

# 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 Chiasson

Date: 07/28/2023

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: 2175.9**

Unit Description	Drawing Number	Service	Design Code
Heat Exchanger	1563-03-012-026 rev 3	Non Lethal	ASME Sect VIII Div. 1

**Shell Side**

**Tube Side**

MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
150 PSI @ 350 F	20 F @ 150 PSI	150 PSI @ 350 F	20 F @ 150 PSI

Test Pressure: Hydro: 195 PSI Pneu:	Test Pressure: Hydro: 195 PSI Pneu:
-------------------------------------	-------------------------------------

Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 312 TP316/L	0.189	0.216	-	85			OD": 3.5"	Bonnet SA 240 316/L
Head	SA 351 CF8M	0.375	0.375	-				OAL": 16.13"	
T.Sheet	SA 240 316/L	0.375	0.375	-				W":	
Tubes	SA 249 TP316	0.028	0.028	-	100			H":	
Tubes	SA 213 TP316	0.035	0.035	-				HS 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#: 34421

**Description:** Heat Exchanger, Model 3-Y-12-MAHTR-4-A-SS  
 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. 2175.9  
 DATE: JUL 28/23

*[Signature]*  
 INSPECTION SERVICES SECTION  
 BOILER/PRESSURE VESSEL BRANCH