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

January 11, 2017

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

Service Request Type.: BPV-National AB
Service Request No.: 1762976
Your Reference No.: CONCOA SYSTEMS
Registered to.: CONTROLS CORPORATION OF AMERICA

Dear JOHN FRIEDRICHS,

Please find enclosed the original response from AB, registered under the CRN No.:
ON REG -0H17950.5, AB REG- 0H17255.2.

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,

Joanna Karpinski

Tel: 416-734-3377
Fax: 416-231-6183
Email: jkarpinski@tssa.org

ABSA
the pressure equipment safety authority

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

November 25, 2016

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

Email: tfrancis@tssa.org

The design submission, tracking number 2016-02810, originally received on May 13, 2016 was surveyed and accepted for registration as follows:

CRN : 0H17255.2
Accepted on: November 25, 2016
Reg Type: New Design
Expiry Date: November 25, 2026
Drawing No. : 885 0038, ETC. Rev 0 As Noted
Fitting type: REGULATOR ASSEMBLIES

Design registered in the name of : CONTROLS CORPORATION OF AMERICA

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

- This registration also includes drawings 885 0039 Rev 0, 885 0040 Rev 0, and 885 0041 Rev 0.
- The indication of CRN 0H05215.52 on drawing 885 0038 is understood to be a typographical error, intended to indicate CRN 0H05216.52.
- Parts used shall be those listed on the Bill of Materials of each drawing and are understood to be registered under the listed CRN, which is understood to be valid in Alberta and unexpired, and suited to the design service conditions. It is not permissible to substitute equivalent parts not manufactured within the scope of the listed CRNs. I have struck out the corresponding note on each drawing permitting identical part substitutions.
- This equipment shall not be pneumatically tested in Alberta.

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.

Enclosed are stamped prints for your reference.

Sincerely,

BRANDON, GREG

Alberta
MUNICIPAL AFFAIRS

ABSA
the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

CONCOA
PRECISION GAS CONTROLS
www.CONCOA.com

I, John Friedrichs,

Supervisor of Design Engineering
(company title, e.g. vice president, plant manager, chief engineer) (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 (check 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 4x max pressure burst test H as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Intertek Services Corporation as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are ISO 9001

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

Drawings and burst test data attached.

DECLARED before me at Virginia Beach in the STATE of Virginia

this 2ND day of November, 2015
(Month) (Year)

(print) Marcus Taylor

(sign) _____
(A Commissioner for Oaths) #701552 EXP 31MAY 2018

_____
(Signature of Applicant)

For Office Use Only

See Acceptance Letter for the comments and/or conditions of registration.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category H, as noted

Registration Number: OH 17255 2

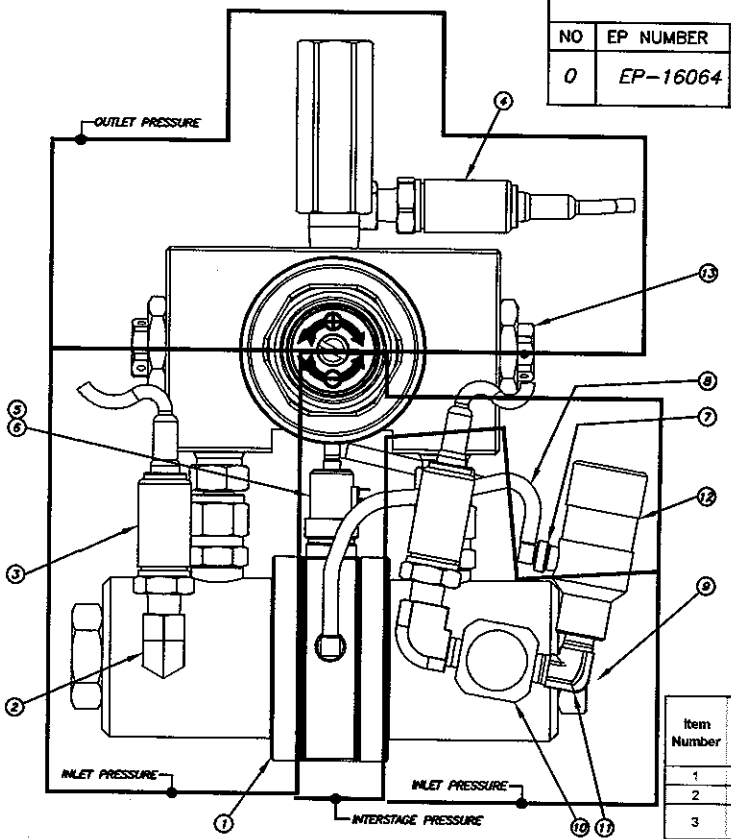
Date Registered: NOV 25 2016

_____
(For the Administrator/Chief Inspector of Alberta)

Expiry Date: NOV 25 2026

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 Boiler Discipline.

REVISIONS						PT NO
NO	EP NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED	885 0038
0	EP-16064	ISSUED FOR ABSA CRN SUBMISSION	JF	11/25/2016	----------	



ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. OH 17255.2

DWG. NO. or CAT. NO. ~~[illegible]~~ 885 0038 Rev 0, etc.

TYPE OF FITTINGS Regulator Assemblies

Accepted As NOTED

NOV 25 2016 INITIALS

Date

GREGORY E. BRANDON, P.Eng.
DESIGN SURVEY ENGINEER

See Acceptance Letter for the comments and/or conditions of registration.

Item Number	Part Number	Description	Material	Existing CRN Component Pressure Rating	Pressure In CONCOA Product	Existing CRN?
1	8050000	switch	BRASS, ASTM B-16, 36000	3000 psig	Inlet	CONCOA CRN [illegible]
2	8306616	elbow	BRASS, ASTM B-16, 36000	3500 psig	Inlet	CONCOA CRN OA17946.5
3	8309150-11	transducer	STAINLESS STEEL, 17-7	9790 psig	Inlet	OF17333.5; OF6726.4; CSA-OF1494.6; OF15348.2
4	8309150-12	transducer	STAINLESS STEEL, 17-7	9790 psig	Outlet	OF17333.5; OF6726.4; CSA-OF1494.6; OF15348.2
5	8309140-4	solenoid valve	BRASS, ASTM B-16 OR C37700	163 psig	Interstage	OA17946.5
6	8309140-11	solenoid valve	BRASS, ASTM B-16 OR C37700	163 psig	Interstage	OA17946.5
7	8309712	elbow	BRASS, ASTM B-16, 36000	120 psig	Interstage	CONCOA CRN OA17946.5
8	90800036	tubing	POLYURETHANE	120 psig	Interstage	OA17946.5
9	8350019	extension	BRASS, ASTM B-16, 36000	3500 psig	Inlet	CONCOA CRN OA17946.5
10	8030507	tee	BRASS, ASTM B-16, 36000	4500 psig	Inlet	CONCOA CRN OA17946.5
11	8308440	elbow	BRASS, ASTM B-16, 36000	4000 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2
12	80525XX	pilot reg	BRASS, ASTM B-16, 36000	3000 psig to 200 psig	Inlet / Interstage	CONCOA CRN OC17947.5
13	80500XX	line reg	BRASS, ASTM B-16, 36000	3000 psig to 200 psig	Inlet / Outlet	CONCOA CRN OC17947.5

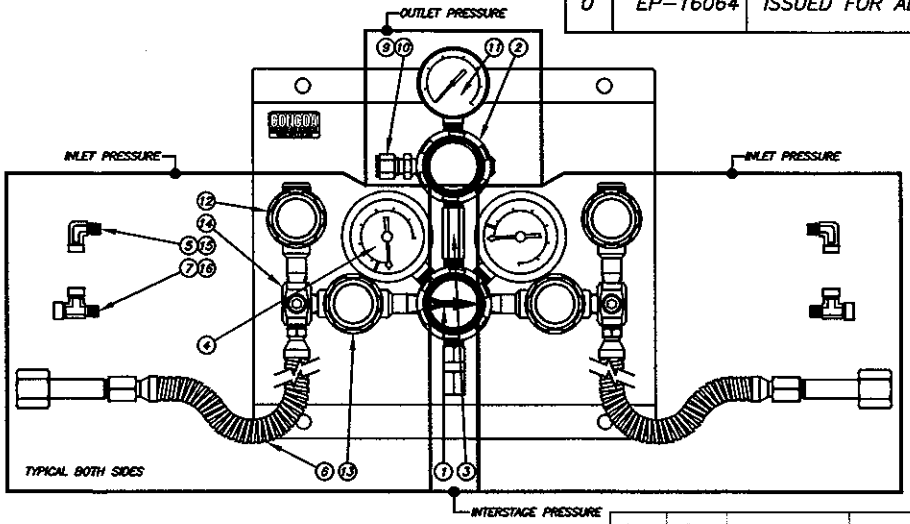
Inlet Section:
3000 psi @ -40°F to 140°F (3300 pneumatic leak test)
Using components 1, 2, 3, 9, 10, 11, 12, 13
Interstage Section:
90 psi @ -40°F to 140°F (99 pneumatic leak test)
Using components 5, 6, 7, 8, 12
Outlet Section:
200 psi @ -40°F to 140°F (220 pneumatic leak test)
Using components 4, 9, 13

Scope includes other products utilizing identical designs for high pressure and low pressure cavities (to include temp ranges, pressures and all other functional aspects)

SCALE: X	THIRD ANGLE PROJECTION	TOLERANCE UNLESS OTHERWISE SPEC'D DIMENSIONS ARE IN INCHES DIM. & TOL. PER ANSI Y14.5	DRAWN BY	ITEM / PART NO / SIZE / QTY / MATERIAL / DESCRIPTION	
TITLE BLOCK REVISION: #7	REVISION DATE: 1/31/2003	FINISH: 63	DESIGN ENGINEERING	CONCOA CONTROLS CORPORATION OF AMERICA PRODUCT ENGINEERING DEPARTMENT VIRGINIA BEACH, VA 23454	PART NO. 885 0038
CAD FILENAME: A.dwg		XXX DECIMALS: ±.005 XX DECIMALS: ±.010 FRACTIONS: ±1/64 ANGLES: ±2° FILLET RADII: R 1/64 BREAK EDGES: .002-.010	MANUFACTURING ENG	ABSA Control Drawing 538/539/640/642	ISSUING REFERENCE DOCUMENT # EP-16064 / SIZE A
WHERE USED: ABSA File		CAGE NUMBER ØA389	QUALITY ASSURANCE	TITLE	

REVISIONS					
NO	EP NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED
0	EP–16064	ISSUED FOR ABSA CRN SUBMISSION	JF	11/25/2016	

PT NO 885 0039



OH17255.2

NOV 25 2016

Item Number	Part Number	Description	Material	Existing CRN Component Pressure Rating	Pressure in CONCOA Produ	Existing CRN?
1	619 Series	Switch Regulator	BRASS, ASTM B-16, 36000	4500 psig to 500 psig	Inlet/Interstage	OH5216.5R1
2	491 Series	Line Regulator	BRASS, ASTM B-16, 36000	3000 psig to 500 psig	Interstage/Outlet	OH5216.5R1
3	8306335	pipe nipple	BRASS, ASTM B-16, 36000	4000 psig	Interstage	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
4(a)	8410674	pressure switch gauge	BRASS, ASTM B-16, 38500 STEM BRASS, ASTM B-103, 52100 TUBE	6000 psig	Inlet	OA17946.5
4(b)	5500309	gauge	BT: CUZN37 · SOCKET: BRASS	6000 psig	Inlet	WIKA CRN OF2026.2 or Ametek CRN 0F8241.5
4(c)	5500308	gauge	BT: CUZN37 · SOCKET: BRASS	4000 psig	Inlet	WIKA CRN OF2026.2 or Ametek CRN 0F8241.5
5	8306196	elbow	STAINLESS STEEL, ASTM A182 or A183 316	6600 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
6	529xxxx	pigtail	----------	----------	Inlet	Excluded from this listing
7	8305396	street tee	STAINLESS STEEL, ASTM A182 or A183 316	6600 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
9	5550220	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	6000 psig	Outlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
10	5500165	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	6000 psig	Outlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
11	5500305	gauge	BT: CUZN37 · SOCKET: BRASS	400 psig	Outlet	WIKA CRN OF2026.2 or Ametek CRN 0F8241.5
12	5333029	diaphragm valve	BRASS, ASTM B-16, 36000	3000 psig	Inlet	OH5216.5R1
13	5333229	diaphragm valve	BRASS, ASTM B-16, 36000	3000 psig	Inlet	OH5216.5R1
14	8030507	micro tee	STAINLESS STEEL, ASTM A276, 316L	4500 psig	Inlet	OA17946.5
15	8306195	elbow	BRASS, ASTM B283, 37700	3300 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
16	8305395	street tee	BRASS, ASTM B283, 37700	3300 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5

Inlet Section:
Option 1: 4500 psi @ -40°F to 140°F (4950 pneumatic leak test) Using components 1, 4a or 4b, 5, 7, and 14
Option 2: 3000 psi @ -40°F to 140°F (3300 pneumatic leak test) Using components 1, 4c, 12, 13, 14, 15, and 16
Interstage Section:
500 psi @ -40°F to 140°F (550 pneumatic leak test) Using components 1, 2, and 3
Outlet Section:
250 psi @ -40°F to 140°F (275 pneumatic leak test) Using components 2, 9, 10, and 11

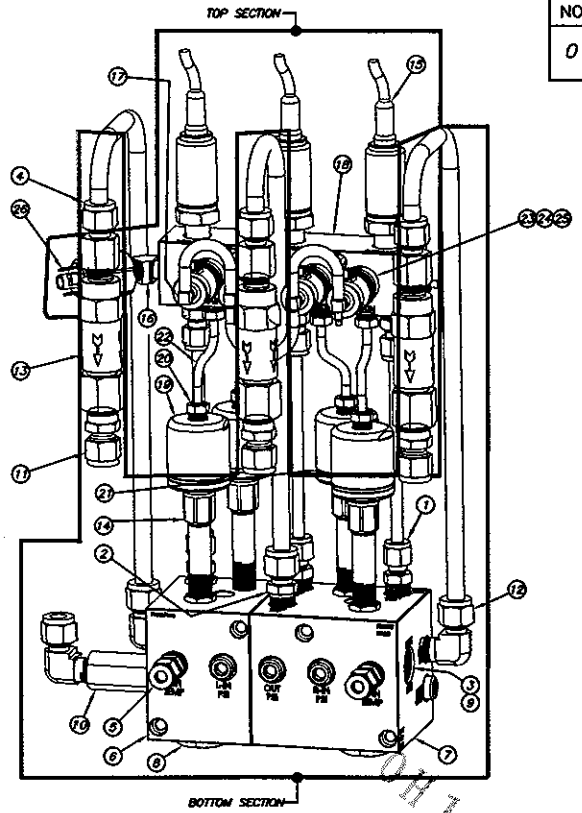
Scope includes other products utilizing identical designs for high pressure and low pressure cavities (to include temp ratings, pressures and all other functional aspects)

SCALE: X	THIRD ANGLE PROJECTION	TOLERANCE UNLESS OTHERWISE SPEC'D DIMENSIONS ARE IN INCHES DIM. & TOL. PER ANSI Y14.5	DRAWN BY	ITEM / PART NO / SIZE / QTY / MATERIAL / DESCRIPTION	
TITLE BLOCK REVISION: #7	REVISION DATE: 1/31/2003	FINISH: 63 ; XXX DECIMALS: ±.005 ; XX DECIMALS: ±.010 ; FRACTIONS: ±1/64 ; ANGLES: ±2° ; FILLET RADII: R 1/64 ; BREAK EDGES: .002–.010	DESIGN ENGINEERING	CONCOA CONTROLS CORPORATION OF AMERICA PRODUCT ENGINEERING DEPARTMENT VIRGINIA BEACH, VA 23454	PART NO. 885 0039
CAD FILENAME: A.dwg			MANUFACTURING ENG	ABSA Control Drawing 619 TITLE	
WHERE USED: ABSA File		CAGE NUMBER ØA389	QUALITY ASSURANCE		ISSUING REFERENCE DOCUMENT # EP–16064 ; SIZE A

REVISIONS

NO	EP NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED
0	EP-16064	ISSUED FOR ABSA CRN SUBMISSION	JF	11/25/2016	----------

PT NO 885 0040



Item Number	Part Number	Description	Material	Existing CRN Component Pressure Rating	Pressure in CONCOA Product	Existing CRN?
1	5550220	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	8000 psig	Bottom Block	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
2	5560322	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	4000 psig	Bottom Block	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
3	8350390	bulkhead	BRASS, ASTM B-16, 36000	435 psig	Bottom Block	OA17946.5
4	8350642	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	4000 psig	Bottom Block	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
5	8350648	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	8000 psig	Bottom Block	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
6	8350653	left block	BRASS, ASTM B-16, 36000	435 psig	Bottom Block	OA17946.5
7	8350654	right block	BRASS, ASTM B-16, 36000	435 psig	Bottom Block	OA17946.5
8	8350662	rear plug	BRASS, ASTM B-16, 36000	435 psig	Bottom Block	OA17946.5
9	8350666	bulkhead	BRASS, ASTM B-16, 36000	435 psig	Bottom Block	OA17946.5
10	8350657	fitting	BRASS, ASTM B-16, 36000	435 psig	Bottom Block	OA17946.5
11	8350672	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	4000 psig	Bottom Block	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
12	8350676	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A479, 316	4000 psig	Bottom Block	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
13	8350683	relief valve	BRASS, ASTM B-16, 36000	50 psig	Bottom Block	OG7770.5R1; OH7770.5R1
14	8350941	bellows	STAINLESS STEEL, ASTM A276, 316L	435 psig	Bottom Block	See test report for 577000A Attached
15	8355151	transducer	STAINLESS STEEL, 17-7	9790 psig	Bottom Block	OF17333.5; OF6726.4; CSA-OF1494.6; OF15348.2
16	8308661	elbow	BRASS, ASTM B-16, 36000	163 psig	Top Block	OA17946.5
17	8309712	elbow	BRASS, ASTM B-16 OR C37700	120 psig	Top Block	OA17946.5
18	8350655	block	BRASS, ASTM B-16, 36000	163 psig	Top Block	OA17946.5
19	8350657	cap	BRASS, ASTM B-16, 36000	500 psig	Top Block	OA17946.5
20	8350668	hose barb	BRASS, ASTM B-16, 36000	120 psig	Top Block	OA17946.5
21	8350941	bellows	STAINLESS STEEL, ASTM A276, 316L	500 psig	Top Block	OA17946.5
22	90800036	tubing	POLYURETHANE	120 psig	Top Block	OA17946.5
23	8309140-11	solenoid valve	BRASS, ASTM B-16 OR C37700	163 psig	Top Block	OA17946.5
24	8309140-18	solenoid valve	BRASS, ASTM B-16 OR C37700	163 psig	Top Block	OA17946.5
25	8309140-4	solenoid valve	BRASS, ASTM B-16 OR C37700	163 psig	Top Block	OA17946.5
26	8309150-13	switch	ZINC PLATED STEEL	163 psig	Top Block	OA17946.5

Bottom Section:
50 psi @ -321°F to 100°F (55 pneumatic leak test)
Using components 1-15
Top Section:
110 psi @ -40°F to 140°F (121 pneumatic leak test)
Using components 16-26

OH 20235 2016 2

Scope includes other products utilizing identical designs for high pressure and low pressure cavities (to include temp ratings, pressures and all other functional aspects)

SCALE: X	THIRD ANGLE PROJECTION	TOLERANCE UNLESS OTHERWISE SPEC'D DIMENSIONS ARE IN INCHES DIM. & TOL. PER ANSI Y14.5 FINISH: 63 XXX DECIMALS: ±.005 XX DECIMALS: ±.010 FRACTIONS: ±1/64 ANGLES: ±2° FILLET RADII: R 1/64 BREAK EDGES: .002-.010	DRAWN BY
TITLE BLOCK REVISION: #7	REVISION DATE: 1/31/2003		DESIGN ENGINEERING
CAD FILENAME: A.dwg			MANUFACTURING ENG
WHERE USED: ABSA File		CAGE NUMBER ØA389	QUALITY ASSURANCE

ITEM	PART NO / SIZE	QTY	MATERIAL / DESCRIPTION

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

ABSA Control Drawing 577

TITLE

PART NO. 885 0040

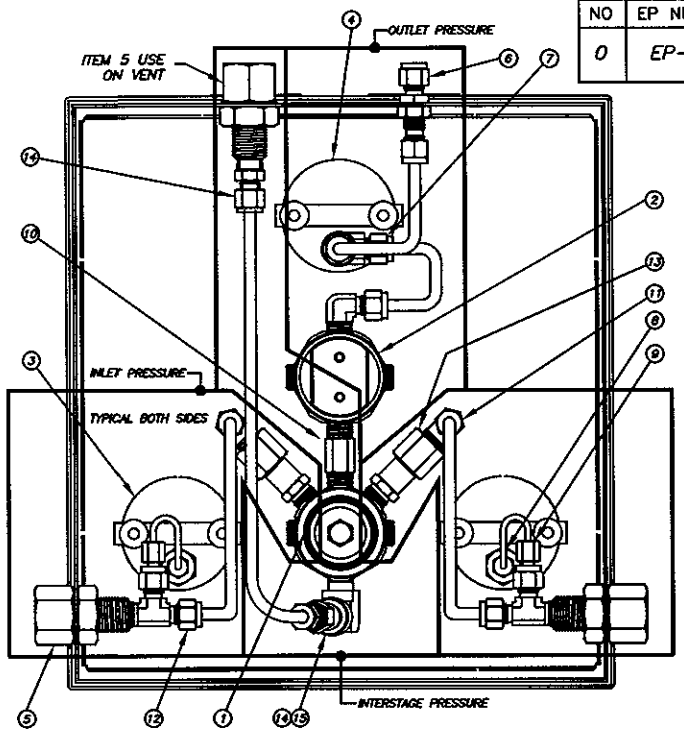
ISSUING REFERENCE DOCUMENT # EP-16064

SIZE A

REVISIONS

NO	EP NUMBER	DESCRIPTION	INITIALS	DATE	APPROVED
0	EP-16064	ISSUED FOR ABSA CRN SUBMISSION	JF	11/25/2016	----------

PT NO 885 0041



OH 1 2 3 5 5 NOV 25 2016 2

Item Number	Part Number	Description	Material	Existing CRN Component Pressure Rating	Pressure in CONCOA Product	Existing CRN?
1	4605000 / 4625000	switch regulator	BRASS, ASTM B-16, 36000 / STAINLESS STEEL, ASTM A276, 316L	4500 psig to 600 psig	Inlet / Interstage	OH5216.5R1
2	4655000 / 4675000	delivery regulator	BRASS, ASTM B-16, 36000 / STAINLESS STEEL, ASTM A276, 316L	4500 psig to 600 psig	Interstage / Outlet	OH5216.5R1
3	8410850 / 8410851	inlet gauge	BT: ASTM B103, 52100 / ASTM A240, 31603 SOCKET: ASTM B16, 38500 / ASTM A240, 31603	4000 psig	Inlet	Winters OF6751.5C
4a	8410828 / 8410829	outlet gauge	BT: ASTM B103, 52100 / ASTM A240, 31603 SOCKET: ASTM B16, 38500 / ASTM A240, 31603	600 psig	Outlet	Winters OF6751.5C
4b	8410838 / 8410839	outlet gauge	BT: ASTM B103, 52100 / ASTM A240, 31603 SOCKET: ASTM B16, 38500 / ASTM A240, 31603	300 psig	Outlet	Winters OF6751.5C
4c	8410826 / 8410827	outlet gauge	BT: ASTM B103, 52100 / ASTM A240, 31603 SOCKET: ASTM B16, 38500 / ASTM A240, 31603	200 psig	Outlet	Winters OF6751.5C
5	8305336	inlet bulkhead	STAINLESS STEEL, ASTM A276, 316L	8000 psig	Inlet	CONCOA CRN OA17946.5
6	5556218	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A183 316	6200 psig	Outlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
7	5574300	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A183 316	6200 psig	Outlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
8	8305069	adapter	STAINLESS STEEL, ASTM A276, 316L or A183 316	6200 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
9	8307459	reducer	STAINLESS STEEL, ASTM A276, 316L or A183 316	6200 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
10	8306334 / 8306337	pipe nipple	BRASS, ASTM B-16, 36000 / STAINLESS STEEL, ASTM A276, 316L	7000 psig	Interstage	CONCOA CRN OA17946.5
11	5556214	tube fitting elbow	STAINLESS STEEL, ASTM A276, 316L or A183 316	6200 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
12	5556212	tube fitting tee	STAINLESS STEEL, ASTM A276, 316L or A183 316	6200 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
13	8305383 / 8305384 / 8306510	cv, brass	BRASS, ASTM B-16, 36000 / STAINLESS STEEL, ASTM A276, 316L	3000 psig	Inlet	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2
14	5550220	tube fitting	STAINLESS STEEL, ASTM A276, 316L or A183 316	8000 psig	Interstage	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5
15	8306195 / 8306196	elbow	BRASS, ASTM B-16, 36000 / STAINLESS STEEL, ASTM A276, 316L	3300 psig	Interstage	Swagelok CRN OA12577.5C or HyLok CRN OA4093.2 or SSP CRN OA9866.5

Inlet Section:
3000 psi @ -40°F to 140°F (3300 pneumatic leak test)
Using components 1, 3, 5, 8, 9, 11, 12, 13
Interstage Section:
500 psi @ -40°F to 140°F (550 pneumatic leak test)
Using components 1, 2, 10, 14, 15
Outlet Section:
Option 1: 150 psi @ -40°F to 140°F (165 pneumatic leak test) Using components 2, 4c, 5, 6, 7
Option 2: 250 psi @ -40°F to 140°F (275 pneumatic leak test) Using components 2, 4b, 5, 6, 7
Option 3: 500 psi @ -40°F to 140°F (550 pneumatic leak test) Using components 2, 4a, 5, 6, 7

Scope includes other products utilizing identical designs for high pressure and low pressure cavities (to include temp ratings, pressures and all other functional aspects)

SCALE: X

THIRD ANGLE PROJECTION

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

TITLE BLOCK REVISION: #7

REVISION DATE: 1/31/2003

CAD FILENAME: A.dwg

WHERE USED: ABSA File

CAGE NUMBER: ØA389

DRAWN BY

DESIGN ENGINEERING

MANUFACTURING ENG

QUALITY ASSURANCE

ITEM	PART NO / SIZE	QTY	MATERIAL / DESCRIPTION

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

TITLE: ABSA Control Drawing 522/523

PART NO. 885 0041

ISSUING REFERENCE DOCUMENT # EP-16064

SIZE A

ABSA
the pressure equipment safety authority

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

November 25, 2016

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

Email: tfrancis@tssa.org

The design submission, tracking number 2016-02810, originally received on May 13, 2016 was surveyed and accepted for registration as follows:

CRN : 0H17255.2
Accepted on: November 25, 2016
Reg Type: New Design
Expiry Date: November 25, 2026
Drawing No. : 885 0038, ETC. Rev 0 As Noted
Fitting type: REGULATOR ASSEMBLIES

Design registered in the name of : CONTROLS CORPORATION OF AMERICA

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

- This registration also includes drawings 885 0039 Rev 0, 885 0040 Rev 0, and 885 0041 Rev 0.
- The indication of CRN 0H05215.52 on drawing 885 0038 is understood to be a typographical error, intended to indicate CRN 0H05216.52.
- Parts used shall be those listed on the Bill of Materials of each drawing and are understood to be registered under the listed CRN, which is understood to be valid in Alberta and unexpired, and suited to the design service conditions. It is not permissible to substitute equivalent parts not manufactured within the scope of the listed CRNs. I have struck out the corresponding note on each drawing permitting identical part substitutions.
- This equipment shall not be pneumatically tested in Alberta.

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 3386 or fax (780) 437-7787 or e-mail brandon@absa.ca.

Sincerely,

BRANDON, GREG