

# 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: Engineering & Inspection Services

Date: 05/30/2023

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: 8498.0 Rev1**

Unit Description	Drawing Number	Service	Design Code
Intercooler	1481-08-033-017 rev 2	Non Lethal	ASME Sect VIII Div. 1

Shell Side		Tube Side	
MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
		125 PSI @ 300 F	- 20 F @ 125 PSI

Test Pressure: Hydro:	Pneu:	Test Pressure: Hydro: 181 PSI	Pneu:
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Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
T.Sheet	SB 171 C71500	1.250	1.250	-				OD":	
T.Sheet	SB 171 C71500	1.125	1.125	-				OAL": 42"	
Cover	SB 171 C71500	1.375	1.375	-	100			W": 17.875"	
Cover	SB 171 C71500	1.063	1.063	-	100			H": 17.625"	
Tubes	SB 111 C71500	0.049	0.049	-	100			HS FT":	

**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#: 34160

Description: Intercooler, 1481-08-033-017  
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

Newfoundland  
 Labrador

Registered 8498.0 Rev1  
 Date June 2 2023  
 Engineering and Inspection Services  
 Registered by [Signature]

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