMMUNITIES, LAND &amp; ENVIRONMENT</p> <p>C.R.N. <u>0F11809.29 REV1</u></p> <p>DATE: <u>Dec 1/23</u></p> <p align="center"><u>[Signature]</u>                  INSPECTION SERVICES SECTION                  BOILER/PRESSURE VESSEL BRANCH</p> <p align="right">Sect 1.0 - Fittings Rev.2</p>
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**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

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

Manufacturers Name: <u>Controls Corporation of America</u>	
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>	
Plant Locations: <u>See Above</u>	
<p><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges                  C Valves: all line valves                  D Expansion joints, flexible connections, and hose assemblies: all types                  E Strainers, filters, separators, and steam traps                  F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters                  G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements)</p>	<p><b>Title of the Standard of Construction</b></p> <p>4x burst test - renewing existing CRN - no changes to design - to include pressures and temperatures</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> 	<p><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input type="checkbox"/>                  Describe other:                  SEE ATTACHED</p>
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>Previous file for 4x burst test - including spreadsheet showing all part numbers, pressure ranges, test results, and safety factors.</p>	

**Declaration:**  
 I John Friedrichs (see note 3) employed by Controls Corporation of America and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]  
 Declared before me at CONCOA  
 This 20th day of NOVEMBER AD 2023  
 Commissioner of Oaths  
 Or Notary Public: (sign) Therian Owen  
 (Affix Official seal to the right)

Use this space for the Official Seal  
 Miriam Burkh  
 NOTARY PUBLIC  
 Commonwealth of Virginia  
 Reg. # 8026936  
 My Commission Expires 2/28/2028

<p>This space for Regulatory Authority Use.                  This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F11809.2 Rev1</u>                  FID#: <u>614</u></p> <p>Notes:</p> <ol style="list-style-type: none"> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>Quality Control programs shall be resubmitted for validation.</li> </ol> <p>11/2016</p>	<p><b>REGISTRED</b></p> <p>CRN <u>0F11809-2N Rev1</u>                  Date <u>2023-12-01</u>                  Signed <u>[Signature]</u>                  Chief Inspector</p> <p>SACT 1.0 - Fittings Rev.2</p>
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**Territorial Registration Fee**




**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

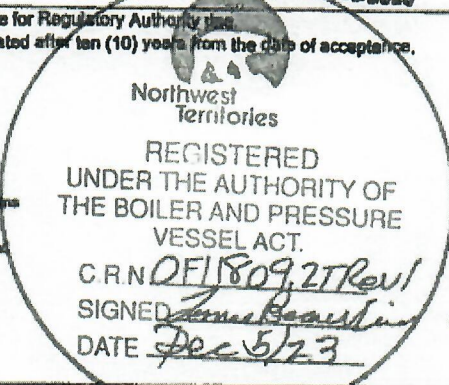
Newfoundland and Labrador

Manufacturers Name: <u>Controls Corporation of America</u>		
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>		
Plant Locations: <u>See Above</u>		
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>4x burst test - renewing existing CRN - no changes to design - to include pressures and temperatures</p>	
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div align="center">  </div>		<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other: <u>SEE ATTACHED</u></p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Previous file for 4x burst test - including spreadsheet showing all part numbers, pressure ranges, test results, and safety factors.</p>		

**Declaration:**  
 I, John Friedrichs (see note 3) employed by Controls Corporation of America and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]  
 Declared before me at CONCOA  
 This 20th day of NOVEMBER AD 2023  
 Commissioner of Oaths  
 Or Notary Public: (sign) Miriam Auren  
 (Affix Official seal to the right)

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

<p>CRN: <u>0F11809.2 Rev1</u></p> <p>FID#: <u>614</u></p> <p>Notes:</p> <ol style="list-style-type: none"> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>Quality Control programs shall be resubmitted for validation.</li> </ol> <p>11/2018</p>	<p align="center">                 This space for Regulatory Authority Use                  This registration must be revalidated after ten (10) years from the date of acceptance.             </p> <div align="center">  <p>Northwest Territories</p> <p>REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT.</p> <p>CRN <u>0F11809.2 Rev1</u></p> <p>SIGNED <u>[Signature]</u></p> <p>DATE <u>Dec 5/23</u></p> </div> <p align="right">Sect 1.0 - Fittings Rev.2</p>
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68.00


**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: <u>Controls Corporation of America</u>	
Manufacturers Address: <u>1501 Harpers Road, Virginia Beach, VA 23456</u>	
Plant Locations: <u>See Above</u>	
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**Declaration:**

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Signature of Declarer: [Signature]

Declared before me at CONCOA

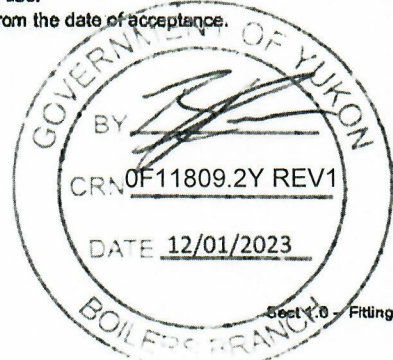
This 20<sup>th</sup> day of NOVEMBER AD 2023

Commissioner of Oaths

Or Notary Public: (sign) [Signature]

(Affix Official seal to the right)

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

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F11809.2 Rev1</u> FID#: <u>614</u> Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation.	 <p>GOVERNMENT OF YUKON                  BY <u>[Signature]</u>                  CRN: <u>0F11809.2Y REV1</u>                  DATE <u>12/01/2023</u>                  BOILERS BRANCH</p>
11/2016 <span style="float: right;">Sect 1.0 - Fittings Rev.2</span>	