

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: 03/15/2024

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: 8524.8 Rev1

Unit Description	Drawing Number	Service	Design Code
Heat Exchanger	1566-08-024-038 rev 5	Non Lethal	ASME Sect VIII Div. 1

Shell Side

Tube Side

MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
252 PSI @ 341 F	-20 F @ 252 PSI	250 PSI @ 210 F	-20 F @ 250 PSI

Test Pressure: Hydro: 341 PSI Pneu:	Test Pressure: Hydro: 325 PSI Pneu:
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Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.282	0.322	-	85			OD": 8.625"	Bonnet proof tested
Head	SA 516 70	0.515	0.938	-	100			OAL": 35.56"	
T.Sheet	SA 516 70	0.6227	0.813	-				W":	
Tubes	SA 249 316	0.022	0.022	-	100			H":	
Bonnet	SA 351 CF8M	0.188	0.188	-				HS FT²: 42.6 FT2	

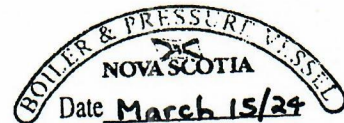
Notes:

- 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#: 35280

Description: Heat Exchanger, Model 8-Y-24-MVHTR-4-A-SS
ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature



C.R.N. 8524.8 Rev. 1

Dwg. 1566-08-024-038 Rev. 5

Signed

