

# ACI CENTRAL INC.

20 McAULAY COURT CHARLOTTETOWN PEI. C1A 9M7.

PO BOX 53 CHARLOTTETOWN PEI. C1A 7K1. PHONE: 902-566-1975, FAX: 902-566-3133

## RECOMMENDATION TO REGISTER - PRESSURE VESSEL DESIGN

To: Ken Hynes  
From: ACI Central Inc.

DATE: 05/12/05

Manufacturer:  
Violet Ritter  
LaGrange Products  
607 South Wayne Street  
PO Box 658  
Fremont, IN 46737

Manufacturer #: PV 005

### SUBJECT: ACI CENTRAL DESIGN REVIEW

The product described on this form has satisfied the minimum 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: M1845.5**

| UNIT DESCRIPTION | DRAWING NUMBER  | SERVICE    | DESIGN CODE           |
|------------------|-----------------|------------|-----------------------|
| Pump Trap        | 1625-1408 Rev G | Non Lethal | ASME Sect VIII Div. 1 |

| SHELL SIDE           |                       | TUBE SIDE   |                 |
|----------------------|-----------------------|-------------|-----------------|
| MAWP @ TEMP          | MDMT @ PRESSURE       | MAWP @ TEMP | MDMT @ PRESSURE |
| 150 PSI / FV @ 650 F | - 20 F @ 150 PSI / FV |             |                 |

| HYDRO TEST PRESSURE: 225 PSI |           |         |         |       | DESIGN FACTOR: |    |      |                      |       |
|------------------------------|-----------|---------|---------|-------|----------------|----|------|----------------------|-------|
| PART                         | MATERIAL  | DES. t" | ACT. t" | CA"   | % EF           | RT | PWHT | DIMENSIONS           | NOTES |
| SHELL                        | SA 414 G  | 0.0798  | 0.125   | 0.031 | 70             |    |      | OD": 16"             |       |
| HEAD                         | SA 414 G  | 0.0649  | 0.132   | 0.031 | 85             |    |      | OAL": 25"            |       |
| Flat Head                    | SA 516 70 | 1.1991  | 1.325   | 0.031 | 100            |    |      | W " :                |       |
| Cover                        | SA 516 70 | 0.3889  | 1.250   | 0.031 | 100            |    |      | H " :                |       |
|                              |           |         |         |       |                |    |      | HS FT <sup>2</sup> : |       |

#### 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- THIS FORM WILL BE A PERMANENT ACIC RECORD.
- 6- TO REDUCE TURNAROUND TIME TO A MINIMUM FAX YOUR RESPONSE TO 902-566-3133.

ACIC LOG #:4956

#### DESCRIPTION:

Pump Trap  
16" OD x 25" OAL  
ASME "U" Stamp, NB Registered

This space is for jurisdictional stamp and signature

**ACCEPTED**

PROVINCE OF PRINCE EDWARD ISLAND  
DEPT. OF PROVINCIAL AFFAIRS

C.R.N. M1845.59  
DATE: 12 May 2005

[Signature]  
INSPECTION SERVICES DIVISION  
BOILER/PRESSURE VESSEL BRANCH