

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

www.tssa.org

March 08, 2019

SCOTT ISLIP ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6 CA

Service Request Type.: BPV-National ACI Central

Service Request No.: 2453640 Your Reference No.: R-0987

Registered to.: API HEAT TRANSFER

Dear SCOTT ISLIP,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: R5022.59870YTN.

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

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

Yours truly,

Tanya Francis Administrative Assistant_ BPV Engineering

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

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-568-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Steve Townsend

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave Buffalo, NY 14225

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunewick. We recommend this design be registered in your Jurtsdiction under;

CRN: R5022.5

Unit Description	Drawing Numb	et Service	Design Code
After Cooler	1510-08-036-023 rev 2	Non Lethal	ASME Sect VIII Div. 1
Shell	Side	Tube	Side
MAWP @ TEMP	MDMT @: MAWP	MAWP @ TEMP	MDMT @ MAWP
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+20 F @ 150 PSI

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Test Pressure: Hydro: 390 PSI	Pneu:	Test Pressure: Hydro: 195 PSI	Pneu:
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Part	Material	Des. f"	Act. t"	CA"	% EF	RT	PWHT	Dimensions :	Notes
Shell	SA 53 B	0.242	0.277	0.063	100			OD"; 8.625°	•
T.Sheet	SA 516 70	D.430	0.9375	0.125				OAL"; 40.5°	
Tubes	SB 75 C12200	0.0162	0.018	•	100	444		W':	
Head	SA 516 70N	0,763	1.250		100			H":	
]	i			HS FT2:	

Notes:

- The return of this form, bearing the signeture and stamp of the Jurisdiction will legally establish the CRN shown on this form. A copy of the Design bearing the CRN will be sent to the
- Manufacturer.
- Details including service conditions will be posted on the 'Silent inspector' Bulletin Board.
- Copies of the Design and Specifications are available to ACIC Members on demand.
- The form will be a permanent ACIC record.
- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27861

<u>Description:</u> After Cooler, LS-160 (200 HP)
ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

ACCEPTED PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT

C.R.N.

DATE:

INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH

Sect. 2.0-BPV Rev. 1 06/2003

12-14-2018

ACI Central Inc.

20 McAulay Court, Charlottelown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Donnie Ehler

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R5022.5

Unit Description	Drawing Numb	er Service	Design Code
After Cooler	1510-08-036-023 rev 2	Non Lethal	ASME Sect VIII Div. 1
Shell Sid	de	Tube	Side
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
300 PSI @ 300 F +	20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI

Test Pressure: Hydro: 390 PSI Pneu: Test Pressure: Hydro: 195 PSI Pneu:

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0,277	0.063	100			OD": 8.625"	1
T.Sheet	SA 516 70	0.430	0.9375	0.125	:	. :		OAL": 40.5"	
Tubes	SB 75 C12200	0.0162	0.018	-	100			W":	
Head	SA 516 70N	0.763	1.250		100			Hr:	:
		1			Ī	1		HS FT ² :	:

Notes:

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- A copy of the Design bearing the CRN will be sent to the Manufacturer.
- Details including service conditions will be posted on the 'Silent inspector' Bulletin Board.
- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- To reduce turneround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27881

Description: After Cooler, LS-160 (200 HP)

ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



Dwg. 1510-08-036-023 Rev.2



Sect. 2.0-BPV Rev. 1 06/2003

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Eben Creaser

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R5022.5

Unit Description	Drawing Number	Service	Design Code
After Cooler 1510-08-036-023 rev 2		Non Lethal	ASME Sect VIII Div. 1
Shall Sida	***************************************	Tubo	Sido

 MAWP @ TEMP
 MDMT @ MAWP
 MAWP @ TEMP
 MDMT @ MAWP

 300 PSI @ 300 F
 + 20 F @ 300 PSI
 150 PSI @ 300 F
 + 20 F @ 150 PSI

Test Pressure: Hydro: 390 PSI Pneu: Test Pressure: Hydro: 195 PSI Pneu:

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100			OD": 8.625"	
T.Sheet	SA 516 70	0.430	0.9375	0.125				OAL": 40.5"	
Tubes	SB 75 C12200	0.0162	0.018	-	100			W":	
Head	SA 516 70N	0.763	1.250		100			H":	
								HS FT ² :	

This space is for Jurisoffotional stamp and signature Notes: The return of this form, bearing the signature and stamp of the Jurisdiction will legally establish the CRN shown on this form. 2-A copy of the Design bearing the CRN will be sent to the Manufacturer. DEPT OF JUSTICE PUBLIC SAFETY Details including service conditions will be posted on the **BOILER & PRESSURE VESSEL ACT** 'Silent Inspector' Bulletin Board. Copies of the Design and Specifications are available to ACIC **REGISTRATION ONLY** Members on demand. The form will be a permanent ACIC record. To reduce turnaround times to a minimum fax your response to 902-566-3133. ACIC Log#: 27881 Description: After Cooler, LS-160 (200 HP) ASME Stamp, National Board Registered □BLRs NUCLEAR COMPONENTS06/2003 FITTINGS

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Stephen Higdon

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R5022.5

	<u> </u>	***************************************	
Unit Description	Drawing Numb	er Service	Design Code
After Cooler	1510-08-036-023 rev 2	Non Lethal	ASME Sect VIII Div. 1
Shel	ll Side	Tube	Side
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI

Test Pressure: Hydro: 390 PSI Test Pressure: Hydro: 195 PSI Pneu: Pneu:

Part	Material	Des. t"	Act. t"	CA"	% EF RT PWH	T Dimensions	Notes
Shell	SA 53 B	0 242	0,277	0,053	100	OD": 8.625"	
T.Sheet	SA 516 70	0.430	0.9375	0,125	to the energy and only observable south of the trades on a \$2 december 2 graduate the	OAL": 40.5"	
Tubes	SB 75 C12200	0.0162	0.018	-	190	W:	
Hoad	SA 516 70N	0,763	1.250	1	190	H"·	
J. 11.			1	1		HS FT*:	

Notes:

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- Copies of the Design and Specifications are available to ACIC Members on demand
- The form will be a permanent ACIC record.
- To reduce turnaround times to a minimum fax your response to 902-566-3133

ACIC Log#: 27881

Description: After Cooler, LS-160 (200 HP)
ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

Newfortridland

Service NL

Registered R5022.50

UNDER THE AUTHORITY OF THE PIPLIC CAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRISED GAS REGULATIONS

Sect 2.0-BPV Rev. 1 06/2003

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Blair Rawlings

Date: 12/12/2018

From: ACI Central Inc.

Manufacturer: API Heat Transfer

2777 Walden Ave Buffalo, NY 14225 Manufacturer #: PV-9378

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN- P5022 5

	OI.	(14. 1\00LL.0		
Unit Description	Drawing Numb	er Service	Design Code	
After Cooler	1510-08-036-023 rev 2	Non Lethal	ASME Sect VIII Div. 1	
She	II Side	Tube Side		
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP	
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI	

Test Pressure: Hydro: 390 PSI Pneu: Test Pressure: Hydro: 195 PSI Pneu:

Part	Material	Des. t"		CA"	% EF RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.063	100		OD": 8.625"	
T.Sheet	SA 516 70	0.430	0.9375	0.125			OAL": 40.5"	
Tubes	SB 75 C12200	0.0162	0.018	1-	100		W":	
Head	SA 516 70N	0.753	1.250		100		H":	
1.	The state of the s			•			HS FT2:	

Notes:

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- Copies of the Design and Specifications are available to ACIC Members on demand.
- The form will be a permanent ACIC record.
- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27881

<u>Description:</u> After Cooler, LS-160 (200 HP)
ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottelown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Matthias Mailman

Date: 12/12/2018

From: ACI Central Inc.

Test Pressure: Hydro: 195 PSI

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave Buffalo, NY 14225

Subject: ACI Central Design Review

Test Pressure: Hydro: 300 PSI

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Moncton, New Brunswick. We recommend this design be registered in your Jurisdiction under:

CRN: R5022.5

Unit Description	Drawing Numb	per Service	Design Code			
After Cooler	1510-08-036-023 rev 2	Non Lethal	ASME Sect VIII DIV, 1			
Shell	Side	Tube Side				
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP			
300 PSI @ 300 F	+ 20 F @ 300 PSI	150 PSI @ 300 F	+ 20 F @ 150 PSI			

Test (tessare, tryate, say FS) Filed.				71.04 THE TOTAL OF THE PERSON	Tost ressure. Tydro, 135 PSI 11160.						
Part	Material	Des. t"	Act. t"	CA"	% EF	RT PWHT	Dimensions	Notes			
Shell	SA 53 B	0.242	0.277	0.063	100		OD": 8.625"	_			
T.Sheot	SA 516 70	0.430	0.9375	0.125		,	OAL": 40.5"				
Tubes	SB 75 C12200	0.0162	0.016	- · · ·	100	- I	W":				
Head	SA 516 70N	0.763	1.250		100		H":				
,							HS FT2:				

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- Manufacturer.
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- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 27881

<u>Description:</u> After Coolor, LS-160 (200 HP)
ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature 82.00 Northwest Territories REGISTERED JNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT.

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Sect, 2.0-8PV Rev. 1 06/2003

20 McAulay Court, Charlottetown, PE C1A 9M7 P.O. Box 53, Charlottetown, PE. C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation to Register - Pressure Vessel Design

To: Muhammad Wani

Date: 12/12/2018

From: ACI Centra, Inc.

Manufacturer: API Heat Transfer

Manufacturer #: PV-9378

2777 Walden Ave. Buffalo, NY 14225

Subject: ACI Central Design Review

The product described on this form has satisfied the requirements for review of pressure vessel designs established by the Directors of ACI Central at their September 1994 meeting in Monoton, New Brunswick. We recommend this design be registered in your Jurisd-clien under,

CRN: R5022.5

Unit Description

Drawing Number

Service

Design Code

After Cooler

Non Lethal

ASME Sect VIII Div. 1

1510-08-036-023 rev 2

Tube Side

Shell Side MAWP at TEMP

MDMT @ MAWP

MAWP or TEMP

MDMT & MAWP

300 PSI@ 300 F

+ 20 F @ 300 PSI

150 PSI @ 300 F

+ 20 F @ 150 PSI

Test Pressure. Hydro 390 PSI

Pneu:

Test Pressure. Hydro: 195 PSI

Pneu:

Part	Material	Des. t"	Act. t"	CA" 0.063	% EF	RT	PWHT	Dimensions OD": 3.625"	Notes
T.Sheet	SA 516 70	0.430	0.9375	0.125				OAL* 40.5*	
Tubes	SB 75 C12200	0.0162	810.0		100			W ":	
Head	SA 516 70N	0.763	1,250		.00			'H"	
								HS FTY	

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- Copies of the Design and Specifications are available to ACIC Members on demand
- The form will be a permanent ACIC record
- To reduce turnaround times to a informum fax your response to 902-566-3133

ACIC Log#: 27881

Description After Cooler, LS-160 (200 HP)

ASME Stamp, National Board Registered

Pressure Vassels Act Territorial Régistration Fee

Sect 2.9-3PV Rev. 1.08(30)