

**V-4001 VOLUME TANK**  
 MAWP : 1034 kPag @ 343°C  
 MDMT : -40°C @ 1034 kPag  
 CRN : L9124.2  
 CAL : 19.8  
 SIZE : 356mm O.D. x 648mm S/S

**H-4000 HEATER**  
 SIZE : 1981mm O.D. x 7925mm LG.  
 NOMINAL DUTY : 835 kW  
 COIL DESIGN : COIL 1 36,500 kPag @ 100°C/-29°C  
 COIL 2 13,962 kPag @ 100°C/-29°C  
 COIL 3 13,962 kPag @ 100°C/-29°C  
 COIL 4 1765 kPag @ 100°C/-29°C  
 BATH : 50% WATER/GLYCOL MIXTURE  
 VOLUME : 19 m<sup>3</sup>

**V-4103 FUEL GAS SCRUBBER**  
 SIZE : 273mm O.D. x 762mm LG  
 DESIGN : 1034 kPa @ 38°C/-29°C

**F-4104/4105 BUILDING HEATER**  
 STYLE : CATADYNE  
 DUTY : 2 @ 9.4 kW  
 FUEL : NATURAL GAS

**TUBING DESIGNATIONS**

A1	- 1/2" O.D. x 0.035" WT
A1	- 3/8" O.D. x 0.035" WT
A4	- 3/8" O.D. x 0.035" WT
D1	- 1/2" O.D. x 0.049" WT
D5	- 1/2" O.D. x 0.049" WT
F1	- 1/2" O.D. x 0.065" WT
F5	- 3/8" O.D. x 0.065" WT
API	- 3/8" O.D. x 0.065" WT

TUBING TO BE 316 SS  
 c/w 316 SS SINGLE FERRULE SWAGELock CPI FITTINGS

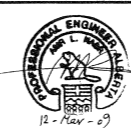
- NOTES:**
- ALL INSTRUMENTS VENT TO SWEET GAS HEADER INCLUDING L.P. SWEET GAS VENT DIAPHRAGMS.
  - PROCESS VENTS AND HIGH PRESSURE VENTS TO SOUR GAS HEADER.
  - NC DENOTES NORMALLY CLOSED.
  - FC DENOTES FAIL CLOSE.
  - FP DENOTES FULL PORT.
  - PSV TO BE MOUNTED UP HIGH TO ELIMINATE POCKETS.
  - 2" CL 150 BLIND FLANGE WILL BE PROVIDED BY MALONEY.
  - COCKS VALVE FOR LG 4103, 3/4" MNPT x 1/2" FNPT.

**RECOMMENDED SET POINTS**

SET POINTS	N.G. FUEL	PROPANE FUEL
PCV-4114 SET @ 689 kPa(g)	PCV-4118 SET @ 97 kPa(g)	PCV-4118 SET @ 41 kPa(g)
PCV-4128 SET @ 552 kPa(g)	PCV-4120 SET @ 34 kPa(g)	PCV-4120 SET @ 21 kPa(g)
PCV-4115/4116 SET @ 3.4 kPa(g)	PSH-4162 SET @ 121 kPa(g) INCREASING	PSH-4162 SET @ 121 kPa(g) INCREASING
-	PSL-4003 SET @ 20.7 kPa(g) DECREASING	PSL-4003 SET @ 20.7 kPa(g) DECREASING

**REVISIONS**

REV	DESCRIPTION	DATE	BY	CHK	APP
2	AS BUILT	09-03-06			
1	AS PER CUSTOMER MARK-UP	08-08-13			
0	ISSUED FOR CONSTRUCTION	08-08-05	KHH	PT	AN
A	ISSUED FOR APPROVAL	08-06-18	TT	KHH	AN



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**MALONEY INDUSTRIES**  
 A DIVISION OF FOREMOST UNIVERSAL LP  
 8825 Shepard Road SE, Calgary, Alberta, T2C 4W9  
 Phone: (403) 279-5000 Fax: (403) 279-2668

- LEGEND**
- PNEUMATIC
  - CAPILLARY
  - INSTRUMENT GAS/OTHER (IG)
  - HYDRAULIC SENSING/CONTROL
  - PANEL
  - SKID PACKAGE LIMITS
  - LOGIC

**CUSTOMER**

TITLE: Z-4000-LINE HEATER PACKAGE  
 PROCESS & INSTRUMENTATION DIAGRAM

PROJECT # AND NAME: BC0127-004-HORSESHOE-WELLSITE

NO. RECD	DATE	APPROVED	SCALE	WIP NO.
1	08-06-18	AMR	N.T.S.	015940-10

REV. 1 of 1