

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 Service

Date: 06/02/2023

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: 8594.0 Rev1

Unit Description	Drawing Number	Service	Design Code
Air Cooler	1510-08-048-045 rev 2	Non Lethal	ASME Sect VIII Div. 1

Shell Side

Tube Side

MAWP @ TEMP	MDMT @ MAWP	MAWP @ TEMP	MDMT @ MAWP
300 PSI/FV @ 300 F	- 20 F @ 300 PSI	150 PSI/FV @ 300 F	- 20 F @ 150 PSI

Test Pressure: Hydro: 390 PSI Pneu:	Test Pressure: Hydro: 195 PSI Pneu:
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Part	Material	Des. t"	Act. t"	CA"	% EF	RT	PWHT	Dimensions	Notes
Shell	SA 53 B	0.242	0.277	-	85			OD": 8.63"	
Heads	SA 516 70N	1.250	1.250	-	100			OAL": 52.5"	
T.Sheet	SA 516 70	0.940	0.940	-				W":	
Tubes	SA 249 TP304	0.028	0.028	-	100			H": HS FT ² :	

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 Logo#: 34170

Description: Air Cooler, 8.63" OD
 ASME Stamp, National Board Registered

This space is for Jurisdictional stamp and signature

Newfoundland
 Labrador

Registered 8594.0 Rev1

Date June 2, 2023

Engineering and Inspection Services

Registered by

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