

May 28, 2024

Attention: Nicole Kilgore
PRESSURE VESSEL ENGINEERING INC
PO BOX 112
1440 KING STREET NORTH UNIT# 1
ST JACOBS, ON N0B 2N0

The design submission, Tracking Number 2024-01387, Web Portal Number 2024-S0964, originally received on March 06, 2024 was surveyed and accepted for registration as follows:

CRN : 0C24126.2 **Accepted on:** May 28, 2024
Reg Type: NEW DESIGN **Expiry Date:** May 28, 2034
Drawing No. : 20049s-1 R0 Calc Fitting List/20049s-2 FEA Fitting List Rev 0/1 As Noted
Fitting type: Valves

Design registered in the name of : ENGINEERING CONTROLS INTERNATIONAL LLC

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

See fitting lists for design conditions

- Per client confirmation, ASTM A513 (UNS G10200) materials are not included in the scope of this registration

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 3336 or fax (780) 437-7787 or e-mail Bohuch@absa.ca.

Sincerely,



BOHUCH, DAN, P. Eng.
DOP Cert. No. D00010785



the pressure equipment safety authority

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

May 28, 2024

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

I, Zac Rubeor, Design Engineer
(name of applicant) (position title) (must be in a position of authority)
of Engineered Controls International, LLC
(name of manufacturer)
located at 100 RegO Drive, Elon, NC 27244, United States of America
(plant address)

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



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 ASME B31.3 ED 2022 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.	See Scope Document 20049s-1	ISO 9001: 2015	The design and manufacture of valves, regulators and fittings for the L.P. Gas, Anhydrous Ammonia, LNG, and Compressed Gas Industries.	2024-07-19	DQS	100 RegO Drive, Elon, NC 27244, United States of America
2.						

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

Scope document: 20049s-1 outlining design condition, drawing and material

[Signature]
(Signature of the Declarer)

Nov 9, 2023
(Date)

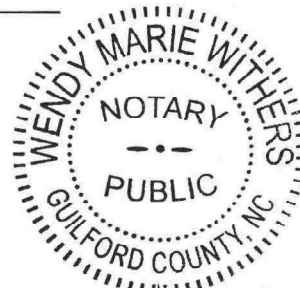
DECLARED before me at Burlington in the State of North Carolina
(city) (province, territory, or state)

this 9th day of November, 2023
(Month) (Year)

(print) Wendy Marie Withers
(a Commissioner of Oaths or Notary Public)

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

08/17/2024
(expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Guilford County, North Carolina
(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

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

I, Zac Rubeor, Design Engineer
(name of applicant) (position title) (must be in a position of authority)
of Shanghai Rego Flow Technology Co., Ltd.
(name of manufacturer)
located at 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China
(plant address)

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



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 ASME B31.3 ED 2022 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.	See Scope Document 20049s-1	ISO 9001: 2015	Manufacturing of low temp. industrial liquefied gas valves (Safety valve, Cryogenic Regulators Valve, Cryogenic Shut-off valves within the scope of license; Check valves, overflow valves	November 5, 2024	CQS	34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China
2.						

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

Scope document: 20049s-1 outlining design condition, drawing and material

[Signature]
(Signature of the Declarer)

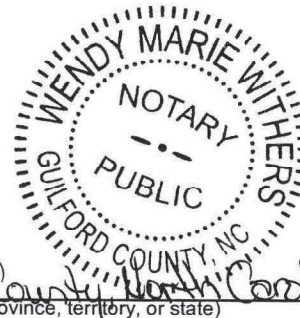
Nov 9, 2023
(Date)

DECLARED before me at Burlington in the state of North Carolina
(city) (province, territory, or state)
this 04th day of November, 2023
(Month) (Year)

(print) Wendy Marie Withers
(a Commissioner of Oaths or Notary Public)

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

08/17/24
(expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Guilford County, North Carolina
(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

20049s-1 RO Calc Fitting List

1 Refer to following drawings for fittings covered in this list:

20049d-1; 20049d-2; 20049d-3

2 Refer to following calculation report for fittings covered in this list:

20049c-1

#	TOP-LEVEL ASSY DRAWING	COVERED VALVE NUMBERS	DESC	PART #	PART DESC	DRAWING # (IF ≠ PART #)	FORGING/C ASTING/STO CK #	REGO MATERIAL SPEC	MATERIAL TYPE	MATERIAL #	MIN TEMP ('F)	MAX TEMP ('F)	MAX DESIGN PRESSUR E (PSI)	BASE PART?
1	2418-S1	ALL	VAPOR RETURN VALVE	2418-27	BODY		701292	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
2	3125L SER	3125L 3125LR	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	3125-1	BODY		701275	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
3	3127 SER	3127H 3124P 3127J 3127K 3127L 3127U	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	3127-1	BODY		701281	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
4	3129 SER	3129M 3129H 3129P 3129T 3129J 3129K 3129L 3129U	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	3129-1	BODY		701288	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
5	3165C SER	ALL	VENT VALVE	3165C SER 3165C-1T 3165C-1 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY BODY VENT STEM ASSY STEM STEM	3165C-1 3165C-1 3162C-6 SER	701273 701273 7141-2R	11550-417 11550-417 11550-417 11550-417	ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS C36000 UNS C36000 UNS C36000 UNS C36000	-40	165	400	N Y Y N Y Y
6	3170	ALL	VAPOR RETURN VALVE	3144-1	BODY		711032	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
7	3174C	ALL	QUICK FILL VALVE	3174-1	BODY		701299	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
8	3194 SER	ALL	QUICK FILL VALVE	3194-25 3194-1	VALVE BLANK ASSY BODY		702482	11550-417	ASTM B16	UNS C36000	-40	165	250	N Y
9	3197 SER	ALL	QUICK FILL VALVE	A3196-1 A3196-5 A3196-5 A3196-5	BODY ASSY BODY BODY BODY		701599 710345 701450	11550-731 11550-208 11550-600	ASTM A479 TYPE 304L ASTM A108 GRADE C1018 ASTM A108 GRADE 12L14	UNS S30403 UNS G10180 UNS G12144	-40	165	250	N Y Y Y
10	6584C	ALL	QUICK FILL VALVE	6584-6	BODY		701305	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
11	6585C	ALL	QUICK FILL VALVE	6584-6 A3186-1A	BODY BODY		701305 710005	11550-417 11550-600	ASTM B16 ASTM A108 GRADE 12L14	UNS C36000 UNS G12144	-40	165	250	Y Y
12	7053T	ALL	QUICK FILL VALVE	7053S-1	BODY		7053S-1F	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
13	7573D SER	ALL	VAPOR EQUALIZING VALVE	7573-12D 7573-1D 7573-2D	LOWER BODY ASSY LOWER BODY UPPER BODY		7573-1F 701233	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40	165	250	N Y Y
14	7901T SER	ALL	QUICK FILL VALVE	7753WD-1 7553WE-1 7553WB-1	BODY BODY BODY		9445-1FA 9445-1FA 9445-1FA	11550-160 11550-160 11550-160	ASTM B283 ASTM B283 ASTM B283	UNS C37700 UNS C37700 UNS C37700	-40	165	250	Y Y Y

				7553WC-1 7553W-5D	BODY BONNET		9445-1FA 701286	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000					Y Y
15	9101H5 SER	ALL	CYLINDER VALVE	9101H-2	BODY		9101H-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250		Y
16	9101H6 SER	ALL	CYLINDER VALVE	9101H-2 9101-33	BODY ADAPTER		9101H-2FA 701278	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40	165	250		Y Y
17	9101P5 SER	ALL	CYLINDER VALVE	9101-2AP	BODY		9101-2AF	11550-160	ASTM B283	UNS C37700	-40	165	250		Y
18	9101P6 SER	ALL	CYLINDER VALVE	9101-2AP 9101-33	BODY ADAPTER		9101-2AF 701278	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40	165	250		Y Y
19	9101R SER	ALL	CYLINDER VALVE	9101RN 9101D-1A 9101DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101D-1FA 9101D-1FA	11550-160 11550-160	ASTM B283 ASTM B283	UNS C37700 UNS C37700	-40	165	250		N Y Y N Y Y
20	9101R1 SER	ALL	CYLINDER VALVE	9101C1-1B	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250		Y
21	9101Y5H	ALL	CYLINDER VALVE	9101Y-2	BODY		9101Y5-2F	11550-160	ASTM B283	UNS C37700	-40	165	250		Y
22	9101Y5HT	ALL	CYLINDER VALVE	9101Y-2	BODY		9101Y5-2F	11550-160	ASTM B283	UNS C37700	-40	165	250		Y
23	SS8001 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	8001-1S5	BODY		701669U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400		Y
24	SS8002 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	8002-1S5	BODY		701691U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400		Y
25	SS8021 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	80021-1S5	BODY		701669U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400		Y
26	SS8022 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	80022-1S5	BODY		701691U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400		Y
27	SS8022N SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	80022-1S5	BODY		701691U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400		Y
28	TSS3169	ALL	VENT VALVE	3169-1S5 3169-1S5	BODY BODY		711107 701647	11550-432 11550-432	ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS S30300 UNS S30300	-40	165	400		Y Y

20049c-2 FEA Fitting List

1 Refer to the following document number for drawings covered under this list:
20049d-4, 20049d-5, 20049d-6

#	TOP-LEVEL ASSY DRAWING	COVERED VALVE NUMBERS	DESC	PART #	PART DESC	DRAWING # (IF ≠ PART #)	FORGING/C ASTING/STO CK #	REGO MATERIAL SPEC	MATERIAL TYPE	MATERIAL #	MIN TEMP (°F)	MAX TEMP (°F)	MAX DESIGN PRESSUR E (PSI)	BASE PART?	ANALYSIS/CALCULATIO N FILE	NOTES
1	A8016D8C	ALL	MULTIPURPOSE VALVE	A8016B-1 7507A-2	BODY BONNET		A8016B-1SC 710316	11550-200 11550-600	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14	UNS F32800 UNS G12144	-20	165	400	Y	20049f-3 20049c-2 RO (FEA)	
2	6532A SER	ALL	MULTIVALVE	6532AN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
3	6532R SER	ALL	MULTIVALVE	6532RN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
4	6533A SER	ALL	MULTIVALVE	6533AN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
5	6533R SER	ALL	MULTIVALVE	6533RN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
6	6542A SER	ALL	MULTIVALVE	6542AN 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	6542AN SER 3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
7	6542R SER	ALL	MULTIVALVE	6542RN 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	6542RN SER 3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
8	PT6542A SER	ALL	MULTIVALVE	6542AN-P 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	6542AN SER 3162C-6 SER	6532-6FA 701244 11550-417 7141-2R 701274	11550-160 11550-417 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y N Y	20049f-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-2 RO (FEA)	

9	PT6542R SER	ALL	MULTIVALVE	6542RN-P 6542-1A 6562-2 3162C-6 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM PRESTO-TAP BODY	6542RN SER 3162C-6 SER	6532-6FA 701244 7141-2R 701274	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N	20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-2 RO (FEA)	
10	6543A SER	ALL	MULTIVALVE	6543AN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N	20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-2 RO (FEA)	
11	6543R SER	ALL	MULTIVALVE	6543RN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N	20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-2 RO (FEA)	
12	PT6543A SER	ALL	MULTIVALVE	6543 AN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	6532-6FA 701244 7141-2R 701274	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N	20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-2 RO (FEA)	
13	PT6543R SER	ALL	MULTIVALVE	6543 RN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	6532-6FA 701244 7141-2R 701274	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N	20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-2 RO (FEA)	
14	6555D SER	ALL	MULTIVALVE	6555D 6555-1E 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6555-1FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-1 20049c-1	
15	6555R SER	ALL	MULTIVALVE	6555R 6555-1E 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6555-1FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y Y Y	20049F-1 20049c-1 20049c-1	
16	7554L SER	ALL	QUICK FILL VALVE	7530-1V 7530A-1V 7554S-5SW 3165CB 3165C-1T 3165C-1 3162C-6 3162C-2 3162C-2	BODY BODY BONNET VENT VALVE ASSY BODY BODY VENT STEM ASSY STEM STEM	3165C SER 3165C-1 3165C-1 3162C-6 SER	7530A-1SC 7530A-1SC 701296 701273 701273 7141-2R	11550-200 11550-200 11550-417 11550-417 11550-417 11550-417 11550-417	ASTM A395 GRADE 60-40-18 ASTM A395 GRADE 60-40-18 ASTM B16 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS F32800 UNS F32800 UNS C36000 UNS C36000 UNS C36000 UNS C36000 UNS C36000	-20	165	250	Y Y Y N Y Y N Y Y	20049F-1 20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-1 20049c-1	

17	7554S SER	ALL	QUICK FILL VALVE	7530-1V 7530A-1V 7554S-SSW 3165C8 3165C-1T 3165C-1 3162C-6 3162C-2 3162C-2	BODY BODY BONNET VENT VALVE ASSY BODY BODY VENT STEM ASSY STEM STEM	3165C SER 3165C-1 3165C-1 3162C-6 SER	7530A-1SC 7530A-1SC 701296 701273 701273 7141-2R	11550-200 11550-200 11550-417 11550-417 11550-417 11550-417	ASTM A395 GRADE 60-40-18 ASTM A395 GRADE 60-40-18 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS F32800 UNS F32800 UNS C36000 UNS C36000 UNS C36000 UNS C36000	20	165	250	Y Y Y N Y Y N Y	20049F-1 20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1 20049c-1 20049c-1	
18	7556R SER	ALL	MULTIVALVE	7556AFT-1A 7556B-3M 7556B-3 3162C-6 3162C-2 3162C-2	BODY VAPOR RETURN BODY VAPOR RETURN BODY VENT STEM ASSY STEM STEM	3162C-6 SER	7556-1FA 7556B-3F 701292 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y Y Y N Y Y	20049F-1 20049c-2 RO (FEA) 20049c-2 RO (FEA) 20049c-1 20049c-1	
19	7556RG SER	ALL	MULTIVALVE	7556AFT-1A 7556B-3M 7556B-3 3162C-6 3162C-2 3162C-2	BODY VAPOR RETURN BODY VAPOR RETURN BODY VENT STEM ASSY STEM STEM	3162C-6 SER	7556-1FA 7556B-3F 701292 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y Y Y N Y Y	20049F-1 20049c-2 RO (FEA) 20049c-2 RO (FEA) 20049c-1 20049c-1	
20	7556ZT12.0	ALL	MULTIVALVE	7556AFT-1A 7556B-3M 7556B-3 3162C-6 3162C-2 3162C-2	BODY VAPOR RETURN BODY VAPOR RETURN BODY VENT STEM ASSY STEM STEM	3162C-6 SER	7556-1FA 7556B-3F 701292 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y Y Y N Y Y	20049F-1 20049c-2 RO (FEA) 20049c-2 RO (FEA) 20049c-1 20049c-1	
21	8118P	ALL	MULTIPURPOSE VALVE	8118P-1 7579-2A 7554-21 7554-6	BODY UPPER BODY BONNET ASSY BONNET		8118-1F 701244 701296	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y Y N Y	20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-2 RO (FEA)	
22	8555D SER	ALL	MULTIVALVE	P8555D 8555P-2B 8555PL-2B 8555P-3 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY BODY UPPER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	8555P-2FB 8555P-2FB 701244 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y Y N Y	20049F-1 20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
23	8555DL1.6	ALL	MULTIVALVE	N8555DLAL 8555DL-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	N8555DLA 3162C-6 SER	8555DL-1F 701244 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y	20049F-3 20049c-2 RO (FEA) 20049c-1 20049c-1	
24	8555DLT SER	ALL	MULTIVALVE	N8555DLA 8555DL-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	8555DL-1F 701244 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y	20049F-3 20049c-2 RO (FEA) 20049c-1 20049c-1	
25	8555R SER	ALL	MULTIVALVE	P8555R 8555P-2B 8555PL-2B 8555P-3 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY BODY UPPER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	8555P-2FB 8555P-2FB 701244 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y Y N Y	20049F-1 20049F-1 20049c-2 RO (FEA) 20049c-1 20049c-1	
26	8556 SER	ALL	CYLINDER VALVE	8556NA 8556N 8556-1Y 8556PAN 8556-1Y	VALVE BLANK ASSY VALVE BLANK ASSY BODY VALVE BLANK ASSY BODY	8556N SER 8556N SER	8556-1F 8556-1F	11550-160 11550-160	ASTM B283 ASTM B283	UNS C37700 UNS C37700	-40	165	250	N N Y N Y	20049F-2 20049F-2	

27	8593AL SER	ALL	MULTIVALVE	8593AG-6A 8475-6L 7556B-3M 7556B-3	BODY UPPER FILLER BODY VAPOR RETURN BODY VAPOR RETURN BODY		8593-6F 701244 7556B-3F 701292	11550-160 11550-417 11550-160 11550-417	ASTM B283 ASTM B16 ASTM B283 ASTM B16	UNS C37700 UNS C36000 UNS C37700 UNS C36000	-40	165	250	Y Y Y Y	20049F-2 20049c-2 R0 (FEA) 20049c-2 R0 (FEA) 20049c-2 R0 (FEA)	
28	9101C1 SER	ALL	CYLINDER VALVE	9101C1-1B	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	Covered by 9101D-1A
29	9101D SER	ALL	CYLINDER VALVE	9101DN 9101D-1A 9101DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101D-1FA 9101D-1FA 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049F-2 20049F-2 20049c-1 20049c-1	Covered by 9101D-1A
30	9101DK SER	ALL	CYLINDER VALVE	9101DNB P9101-1EF5	VALVE BLANK BODY		9101-1AF	11550-160	ASTM B283	UNS C37700	-40	165	250	N	20049F-3	
31	9101DNP SER	ALL	CYLINDER VALVE	P9101-1A 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101-1AF 9101-1AF 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y N Y Y	20049F-3 20049c-1 20049c-1	
32	9101DP SER	ALL	CYLINDER VALVE	P9101-1A 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101-1AF 9101-1AF 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y N Y Y	20049F-3 20049c-1 20049c-1	
33	9101DS SER	ALL	CYLINDER VALVE	9101DSB P9101-1S	VALVE BLANK BODY		9101-1AF	11550-160	ASTM B283	UNS C37700	-40	165	250	N	20049F-3	
34	9101R1S SER	ALL	CYLINDER VALVE	9101R1-1	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	Covered by 9101D-1A
35	9101RPSHT	ALL	CYLINDER VALVE	9101-2AP	BODY		9101-2AF	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	
36	9102D SER	ALL	CYLINDER VALVE	9102DN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9102D-1FA 9102D-1FA 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049F-2 20049F-2 20049c-1 20049c-1	Covered by 9102D-1A
37	9102R SER	ALL	CYLINDER VALVE	9102RN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9102D-1FA 9102D-1FA 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049F-2 20049F-2 20049c-1 20049c-1	Covered by 9102D-1A
38	PT9102D SER	ALL	CYLINDER VALVE	PT9102DN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	9102D-1FA 9102D-1FA 7141-2R 701274	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049F-2 20049F-2 20049c-1 20049c-1	Covered by 9102D-1A
39	PT9102R SER	ALL	CYLINDER VALVE	PT9102RN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	9102D-1FA 9102D-1FA 7141-2R 701274	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y	20049F-2 20049F-2 20049c-1 20049c-1	Covered by 9102D-1A
40	9103COA	ALL	CYLINDER VALVE	9103CD-1B	BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	
41	9103COAS	ALL	CYLINDER VALVE	9103CD-1B	BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	
42	9103COAT 9103COAT	ALL	CYLINDER VALVE	9103COA 9103CD-1B	VALVE BLANK BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	N	20049F-2	
43	9103COATS	ALL	CYLINDER VALVE	9103CD-1B	BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	
44	9103C0B	ALL	CYLINDER VALVE	9103COA 9103CD-1B	VALVE BLANK BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	N	20049F-2	

45	9103D SER	ALL	CYLINDER VALVE	9103DAN 9103D-1B 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9103-2FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-2 20049c-1 20049c-1	
46	9103DANT	ALL	CYLINDER VALVE	9103DAN 9103D-1B 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9103-2FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-2 20049c-1 20049c-1	
47	9103T9F	ALL	CYLINDER VALVE	9107-1B 2759-6A	BODY CHECK BODY		9107-1F 701233	11550-160 11550-417 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40	165	250	Y Y	20049F-2 20049c-2 RO (FEA)	
48	9103T9FT	ALL	CYLINDER VALVE	9103T9F 9107-1B 2759-6A	VALVE BLANK BODY CHECK BODY		9107-1F 701233	11550-160 11550-417 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40	165	250	N Y Y	20049F-2 20049c-2 RO (FEA)	
49	9106C0	ALL	CYLINDER VALVE	9106C0-1	BODY		9106-1AF	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	
50	9106C0T	ALL	CYLINDER VALVE	9106C0 9106C0-1	VALVE BLANK BODY		9106-1AF	11550-160	ASTM B283	UNS C37700	-40	165	250	N Y	20049F-2	
51	9107K SER-A	ALL	CYLINDER VALVE	9107-1A 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9107-1F 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	Y N Y Y	20049F-2 20049c-1 20049c-1 20049F-2	
52	9107K SER-B	ALL	CYLINDER VALVE	9107-1D	BODY		9107-1F	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049F-2	
53	A8016D SER	ALL	MULTIPURPOSE VALVE	A8016B-1 7507A-2 TSS3169 3169-15S 3169-15S	BODY BONNET VENT VALVE ASSY BODY BODY		A8016B-1SC 710316 711107 701647	11550-200 11550-600 11550-432 11550-432	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14 ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS F32800 UNS G12144 UNS S30300 UNS S30300	-20	165	400	Y Y N Y Y	20049F-3 20049c-2 RO (FEA) 20049c-1 RO 20049c-1 RO 20049c-1 RO	
54	A8017D SER	ALL	LIQUID VALVE	A8017B-1 7507A-2 TSS3169 3169-15S 3169-15S	BODY BONNET VENT VALVE ASSY BODY BODY		A8018B-1SC 710316 711107 701647	11550-200 11550-600 11550-432 11550-432	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14 ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS F32800 UNS G12144 UNS S30300 UNS S30300	-20	165	400	Y Y N Y Y	20049F-3 20049c-2 RO (FEA) 20049c-1 RO 20049c-1 RO 20049c-1 RO	
55	A8017DL SER	ALL	LIQUID VALVE	A8017BL-1 TSS3169 3169-15S 3169-15S 7507A-2	BODY VENT VALVE ASSY BODY BODY BONNET		A8018B-1SC 711107 701647 710316	11550-200 11550-432 11550-432 11550-600	ASTM A395 GRADE 60-40-18 ASTM A582 TYPE 303 ASTM A582 TYPE 303 ASTM A108 GRADE 12L14	UNS F32800 UNS S30300 UNS S30300 UNS G12144	-20	165	400	Y N Y Y Y	20049F-3 20049c-1 RO 20049c-1 RO 20049c-1 RO 20049c-2 RO (FEA)	
56	A8018D SER	ALL	LIQUID VALVE	A8018B-1 A7579-2 7507A-2 TSS3169 3169-15S 3169-15S	BODY UPPER BODY BONNET VENT VALVE ASSY BODY BODY		A8018B-1SC 710260 710316 711107 701647	11550-200 11550-601 11550-600 11550-432 11550-432	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14 ASTM A108 GRADE 12L14 ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS F32800 UNS G12144 UNS G12144 UNS S30300 UNS S30300	-20	165	400	Y Y Y N Y Y	20049F-3 20049c-2 RO (FEA) 20049c-2 RO (FEA) 20049c-1 RO 20049c-1 RO 20049c-1 RO	

ATTN: NICOLE KILGORE
PRESSURE VESSEL ENGINEERING
#1 1440 KING STREET
ST. JACOBS ON N0B 2N0

Date: 07-Aug-2024
TSBC Account #: 061511
TSBC Admin Number: 108841
Canadian Registration Number: 0C24126.21

Re: Application for Design Registration

The design, as detailed in your Design Portal application PVE-20049 for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Engineering Controls International LLC
Project Name:	PVE-20049
Drawing #:	Scope 20049s-1
Drawing Revision:	0

Conditions of Registration:

(1) Fitting Registration Expiry Date: 28-May-2034 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

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

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

The Engineering Information Management Team



REGISTRATION OF A PRESSURE FITTING DESIGN

June 21, 2024

Pressure Vessel Engineering
1440 King Street N, Unit 1, PO Box 112
St. Jacobs, ON
Canada
NOB 2N0

Attention: Nicole Kilgore

File Number: 101099

Re: Manufacturer: Pressure Vessel Engineering

Item: Valves

Catalog or Drawing: Scope Document: PVE-20049s-1 Rev. 0

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:

0C24126.23

Expiry Date: 2034-05-28

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,

Williams Uju, P.Eng.

Codes and Standards Compliance

Remarks:

CRN registered conditional upon compliance with the notes on the original registration.

Scope Document: PVE-20049s-1 R0**Multiple CAT C Fittings****Notes:**

This is a NEW CRN application.

**General Conditions:**

Design Code:	B31.3 2022 Ed
MAWP:	400/250 psi – See 20049s-1&2 Fitting Lists
Max Temp:	165 °F – See 20049s-1&2 Fitting Lists
Corrosion:	0 in
Test Pressure:	Hydro/Pneumatic test upon installation on site
MDMT:	-20/-40 °F – See 20049s-1&2 Fitting List
Impact testing:	None
Impact testing exemption:	323.2.2
Radiography:	N/A

Materials:

All Materials and Models shown on 20049s-1&2 Fitting Lists

Calculations:

1. 20049c-1 R0	B31.3 Code Calcs for Multiple Valves Listed in “20049s-1 Calc Fitting List”.
2. 20049c-2 R0	B31.3 Code Calcs for Multiple Valves Listed in “20049s-2 FEA Fitting List”.
3. 20049f-1 R0	B31.3 FEA report for Multiple Valves Listed in “20049s-2 FEA Fitting List”.
20049f-2 R0	
20049f-3 R0	

Material Pull Tests:

- Refer to “7. 20049 Material Pull Test” for unlisted material properties at elevated temperature.
- Refer to “8. 20049 material spec” for unlisted material properties at room temperature.

QC Certificate:**Engineered Controls International, LLC**

100 RegO Drive, Elon NC, USA 27244

ISO 9001:2015, Verified by DQS

Expiring 07/19/2024

Shanghai Rego Flow Technology Co., Ltd.

34th Building, No. 6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China

ISO 9001:2015, Verified by CQC

Expiring 11/05/2024



Technical Safety Authority of Saskatchewan

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

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Zac Rubeor

Design Engineer

(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Engineered Controls International, LLC

(name of manufacturer)

located at: 100 RegO Drive, Elon, NC 27244, United States of America

(Plant Address – Apt/Street)

(City, Prov)

(Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety 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 ASME B31.3 ED 2022 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, DQS as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are See Scope Document 20049s-1

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

Scope document: 20049s-1 outlining design condition, drawing and material

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



II. Declaration

DECLARED before me at Albion County In the State of North Carolina
this 9th day of November, 2023

Wendy Marie Withers
(print name)

(Signature)



(Signature of Commissioner of Oaths)

My Commission Expires: 8/12/2024

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____

**Technical
Safety Authority
of Saskatchewan**

Registration No. OC24126.23

File No. 101099

Registered

Date: June 21, 2024

Expiry Date: May 28, 2034

Codes & Standards Compliance Office

(Date Registered – MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date – MM DD YYYY)

TSK-1008
Rev. 10/2012
Page 1 of 1



July 9, 2024

PRESSURE VESSEL ENGINEERING INC
1-1440 King St N, PO Box 112
St. Jacob's ON N0B 2N0

Dear Nicole Kilgore,

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-R4195
CRN:	0C24126.24
Scope:	20049s-1 R0 Calc Fitting List/20049s-2 FEA Fitting List Rev 0/1 As Noted
Manufacturer:	ENGINEERING CONTROLS INTERNATIONAL LLC
Expiry Date:	28 May 2034

Along with this letter is the invoice for registration.

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

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

Inspection and Technical Services

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



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

November 6, 2024

PRESSURE VESSEL ENGINEERING LTD.
1440 KING ST N UNIT 1
ST. JACOBS ON N0B 2N0

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14363898
Your Reference No.: PVE-20049, Scope 20049s-1
Registered to: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear NICOLE KILGORE,

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

CRN : 0C24126.25
Main Design No.: 20049s-1 R0 Calc Fitting List/20049s-2 FEA Fitting List Rev 0/1
Expiry Date: May 28, 2034

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

1. Design registration completed under interprovincial agreement with jurisdictional check only; Please see ABSA's registration letter for other notes applicable to this registration
2. Thermal Expansion Relief Valves shall not be used as primary over-pressure protection
3. ASTM A513 (UNS G10200) material is not included in the scope of this registration

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

Yours truly,

Shreyas Madhuranath M.Eng, P.Eng



Engineer, BPV
Tel. : +1 416-734-3212
Email : smadhuranath@tssa.org

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

www.tssa.org



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

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



STATUTORY DECLARATION Registration of Fittings

I, Zac Rubeor Design Engineer
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Engineered Controls International, LLC
(Name of Manufacturer)

Located at 100 RegO Drive, Elon, NC 27244, United States of America
(Plant Address) (Telephone No.) (Fax No.)

☐ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☒ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 ED 2022 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, DQS.

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

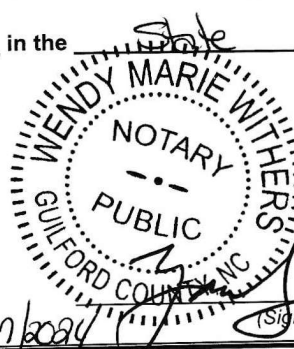
Scope document: 20049s-1 outlining design condition, drawing and material

(drawings, calculations, test reports, etc.)

Declared before me at Plomance County in the State of North Carolina
the 9th day of November AD 2023

Commissioner for Oaths:

Wendy Marie Withers
(Printed name)
Wendy Marie Withers
(Signature)



(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: May 28, 2034

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0C24126.25

Signed: [Signature]

Date: November 6, 2024.

Scope Document: PVE-20049s-1 R0**Multiple CAT C Fittings****Notes:**

This is a NEW CRN application.

THIS IS PART OF CRN

0C24126.25

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety
Program**General Conditions:**

Design Code:	B31.3 2022 Ed
MAWP:	400/250 psi – See 20049s-1&2 Fitting Lists
Max Temp:	165 °F – See 20049s-1&2 Fitting Lists
Corrosion:	0 in
Test Pressure:	Hydro/Pneumatic test upon installation on site
MDMT:	-20/-40 °F – See 20049s-1&2 Fitting List
Impact testing:	None
Impact testing exemption:	323.2.2
Radiography:	N/A

Materials:

All Materials and Models shown on 20049s-1&2 Fitting Lists

Calculations:

1. 20049c-1 R0	B31.3 Code Calcs for Multiple Valves Listed in “20049s-1 Calc Fitting List”.
2. 20049c-2 R0	B31.3 Code Calcs for Multiple Valves Listed in “20049s-2 FEA Fitting List”.
3. 20049f-1 R0	B31.3 FEA report for Multiple Valves Listed in “20049s-2 FEA Fitting List”.
20049f-2 R0	
20049f-3 R0	

Material Pull Tests:

- Refer to “7. 20049 Material Pull Test” for unlisted material properties at elevated temperature.
- Refer to “8. 20049 material spec” for unlisted material properties at room temperature.

QC Certificate:**Engineered Controls International, LLC**

100 RegO Drive, Elon NC, USA 27244

ISO 9001:2015, Verified by DQS

Expiring 07/19/2024

Shanghai Rego Flow Technology Co., Ltd.

34th Building, No. 6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China

ISO 9001:2015, Verified by CQC

Expiring 11/05/2024

20049s-1 R0 Calc Fitting List

- 1 Refer to following drawings for fittings covered in this list:
20049d-1; 20049d-2; 20049d-3
- 2 Refer to following calculation report for fittings covered in this list:
20049c-1

#	TOP-LEVEL ASSY DRAWING	COVERED VALVE NUMBERS	DESC	PART #	PART DESC	DRAWING # (IF ≠ PART #)	FORGING/C ASTING/STO CK #	REGO MATERIAL SPEC	MATERIAL TYPE	MATERIAL #	MIN TEMP (°F)	MAX TEMP (°F)	MAX DESIGN PRESSUR E (PSI)	BASE PART?
1	2418-51	ALL	VAPOR RETURN VALVE	2418-27	BODY		701292	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
2	3125L SER	3125L 3125LR	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	3125-1	BODY		701275	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
3	3127 SER	3127H 3124P 3127J 3127K 3127L 3127U	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	3127-1	BODY		701281	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
4	3129 SER	3129M 3129H 3129P 3129T 3129J 3129K 3129L 3129U	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	3129-1	BODY		701288	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
5	3165C SER	ALL	VENT VALVE	3165C SER 3165C-1T 3165C-1 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY BODY VENT STEM ASSY STEM STEM	3165C-1 3165C-1 3162C-6 SER	701273 701273 7141-2R	11550-417 11550-417 11550-417 11550-417	ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS C36000 UNS C36000 UNS C36000 UNS C36000	-40	165	400	N Y Y N Y Y
6	3170	ALL	VAPOR RETURN VALVE	3144-1	BODY		711032	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
7	3174C	ALL	QUICK FILL VALVE	3174-1	BODY		701299	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
8	3194 SER	ALL	QUICK FILL VALVE	3194-25 3194-1	VALVE BLANK ASSY BODY		702482	11550-417	ASTM B16	UNS C36000	-40	165	250	N Y
9	3197 SER	ALL	QUICK FILL VALVE	A3196-1 A3196-5 A3196-5 A3196-5	BODY ASSY BODY BODY BODY		701599 710345 701450	11550-731 11550-208 11550-600	ASTM A479 TYPE 304L ASTM A108 GRADE C1018 ASTM A108 GRADE 12L14	UNS S30403 UNS G10180 UNS G12144	-40	165	250	N Y Y Y
10	6584C	ALL	QUICK FILL VALVE	6584-6	BODY		701305	11550-417	ASTM B16	UNS C36000	-40	165	250	Y
11	6585C	ALL	QUICK FILL VALVE	6584-6 A3186-1A	BODY BODY		701305 710005	11550-417 11550-600	ASTM B16 ASTM A108 GRADE 12L14	UNS C36000 UNS G12144	-40	165	250	Y Y
12	7053T	ALL	QUICK FILL VALVE	7053S-1	BODY		7053S-1F	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
13	7573D SER	ALL	VAPOR EQUALIZING VALVE	7573-12D 7573-1D 7573-2D	LOWER BODY ASSY LOWER BODY UPPER BODY		7573-1F 701233	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40	165	250	N Y Y
14	7901T SER	ALL	QUICK FILL VALVE	7753WD-1 7553WE-1 7553WB-1	BODY BODY BODY		9445-1FA 9445-1FA 9445-1FA	11550-160 11550-160 11550-160	ASTM B283 ASTM B283 ASTM B283	UNS C37700 UNS C37700 UNS C37700	-40	165	250	Y Y Y

				7553WC-1	BODY		9445-1FA	11550-160	ASTM B283	UNS C37700				Y
				7553W-5D	BONNET		701286	11550-417	ASTM B16	UNS C36000				Y
15	9101H5 SER	ALL	CYLINDER VALVE	9101H-2	BODY		9101H-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
16	9101H6 SER	ALL	CYLINDER VALVE	9101H-2	BODY		9101H-2FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
				9101-33	ADAPTER		701278	11550-417	ASTM B16	UNS C36000				Y
17	9101P5 SER	ALL	CYLINDER VALVE	9101-2AP	BODY		9101-2AF	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
18	9101P6 SER	ALL	CYLINDER VALVE	9101-2AP	BODY		9101-2AF	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
				9101-33	ADAPTER		701278	11550-417	ASTM B16	UNS C36000				Y
19	9101R SER	ALL	CYLINDER VALVE	9101RN	VALVE BLANK	3162C-6 SER					-40	165	250	N
				9101D-1A	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700				Y
				9101DL-1A	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700				Y
				3162C-6	VENT STEM ASSY									N
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y
20	9101R1 SER	ALL	CYLINDER VALVE	9101C1-1B	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
21	9101Y5H	ALL	CYLINDER VALVE	9101Y-2	BODY		9101Y5-2F	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
22	9101Y5HT	ALL	CYLINDER VALVE	9101Y-2	BODY		9101Y5-2F	11550-160	ASTM B283	UNS C37700	-40	165	250	Y
23	SS8001 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	8001-1SS	BODY		701669U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400	Y
24	SS8002 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	8002-1SS	BODY		701691U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400	Y
25	SS8021 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	80021-1SS	BODY		701669U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400	Y
26	SS8022 SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	80022-1SS	BODY		701691U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400	Y
27	SS8022N SER	ALL UL-LISTED	THERMAL EXPANSION RELIEF VALVE (NOT FOR PRIMARY OVER-PRESSURE PROTECTION)	80022-1SS	BODY		701691U	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400	Y
28	TSS3169	ALL	VENT VALVE	3169-1SS	BODY		711107	11550-432	ASTM A582 TYPE 303	UNS S30300	-40	165	400	Y
				3169-1SS	BODY		701647	11550-432	ASTM A582 TYPE 303	UNS S30300				Y

1 Refer to the following document number for drawings covered under this list:
20049d-4, 20049d-5, 20049d-6

THIS IS PART OF CRN
0C24126.25
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

#	TOP-LEVEL ASSY DRAWING	COVERED VALVE NUMBERS	DESC	PART #	PART DESC	DRAWING # (IF ≠ PART #)	FORGING/C ASTING/STO CK #	REGO MATERIAL SPEC	MATERIAL TYPE	MATERIAL #	MIN TEMP (°F)	MAX TEMP (°F)	MAX DESIGN PRESSUR E (PSI)	BASE PART?	ANALYSIS/CALCULATIO N FILE	NOTES
1	A8016DBC	ALL	MULTIPURPOSE VALVE	A8016B-1 7507A-2	BODY BONNET		A8016B-1SC 710316	11550-200 11550-600	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14	UNS F32800 UNS G12144	-20	165	400	Y Y	20049F-3 20049c-2 R0 (FEA)	
2	6532A SER	ALL	MULTIVALVE	6532AN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
3	6532R SER	ALL	MULTIVALVE	6532RN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
4	6533A SER	ALL	MULTIVALVE	6533AN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
5	6533R SER	ALL	MULTIVALVE	6533RN 6532-1 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
6	6542A SER	ALL	MULTIVALVE	6542AN 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	6542AN SER 3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
7	6542R SER	ALL	MULTIVALVE	6542RN 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	6542RN SER 3162C-6 SER	6532-6FA 701244 11550-417 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
8	PT6542A SER	ALL	MULTIVALVE	6542AN-P 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	6542AN SER 3162C-6 SER	6532-6FA 701244 11550-417 7141-2R 701274	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y N Y N Y	20049F-1 20049c-2 R0 (FEA) 20049c-1 20049c-1 20049c-2 R0 (FEA)	

9	PT6542R SER	ALL	MULTIVALVE	6542RN-P 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	6542RN SER 3162C-6 SER	6532-6FA 701244 7141-2R 701274	11550-160 11550-417 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N Y	20049f-1 20049c-2 R0 (FEA) 20049c-1 20049c-1 20049c-2 R0 (FEA)	
10	6543A SER	ALL	MULTIVALVE	6543AN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y	20049f-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
11	6543R SER	ALL	MULTIVALVE	6543RN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6532-6FA 701244 7141-2R	11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y	20049f-1 20049c-2 R0 (FEA) 20049c-1 20049c-1	
12	PT6543A SER	ALL	MULTIVALVE	6543 AN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	6532-6FA 701244 7141-2R 701274	11550-160 11550-417 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y N Y	20049f-1 20049c-2 R0 (FEA) 20049c-1 20049c-1 20049c-2 R0 (FEA)	
13	PT6543R SER	ALL	MULTIVALVE	6543 RN SER 6542-1A 6562-2 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK ASSY BODY FILLER BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	6532-6FA 701244 7141-2R 701274	11550-160 11550-417 11550-417 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000 UNS C36000 UNS C36000	-40	165	250	N Y Y N Y Y N Y	20049f-1 20049c-2 R0 (FEA) 20049c-1 20049c-1 20049c-2 R0 (FEA)	
14	6555D SER	ALL	MULTIVALVE	S6555D 6555-1E 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6555-1FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049f-1 20049c-1 20049c-1	
15	6555R SER	ALL	MULTIVALVE	S6555R 6555-1E 3162C-6 3162C-2 3162C-2	VALVE BLANK ASSY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	6555-1FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40	165	250	N Y N Y Y	20049f-1 20049c-1 20049c-1	
16	7554L SER	ALL	QUICK FILL VALVE	7530-1V 7530A-1V 7554S-5SW 3165CB 3165C-1T 3165C-1 3162C-6 3162C-2 3162C-2	BODY BODY BONNET VENT VALVE ASSY BODY BODY VENT STEM ASSY STEM STEM	3165C SER 3165C-1 3165C-1 3162C-6 SER	7530A-1SC 7530A-1SC 701296 701273 701273 7141-2R	11550-200 11550-200 11550-417 11550-417 11550-417 11550-417 11550-417	ASTM A395 GRADE 60-40-18 ASTM A395 GRADE 60-40-18 ASTM B16 ASTM B16 ASTM B16 ASTM B16 ASTM B16	UNS F32800 UNS F32800 UNS C36000 UNS C36000 UNS C36000 UNS C36000 UNS C36000	-20	165	250	Y Y Y N Y Y N Y Y	20049f-1 20049f-1 20049c-2 R0 (FEA) 20049c-1 20049c-1 20049c-1 20049c-1	

17	7554S SER	ALL	QUICK FILL VALVE	7530-1V	BODY	3165C SER	7530A-1SC	11550-200	ASTM A395 GRADE 60-40-18	UNS F32800	-20	165	250	Y	20049f-1	
				7530A-1V	BODY		7530A-1SC	11550-200	ASTM A395 GRADE 60-40-18	UNS F32800				Y	20049f-1	
				7554S-5SW	BONNET		701296	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3165CB	VENT VALVE ASSY									N		
				3165C-1T	BODY		701273	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3165C-1	BODY		701273	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-6	VENT STEM ASSY									N		
18	7556R SER	ALL	MULTIVALVE	3162C-2	STEM	3162C-6 SER		11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				7556AFT-1A	BODY		7556-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049f-1	
				7556B-3M	VAPOR RETURN BODY		7556B-3F	11550-160	ASTM B283	UNS C37700				Y	20049c-2 R0 (FEA)	
				7556B-3	VAPOR RETURN BODY		701292	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
19	7556RG SER	ALL	MULTIVALVE	3162C-2	STEM	3162C-6 SER	7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				7556AFT-1A	BODY		7556-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049f-1	
				7556B-3M	VAPOR RETURN BODY		7556B-3F	11550-160	ASTM B283	UNS C37700				Y	20049c-2 R0 (FEA)	
				7556B-3	VAPOR RETURN BODY		701292	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
20	7556ZT12.0	ALL	MULTIVALVE	7556AFZ-1A	BODY	3162C-6 SER	7556-1FA	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049f-1	
				7556B-3M	VAPOR RETURN BODY		7556B-3F	11550-160	ASTM B283	UNS C37700				Y	20049c-2 R0 (FEA)	
				7556B-3	VAPOR RETURN BODY		701292	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
21	8118P	ALL	MULTIPURPOSE VALVE	8118P-1	BODY		8118-1F	11550-160	ASTM B283	UNS C37700	-40	165	250	Y	20049f-1	
				7579-2A	UPPER BODY		701244	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				7554-21	BONNET ASSY									N		
				7554-6	BONNET		701296	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
22	8555D SER	ALL	MULTIVALVE	P8555D	VALVE BLANK ASSY	3162C-6 SER					-40	165	250	N		
				8555P-2B	BODY		8555P-2FB	11550-160	ASTM B283	UNS C37700				Y	20049f-1	
				8555PL-2B	BODY		8555P-2FB	11550-160	ASTM B283	UNS C37700				Y	20049f-1	
				8555P-3	UPPER BODY		701244	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
23	8555DL11.6	ALL	MULTIVALVE	N8555DLAL	VALVE BLANK ASSY	3162C-6 SER	N8555DLA				-40	165	250	N		
				8555DL-1A	BODY		8555DL-1F	11550-160	ASTM B283	UNS C37700				Y	20049f-3	
				6562-2	FILLER BODY		701244	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
24	8555DLT SER	ALL	MULTIVALVE	N8555DLA	VALVE BLANK ASSY	3162C-6 SER	8555DL-1F	11550-160	ASTM B283	UNS C37700	-40	165	250	N		
				8555DL-1A	BODY		701244	11550-417	ASTM B16	UNS C36000				Y	20049f-3	
				6562-2	FILLER BODY									Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
25	8555R SER	ALL	MULTIVALVE	P8555R	VALVE BLANK ASSY	3162C-6 SER	8555P-2FB	11550-160	ASTM B283	UNS C37700	-40	165	250	N		
				8555P-2B	BODY		8555P-2FB	11550-160	ASTM B283	UNS C37700				Y	20049f-1	
				8555PL-2B	BODY		8555P-2FB	11550-160	ASTM B283	UNS C37700				Y	20049f-1	
				8555P-3	UPPER BODY		701244	11550-417	ASTM B16	UNS C36000				Y	20049c-2 R0 (FEA)	
				3162C-6	VENT STEM ASSY									N		
				3162C-2	STEM			11550-417	ASTM B16	UNS C36000				Y	20049c-1	
				3162C-2	STEM		7141-2R	11550-417	ASTM B16	UNS C36000				Y	20049c-1	
26	8556 SER	ALL	CYLINDER VALVE	8556NA	VALVE BLANK ASSY	8556N SER					-40	165	250	N		
				8556N	VALVE BLANK ASSY									N		
				8556-1Y	BODY		8556-1F	11550-160	ASTM B283	UNS C37700				Y	20049f-2	
				8556PAN	VALVE BLANK ASSY		8556-1F	11550-160	ASTM B283	UNS C37700				Y	20049f-2	

27	8593AL SER	ALL	MULTIVALVE	8593AG-6A 8475-6L 7556B-3M 7556B-3	BODY UPPER FILLER BODY VAPOR RETURN BODY VAPOR RETURN BODY		8593-6F 701244 7556B-3F 701292	11550-160 11550-417 11550-160 11550-417	ASTM B283 ASTM B16 ASTM B283 ASTM B16	UNS C37700 UNS C36000 UNS C37700 UNS C36000	-40 165 250	Y Y Y	20049f-2 20049c-2 R0 (FEA) 20049c-2 R0 (FEA) 20049c-2 R0 (FEA)	
28	9101C1 SER	ALL	CYLINDER VALVE	9101C1-1B	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	Covered by 9101D-1A
29	9101D SER	ALL	CYLINDER VALVE	9101DN 9101D-1A 9101DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101D-1FA 9101D-1FA 11550-417 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40 165 250	N Y Y Y	20049f-2 20049f-2 20049c-1 20049c-1	Covered by 9101D-1A
30	9101DK SER	ALL	CYLINDER VALVE	9101DKB P9101-1EFS	VALVE BLANK BODY		9101-1AF	11550-160	ASTM B283	UNS C37700	-40 165 250	N Y	20049f-3	
31	9101DNP SER	ALL	CYLINDER VALVE	P9101-1A 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101-1AF 11550-417 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40 165 250	Y N Y Y	20049f-3 20049c-1 20049c-1	
32	9101DP SER	ALL	CYLINDER VALVE	P9101-1A 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9101-1AF 11550-417 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40 165 250	Y N Y Y	20049f-3 20049c-1 20049c-1	
33	9101DS SER	ALL	CYLINDER VALVE	9101DSB P9101-1S	VALVE BLANK BODY		9101-1AF	11550-160	ASTM B283	UNS C37700	-40 165 250	N Y	20049f-3	
34	9101R1S SER	ALL	CYLINDER VALVE	9101R1-1	BODY		9101D-1FA	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	Covered by 9101D-1A
35	9101RP5HT	ALL	CYLINDER VALVE	9101-2AP	BODY		9101-2AF	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	
36	9102D SER	ALL	CYLINDER VALVE	9102DN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9102D-1FA 9102D-1FA 11550-417 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40 165 250	N Y Y N Y Y	20049f-2 20049f-2 20049c-1 20049c-1	Covered by 9102D-1A
37	9102R SER	ALL	CYLINDER VALVE	9102RN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9102D-1FA 9102D-1FA 11550-417 7141-2R	11550-160 11550-160 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000	-40 165 250	N Y Y N Y Y	20049f-2 20049f-2 20049c-1 20049c-1	Covered by 9102D-1A
38	PT9102D SER	ALL	CYLINDER VALVE	PT9102DN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	9102D-1FA 9102D-1FA 11550-417 7141-2R 701274	11550-160 11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40 165 250	N Y Y N Y N Y	20049f-2 20049f-2 20049c-1 20049c-1 20049c-2 R0 (FEA)	Covered by 9102D-1A
39	PT9102R SER	ALL	CYLINDER VALVE	PT9102RN 9102D-1A 9102DL-1A 3162C-6 3162C-2 3162C-2 PT2000-7 PT2000-1	VALVE BLANK BODY BODY VENT STEM ASSY STEM STEM PRESTO-TAP BODY	3162C-6 SER	9102D-1FA 9102D-1FA 11550-417 7141-2R 701274	11550-160 11550-160 11550-417 11550-417 11550-417	ASTM B283 ASTM B283 ASTM B16 ASTM B16 ASTM B16	UNS C37700 UNS C37700 UNS C36000 UNS C36000 UNS C36000	-40 165 250	N Y Y N Y N Y	20049f-2 20049f-2 20049c-1 20049c-1 20049c-2 R0 (FEA)	Covered by 9102D-1A
40	9103COA	ALL	CYLINDER VALVE	9103C0-1B	BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	
41	9103COAS	ALL	CYLINDER VALVE	9103C0-1B	BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	
42	9103C0AT 9103COAT	ALL	CYLINDER VALVE	9103C0A 9103C0-1B	VALVE BLANK BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40 165 250	N Y	20049f-2	
43	9103COATS	ALL	CYLINDER VALVE	9103C0-1B	BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	
44	9103C0B	ALL	CYLINDER VALVE	9103C0A 9103C0-1B	VALVE BLANK BODY		9103-2FA	11550-160	ASTM B283	UNS C37700	-40 165 250	N Y	20049f-2	

45	9103D SER	ALL	CYLINDER VALVE	9103DAN 9103D-1B 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9103-2FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40 165 250	N Y N Y Y	20049f-2 20049c-1 20049c-1	
46	9103DANT	ALL	CYLINDER VALVE	9103DAN 9103D-1B 3162C-6 3162C-2 3162C-2	VALVE BLANK BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9103-2FA 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40 165 250	N Y N Y Y	20049f-2 20049c-1 20049c-1	
47	9103T9F	ALL	CYLINDER VALVE	9107-1B 2759-6A	BODY CHECK BODY		9107-1F 701233	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40 165 250	Y Y	20049f-2 20049c-2 R0 (FEA)	
48	9103T9FT	ALL	CYLINDER VALVE	9103T9F 9107-1B 2759-6A	VALVE BLANK BODY CHECK BODY		9107-1F 701233	11550-160 11550-417	ASTM B283 ASTM B16	UNS C37700 UNS C36000	-40 165 250	N Y Y	20049f-2 20049c-2 R0 (FEA)	
49	9106C0	ALL	CYLINDER VALVE	9106C0-1	BODY		9106-1AF	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	
50	9106C0T	ALL	CYLINDER VALVE	9106C0 9106C0-1	VALVE BLANK BODY		9106-1AF	11550-160	ASTM B283	UNS C37700	-40 165 250	N Y	20049f-2	
51	9107K SER-A	ALL	CYLINDER VALVE	9107-1A 3162C-6 3162C-2 3162C-2	BODY VENT STEM ASSY STEM STEM	3162C-6 SER	9107-1F 7141-2R	11550-160 11550-417 11550-417	ASTM B283 ASTM B16 ASTM B16	UNS C37700 UNS C36000 UNS C36000	-40 165 250	Y N Y Y	20049f-2 20049c-1 20049c-1	
52	9107K SER-B	ALL	CYLINDER VALVE	9107-1D	BODY		9107-1F	11550-160	ASTM B283	UNS C37700	-40 165 250	Y	20049f-2	
53	A8016D SER	ALL	MULTIPURPOSE VALVE	A8016B-1 7507A-2 TSS3169 3169-1SS 3169-1SS	BODY BONNET VENT VALVE ASSY BODY BODY		A8016B-1SC 710316 711107 701647	11550-200 11550-600 11550-432 11550-432	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14 ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS F32800 UNS G12144 UNS S30300 UNS S30300	-20 165 400	Y Y N Y Y	20049f-3 20049c-2 R0 (FEA) 20049c-1 R0 20049c-1 R0	
54	A8017D SER	ALL	LIQUID VALVE	A8017B-1 7507A-2 TSS3169 3169-1SS 3169-1SS	BODY BONNET VENT VALVE ASSY BODY BODY		A8018B-1SC 710316 711107 701647	11550-200 11550-600 11550-432 11550-432	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14 ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS F32800 UNS G12144 UNS S30300 UNS S30300	-20 165 400	Y Y N Y Y	20049f-3 20049c-2 R0 (FEA) 20049c-1 R0 20049c-1 R0	
55	A8017DL SER	ALL	LIQUID VALVE	A8017BL-1 TSS3169 3169-1SS 3169-1SS 7507A-2	BODY VENT VALVE ASSY BODY BODY BONNET		A8018B-1SC 711107 701647 710316	11550-200 11550-432 11550-432 11550-600	ASTM A395 GRADE 60-40-18 ASTM A582 TYPE 303 ASTM A582 TYPE 303 ASTM A108 GRADE 12L14	UNS F32800 UNS S30300 UNS S30300 UNS G12144	-20 165 400	Y N Y Y Y	20049f-3 20049c-1 R0 20049c-1 R0 20049c-2 R0 (FEA)	
56	A8018D SER	ALL	LIQUID VALVE	A8018B-1 A7579-2 7507A-2 TSS3169 3169-1SS 3169-1SS	BODY UPPER BODY BONNET VENT VALVE ASSY BODY BODY		A8018B-1SC 710260 710316 711107 701647	11550-200 11550-601 11550-600 11550-432 11550-432	ASTM A395 GRADE 60-40-18 ASTM A108 GRADE 12L14 ASTM A108 GRADE 12L14 ASTM A582 TYPE 303 ASTM A582 TYPE 303	UNS F32800 UNS G12144 UNS G12144 UNS S30300 UNS S30300	-20 165 400	Y Y N Y Y	20049f-3 20049c-2 R0 (FEA) 20049c-2 R0 (FEA) 20049c-1 R0 20049c-1 R0	

Montréal, le 4 juillet 2024.

NICOLE KILGORE
PRESSURE VESSEL ENGINEERING LTD.
1-1440 KING STREET NORTH, PO BOX
ST. JACOB'S ONTARIO
CANADA N0B 2N0

Manufacturer : ENGINEERED CONTROLS INTERNATIONAL INC.
100 REGO DRIVE
ELON NORTH CAROLINA
U.S.A. 27244

OUR REFERENCE : 943785
Design number : Refer Scope 20049s-1

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): **0C24126.26**.

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
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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: Engineered Controls International, LLC	
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America	
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fuel gas plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2002
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☒ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

DECLARATION:

I, Zac Ruben (see note 3) employed by Engineered Controls International 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 and 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 and every fabrication occurs in whole or in part and has been verified by DQS 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 Alamance Co, North Carolina

This 9th day of November AD 2003

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

U.S. PUBLIC FOR
GILFORD COUNTY, NC

This space for Regulatory Authority use

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

CRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.

ACCEPTED
PROVINCE OF PRINCE EDWARD ISLAND
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. 0C24126.29

DATE: JUN 28/24

INSPECTION SERVICES SECTION
BOILER/PRESSURE VESSEL BRANCH

Fittings Rev. 1 09/2003

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: Shanghai Rego Flow Technology Co., Ltd.	
MANUFACTURERS ADDRESS: 34th Building, No.6889, Chuensha Road, Pudong New Area, Shanghai, P.R. China	
PLANT LOCATIONS: 34th Building, No.6889, Chuensha Road, Pudong New Area, Shanghai, P.R. China	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☐ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure-retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1: ☐ Class 2: ☐ Class 3: ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

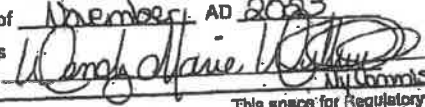
DECLARATION:

I, Zac Rubor (see note 3) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

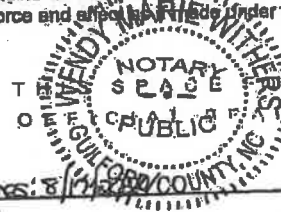
Signature of Declarer: 

Declared before me at Alamogordo, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

U S E T



This registration must be revalidated after ten (10) years from date of acceptance. CRN: <u>OC24126 2</u> FID#: <u>1704</u>	ACCEPTED PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT C.R.N. <u>OC24126.29</u> DATE: <u>JUN 28/24</u>  INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH Sect 1.0 - Fittings Rev. 1 06/2003
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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 at a maximum interval of five (5) years.

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

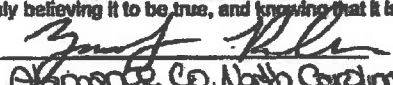
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC	
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America	
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☒ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20048s-1 Scope document: 20048s-1 outlining design condition, drawing and material	

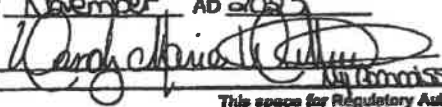
DECLARATION:

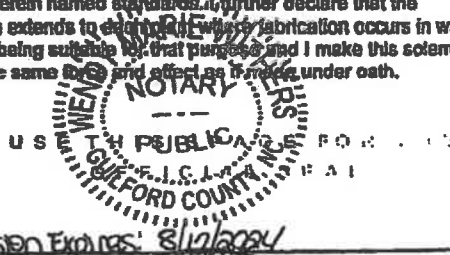
I, Zac Ruben (sole name) employed by Engineered Controls International and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which 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 design, production, fabrication occurs in whole or in part and has been verified by PQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

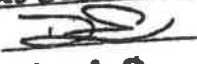
Signature of Declarer: 

Declared before me at Alamonte Co, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 



This registration must be revalidated after ten (10) years from the date of acceptance. GRN: <u>OC24126.2</u> FID#: <u>1704</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 at a maximum interval of five (5) years.	ROLES & PRESSURE VESSELS Date <u>June 28/24</u> C.R.N. <u>OC24126.28</u> Dwg. <u>as described</u> Signed  <u>1 of 2</u> Part ACT & REGULATIONS Fittings Rev. 1 06/2003
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

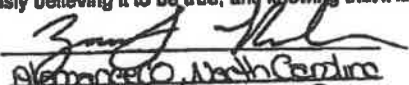
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Shanghai Rego Flow Technology Co., Ltd.		
MANUFACTURERS ADDRESS: 34th Building, No.8999, Chuansha Road, Pudong New Area, Shanghai, P.R. China		
PLANT LOCATIONS: 34th Building, No.8999, Chuansha Road, Pudong New Area, Shanghai, P.R. China		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 		TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material		

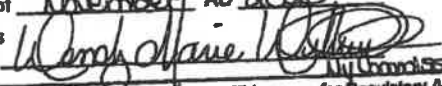
DECLARATION:

I, Zac Rubear (see note 3) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

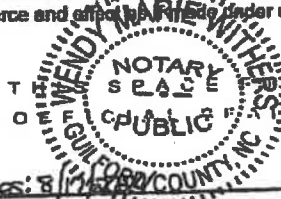
Signature of Declarer: 

Declared before me at Halifax, Nova Scotia

This 04th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

U S E T



This space for Regulatory Authority use

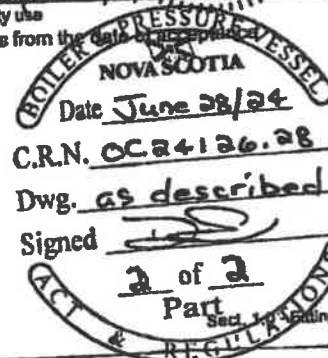
This registration must be revalidated after ten (10) years from the date of registration

CRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

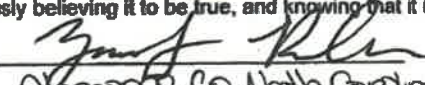
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC	
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America	
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

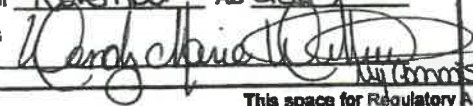
DECLARATION:

I, Zac Rubec (see note 3) employed by Engineered Controls International 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 and 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 part where fabrication occurs in whole or in part and has been verified by DQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

Declared before me at Albemarle Co, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

U.S. PUBLIC SAFETY FOR NEW BRUNSWICK DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT
REGISTRATION ONLY CRN <u>0C24126.27</u>  CHIEF BOILER INSPECTOR DATE <u>6/28/24</u>
Sect. 1.0 - Fittings Rev. 1 06/2003 ☐ BLRs ☐ PVs ☒ FITTINGS ☐ NUCLEAR COMPONENTS

CRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

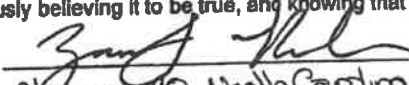
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Shanghai Rego Flow Technology Co., Ltd.		
MANUFACTURERS ADDRESS: 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China		
PLANT LOCATIONS: 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 		TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material		

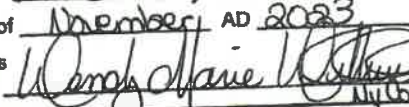
DECLARATION:

I Zac Ruber (see note 3) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

Declared before me at Wilmington, North Carolina

This 9th day of November, AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

USE THIS SPACE
 NOTARY PUBLIC
 WENDY MARIE WILKERSON
 BRUNSWICK
 DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

CRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.

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

REGISTRATION ONLY

CRN 0C24126.27


 CHIEF BOILER INSPECTOR

DATE 6/28/24

Sect. 1.0 - Fittings Rev. 1 06/2003

☐ BLRs

☐ PVs

☒ FITTINGS ☐ NUCLEAR COMPONENTS

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: Engineered Controls International, LLC	
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America	
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

DECLARATION:

I, Zac Ruber (see note 3) employed by Engineered Controls International 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 and 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 and every fabrication occurs in whole or in part and has been verified by DQS 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: Zac Ruber

Declared before me at Albemarle Co, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) Dorothy Christy

My Commission Expires: 8/12/2024



This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance. Newfoundland Labrador	
CRN: <u>OC24126.2</u>	Registered <u>OC24126.20</u>
FID#: <u>1704</u>	Date <u>July 2, 2024</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 at a maximum interval of five (5) years.	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

Ed. 1.0 - Fittings Rev. 1 08/2003

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

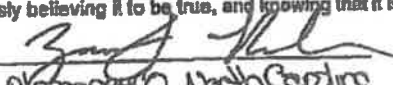
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Shanghai Rego Flow Technology Co., Ltd	
MANUFACTURERS ADDRESS: 34th Building, No.6999, Chuensha Road, Pudong New Area, Shanghai, P.R. China	
PLANT LOCATIONS: 34th Building, No.6999, Chuensha Road, Pudong New Area, Shanghai, P.R. China	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☐ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☒ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 200486-1 Scope document: 200486-1 outlining design condition, drawing and material	

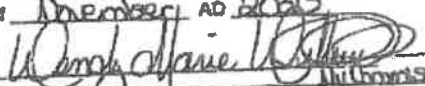
DECLARATION:

I, Zac Rubec (see note 3) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

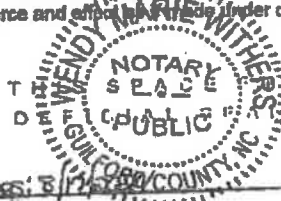
Signature of Declarer: 

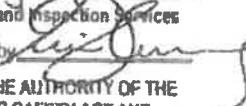
Declared before me at Alamogordo, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

U S E T



This space for Regulatory Authority Use This registration must be revalidated after ten (10) years from the date of acceptance. Labrador	
CRN: <u>0C24126 2</u> FID#: <u>1704</u>	Registered <u>0C24126 20</u> Date <u>July 2, 2024</u> Engineering and Inspection Services Registered by  UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS
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 at a maximum interval of five (5) years.	

Sec. 1.0 - Fittings Rev. 1 05/2003

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

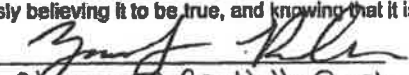
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC		
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America		
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 		TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material		

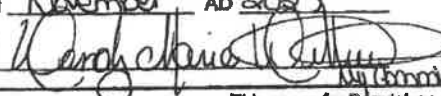
DECLARATION:

I, Zac Rubear (see note 3) employed by Engineered Controls International 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 and 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 part where fabrication occurs in whole or in part and has been verified by DQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

Declared before me at Alamance Co, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

NOTARY PUBLIC
WENDELL
GUILFORD COUNTY, NC

This space for Regulatory Authority use

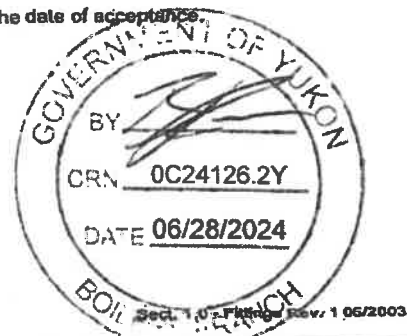
This registration must be revalidated after ten (10) years from the date of acceptance.

GRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

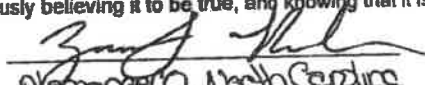
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Shanghai Rego Flow Technology Co., Ltd.	
MANUFACTURERS ADDRESS: 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China	
PLANT LOCATIONS: 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

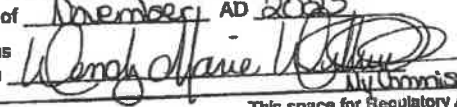
DECLARATION:

I, Zac Ruben (see note 3) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

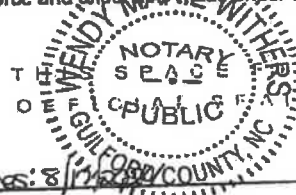
Signature of Declarer: 

Declared before me at Alexandria, North Carolina

This 9th day of November, AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

U S E T



This space for Regulatory Authority use

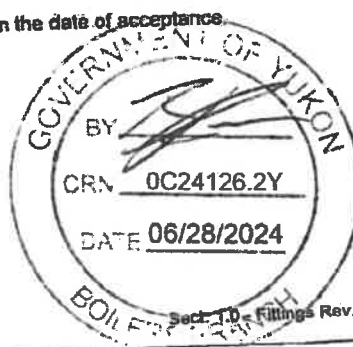
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.



Section 10, Fittings Rev. 1 06/2003

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

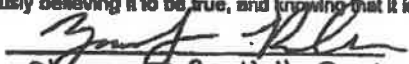
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC	
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America	
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☐ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARDS OF CONSTRUCTION ASME B31.3 ED 2002
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WILDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

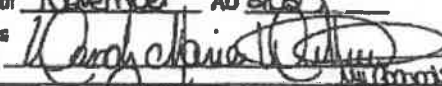
DECLARATION:

I, Zac Ruben (see note 3) employed by Engineered Controls International 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 and 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 and every fabrication occurs in whole or in part and has been verified by DQS 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.

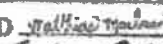
Signature of Declarant: 

Declared before me at Alamonte Co, North Carolina

This 9th day of November AD 2003

Commissioner of Oaths
or Notary Public: (sign) 



This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. CRN: <u>0C24126.2</u> FID#: <u>1704</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 at a maximum interval of five (5) years.	Northwest Territories REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>0C 24126.2T</u> SIGNED <u></u> DATE <u>Nov 9 2003</u> Rev. 1 06/2003
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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: Shanghai Rego Flow Technology Co., Ltd.		
MANUFACTURERS ADDRESS: 34th Building, No.8999, Chuansha Road, Pudong New Area, Shanghai, P.R. China		
PLANT LOCATIONS: 34th Building, No.8999, Chuansha Road, Pudong New Area, Shanghai, P.R. China		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and flexible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 		TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material		

DECLARATION:

I, Zac Ruber (name in full) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose. 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.

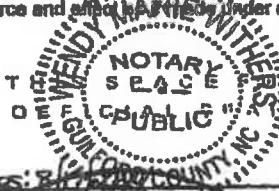
Signature of Declarer: [Signature]

Declared before me at Wilmington, North Carolina

This 09th day of November AD 2023

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

USE T



This space for Regulatory Authority use

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

CRN: 0C24126.2

FID#: 1704

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 at a maximum interval of five (5) years.

Northwest
Territories
**REGISTERED
UNDER THE AUTHORITY OF
THE BOILER AND PRESSURE
VESSEL ACT.**

C.R.N. 0C24126.2T

SIGNED [Signature] Wilmington Nov. 1 06/2003

DATE July 2 2024

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

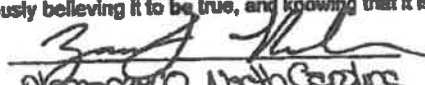
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Shanghai Rego Flow Technology Co., Ltd.	
MANUFACTURERS ADDRESS: 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China	
PLANT LOCATIONS: 34th Building, No.6999, Chuansha Road, Pudong New Area, Shanghai, P.R. China	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ K Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

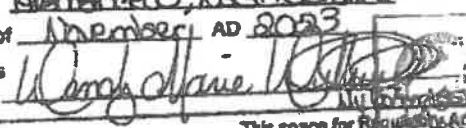
DECLARATION:

I, Zac Rubcor (see note 3) employed by Shanghai Rego Flow Technology 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 and 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 CQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

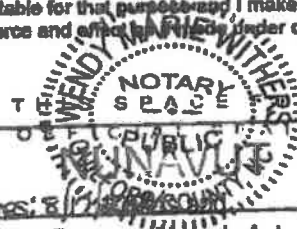
Signature of Declarer: 

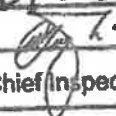
Declared before me at Moncton, New Brunswick

This 9th day of November, AD 2023

Commissioner of Oaths
or Notary Public: (sign) 

USE THIS SPACE FOR NOTARY PUBLIC SIGNATURE



This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0C24126.2</u> FID#: <u>1704</u>	REGISTERED CRN <u>0C24126.2N</u> Date <u>06/28/2024</u> Signed  Chief Inspector
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 programme shall be resubmitted for validation at a maximum interval of five (5) years.	
Territorial Registration Fee	

8404-10-01-0000 Rev 1 06/2003

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

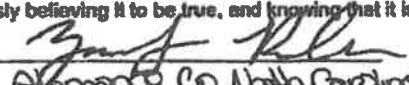
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC	
MANUFACTURERS ADDRESS: 100 RegO Drive, Elon, NC 27244, United States of America	
PLANT LOCATIONS: 100 RegO Drive, Elon, NC 27244, United States of America	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ☐ A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers ☐ B Flanges: all flanges ☒ C Valves: all line valves ☐ D Expansion joints, flexible connections, and hose assemblies: all types ☐ E Strainers, filters, separators, and steam traps ☐ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters ☐ G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs ☐ H Pressure retaining components that do not fall into one of the above categories ☐ N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ED 2022
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: See Scope Document 20049s-1 Scope document: 20049s-1 outlining design condition, drawing and material	

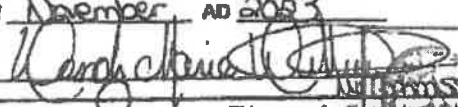
DECLARATION:

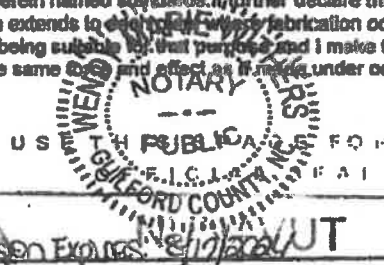
I, Zac Ruben (see note 3) employed by Engineered Controls International and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which 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 fitting whose fabrication occurs in whole or in part and has been verified by DQS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

Declared before me at Alamonte Co, North Carolina

This 9th day of November AD 2023

Commissioner of Oaths
or Notary Public: (sign) 



CRN: <u>0C24126.2</u> FID#: <u>1704</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 at a maximum interval of five (5) years.	This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. Nunavut Co.ers and Pressure Vessels Act REGISTERED CRN <u>0C24126.2N</u> Date <u>06/28/2024</u> Signed  Chief Inspector Sect. 1.0 - Fittings Rev. 1 06/2003 Territorial Registration Fee
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