

ACI Central Inc.

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: Nancy Chlason

Date: 01/24/2025

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 Monton, New Brunswick. We recommend this design be registered in your jurisdiction under:

CRN: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev'3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 380 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI. Type 500, 08072
T.Sheet	SA 516 70	0.668	0.875	0.125				OAL": 78.5"	
Tubes	SB 75 C12200	0.016	0.018		100			W":	
Heads	SA 516 70N	0.817	1.250	0.0625	100			H":	
								HS.FT": 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Lot#: 36670

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

ACCEPTED
 PROVINCE OF PRINCE EDWARD ISLAND
 C.R.N.: Z8120.29 Rev1
 DATE: January 24 2025
 SIGNED: [Signature]
 INSPECTION SERVICES SECTION
 BOILER/PRESSURE VESSEL BRANCH

ACI Central Inc.

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: Donnie Ehler

Date: 01/24/2025

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: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev 3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 380 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI. Type 500, 08072
T.Sheet	SA 516 70	0.669	0.875	0.125				OAL": 76.5"	
Tubes	SB 75 C12200	0.016	0.018	-	100			W":	
Heads	SA 516 70N	0.817	1.250	0.0625	100			H": HS FT": 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 38670

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



C.R.N. **Z8120.28 Rev. 1**

Dwg. **1510-08-072-037 rev. 3**

Signed



ACI Central Inc.

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: 01/24/2025

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: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev 3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 360 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI. Type 500, 08072
T.Sheet	SA 516 70	0.669	0.875	0.125				OAL": 76.5"	
Tubes	SB 75 C12200	0.016	0.018	-	100			W":	
Heads	SA 516 70N	0.817	1.250	0.0625	100			H": HS FT?: 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 36670

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature
 New Brunswick
Brunswick
 DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL

REGISTRATION ONLY
 CRN Z8120.27 Rev1

Eben Creaser
 CHIEF BOILER

DATE 1/24/25

BLRs
 FITTINGS

Sect. 2.0-BPV Rev. 1 06/2003

ACI Central Inc.

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

Recommendation to Register – Pressure Vessel Design

To: Engineering & Inspection Service

Date: 01/24/2025

From: ACI Central Inc.

Manufacturer: API Heat Transfer
 2777 Walden Ave
 Buffalo, NY 14226

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: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev 3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 360 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA ²	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI. Type 500, 08072
T.Sheet	SA 516 70	0.659	0.675	0.125				OAL": 78.5"	
Tubes	SB 75 C12200	0.016	0.018	-	100			W":	
Heads	SA 516 70N	0.817	1.250	0.0625	100			H":	
								HS FT ² : 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the "Silent Inspector" Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-568-3133.

ACIC Log#: 36670

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

Newfoundland
 Labrador

Registered Z8120.20 Rev1
 Date Jan 23 2025
 Engineering and Inspection Services
 Registered by *[Signature]*

UNDER THE AUTHORITY OF THE
 PUBLIC SAFETY ACT AND
 THE BOILER, PRESSURE VESSEL AND
 COMPRESSED GAS REGULATIONS

ACI Central Inc.

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: 01/24/2025

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: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev 3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 360 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
--	--

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53.8	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI. Type 500, 08072
T.Sheet	SA 516 70	0.669	-0.875	0.125				OAL": 76.5"	
Tubes	SB 75 C12200	0.018	0.018	-	100			W":	
Heads	SA 516 70N	0.817	1.250	0.0625	100			H":	
								HS FT ² : 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 36870

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



ACI Central Inc.

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: Matthias Mailman

Date: 01/24/2025

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: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev 3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 360 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI. Type 500, 08072
T.Sheet	SA 516 70	0.669	0.875	0.125				OAL": 76.5"	
Tubes	SB 75 C12200	0.016	0.018	-	100			W":	
Heads	SA 516 70N	0.817	1.250	0.0625	100			H":	
								HS FT": 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the 'Silent Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 36670

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



ACI Central Inc.

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: 01/24/2025

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: Z8120.2 Rev1

Unit Description	Drawing Number	Service	Design Code
Oil Cooler	1510-08-072-037 rev 3	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	235 PSI @ 300 F	20 F @ 235 PSI

Test Pressure: Hydro: 380 PSI Pneu:	Test Pressure: Hydro: 306 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA ⁿ	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	0.0625	85			OD": 8.625"	Tube side design pressure increased from 150 to 235 PSI, Type 500, 08072
T.Sheet	SA 516 70	0.669	0.875	0.125				OAL": 76.5"	
Tubes	SB 75 C12200	0.016	0.018	-	100			W":	
Heads	SA 516 70N	0.817	1.250	0.0825	100			H":	
								HS FT": 136.7 FT2	

Notes:

- 1- 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.
- 3- Details including service conditions will be posted on the 'Steel Inspector' Bulletin Board.
- 4- Copies of the Design and Specifications are available to ACIC Members on demand.
- 5- The form will be a permanent ACIC record.
- 6- To reduce turnaround times to a minimum fax your response to 902-566-3133.

ACIC Log#: 36670

Description: Oil Cooler, 8.625" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



NUNAVUT
 Boilers and
 Pressure Vessels Act

REGISTERED

CRN Z8120.2 N Rev1

Date 01/24/2025

Signed _____
 Chief Inspector

Territorial Registration Fee