

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: Steve Townsend

Date: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
 648 Moeller Rue
 Granby, QC J2G 8N1
 Canada

Manufacturer #: PV-9901

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: R6275.5 Rev1

| Unit Description | Drawing Number | Service | Design Code |
|------------------------|-----------------------------|------------|-----------------------|
| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

| Shell Side | | Tube Side | |
|----------------|-----------------|-------------|-------------|
| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | |
|--|--|
| Test Pressure: Hydro: 150 PSI Pneu: | Test Pressure: Hydro: Pneu: |
|--|--|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|---------------|---|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # R-0905 E900 D1 Proof Tested |
| Casing | SA 395 60-40-18 | 0.56 | 0.56 | - | 80 | | | OAL": 17.875" | |
| | | | | | | | | W": 15.5" | |
| | | | | | | | | H": 19.9" | |
| | | | | | | | | HS FT²: | |

Notes:

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- 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#: 32559

Description: Heat Exchanger Housing, E900
 ASME Stamp, Made in Canada

This space is for Jurisdictional stamp and signature

ACCEPTED
 PROVINCE OF PRINCE EDWARD ISLAND
 COMMUNITIES, LAND & ENVIRONMENT

C.R.N. R6275.59 Rev1
 DATE: May 20 2022

[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: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
648 Moeller Rue
Granby, QC J2G 8N1
Canada

Manufacturer #: PV-9901

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: R6275.5 Rev1

| Unit Description | Drawing Number | Service | Design Code |
|------------------------|-----------------------------|------------|-----------------------|
| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

| Shell Side | | Tube Side | |
|----------------|-----------------|-------------|-------------|
| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | |
|--|--|
| Test Pressure: Hydro: 150 PSI Pneu: | Test Pressure: Hydro: Pneu: |
|--|--|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|---------------|------------------------------------|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # |
| Casing | SA 395 60-40-18 | 0.56 | 0.56 | - | 80 | | | OAL": 17.875" | R-0905 E900 D1 Proof Tested |
| | | | | | | | | W": 15.5" | |
| | | | | | | | | H": 19.9" | |
| | | | | | | | | HS FT²: | |

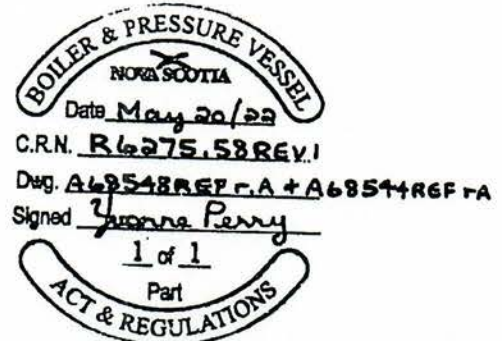
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ACIC Log#: 32559

Description: Heat Exchanger Housing, E900
ASME Stamp, Made in Canada

This space is for Jurisdictional stamp and signature



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Recommendation to Register – Pressure Vessel Design

To: Eben Creaser

Date: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
 648 Moeller Rue
 Granby, QC J2G 8N1
 Canada

Manufacturer #: PV-9901

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: R6275.5 Rev1

| Unit Description | Drawing Number | Service | Design Code |
|------------------------|-----------------------------|------------|-----------------------|
| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

Shell Side

Tube Side

| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
|----------------|-----------------|-------------|-------------|
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | | | |
|-------------------------------|-------|-----------------------|-------|
| Test Pressure: Hydro: 150 PSI | Pneu: | Test Pressure: Hydro: | Pneu: |
|-------------------------------|-------|-----------------------|-------|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|----------------------|-----------------|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # |
| Casing | SA 395 60-40-18 | 0.56 | 0.56 | - | 80 | | | OAL": 17.875" | R-0905 E900 D1 |
| | | | | | | | | W": 15.5" | |
| | | | | | | | | H": 19.9" | |
| | | | | | | | | HS FT ² : | Proof Tested |

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ACIC Log#: 32559

Description: Heat Exchanger Housing, E900
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New Brunswick
 Nouveau Brunswick

DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN R6275.57 Rev1

Eben Creaser
 CHIEF BOILER INSPECTOR

DATE 5/20/22

BLRs PVs

FITTINGS NUCLEAR COMPONENTS
 Sect. 2.0-BPV Rev. 1 06/2003

ACI Central Inc.

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Recommendation to Register – Pressure Vessel Design

To: Engineering&Inspection Service

Date: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
 648 Moeller Rue
 Granby, QC J2G 8N1
 Canada

Manufacturer #: PV-9901

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: R6275.5 Rev1

| Unit Description | Drawing Number | Service | Design Code |
|------------------------|-----------------------------|------------|-----------------------|
| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

Shell Side

Tube Side

| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
|----------------|-----------------|-------------|-------------|
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | | | |
|--------------------------------------|--------------|------------------------------|--------------|
| Test Pressure: Hydro: 150 PSI | Pneu: | Test Pressure: Hydro: | Pneu: |
|--------------------------------------|--------------|------------------------------|--------------|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|----------------------|---|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # R-0905 E900 D1 Proof Tested |
| Casing | SA 395 60-40-18 | 0.56 | 0.56 | - | 80 | | | OAL": 17.875" | |
| | | | | | | | | W": 15.5" | |
| | | | | | | | | H": 19.9" | |
| | | | | | | | | HS FT ² : | |

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ACIC Log#: 32559

Description: Heat Exchanger Housing, E900
 ASME Stamp, Made in Canada

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Digital Government and Service NL

Registered R6275.50 Rev.1

Date 25-May-2022

Engineering and Inspection Services

Registered by David Jucker

**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: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
 648 Moeller Rue
 Granby, QC J2G 8N1
 Canada

Manufacturer #: PV-9901

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: R6275.5 Rev1

| Unit Description | Drawing Number | Service | Design Code |
|------------------------|-----------------------------|------------|-----------------------|
| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

Shell Side

Tube Side

| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
|----------------|-----------------|-------------|-------------|
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | |
|--|--|
| Test Pressure: Hydro: 150 PSI Pneu: | Test Pressure: Hydro: Pneu: |
|--|--|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|---------------|---|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # R-0905 E900 D1 Proof Tested |
| Casing | SA 395 60-40-18 | 0.56 | 0.56 | - | 80 | | | OAL": 17.875" | |
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 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: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
 648 Moeller Rue
 Granby, QC J2G 8N1
 Canada

Manufacturer #: PV-9901

Subject: ACI Central Design Review

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| Unit Description | Drawing Number | Service | Design Code |
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| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

| Shell Side | | Tube Side | |
|----------------|-----------------|-------------|-------------|
| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | |
|--|--|
| Test Pressure: Hydro: 150 PSI Pneu: | Test Pressure: Hydro: Pneu: |
|--|--|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|---------------|---|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # R-0905 E900 D1 Proof Tested |
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| | | | | | | | | H": 19.9" | |
| | | | | | | | | HS FT": | |

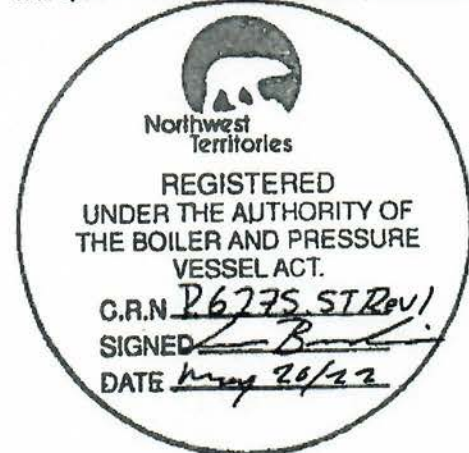
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ACIC Log#: 32559

Description: Heat Exchanger Housing, E900
 ASME Stamp, Made in Canada

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65.00

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: 05/19/2022

From: ACI Central Inc.

Manufacturer: Armstrong-Hunt Inc.
 648 Moeller Rue
 Granby, QC J2G 8N1
 Canada

Manufacturer #: PV-9901

Subject: ACI Central Design Review

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CRN: R6275.5 Rev1

| Unit Description | Drawing Number | Service | Design Code |
|------------------------|-----------------------------|------------|-----------------------|
| Heat Exchanger Housing | A68548REF rA & A68544REF rA | Non Lethal | ASME Sect VIII Div. 1 |

Shell Side

Tube Side

| MAWP @ TEMP | MDMT @ MAWP | MAWP @ TEMP | MDMT @ MAWP |
|----------------|-----------------|-------------|-------------|
| 75 PSI @ 320 F | - 20 F @ 75 PSI | | |

| | | | |
|-------------------------------|-------|-----------------------|-------|
| Test Pressure: Hydro: 150 PSI | Pneu: | Test Pressure: Hydro: | Pneu: |
|-------------------------------|-------|-----------------------|-------|

| Part | Material | Des. t" | Act. t" | CA" | % EF | RT | PWHT | Dimensions | Notes |
|------------|-----------------|---------|---------|-----|------|----|------|---------------|---|
| Base Plate | SA 395 60-40-18 | 0.75 | 0.75 | - | 80 | | | OD": | Design Report # R-0905 E900 D1 Proof Tested |
| Casing | SA 395 60-40-18 | 0.56 | 0.56 | - | 80 | | | OAL": 17.875" | |
| | | | | | | | | W": 15.5" | |
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Description: Heat Exchanger Housing, E900
 ASME Stamp, Made in Canada

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| | |
|--|--|
|  | NUNAVUT Boilers and Pressure Vessels Act |
| | REGISTERED CRN <u>R6275.5 N Rev 1</u> Date <u>2022-05-20</u> Signed _____ Chief Inspector: _____ |
| Territorial P... Sec. 2.03(1) Reg. 1 06/2003 | |