

4411- 01 Rev.0

**1.0 SHELL "NEW"**

48" Diameter x 12'0" Long Shell

36" Long x 24" Wide x 36" High Expansion Tank

**2.0 FIRETUBES "NEW"**

(1) 12 ¾" O.D Firetube. Rated at 750,000 BTU/HR

(1) Flame Arrestor c/w Eclipse main and pilot burners

**3.0 COILS (*Split Bundle*)"NEW"**

Manufactured by Larsen D'Amico in 2001.

COIL 1

(12) Ten Passes of 3" Sch. 160 Pipe c/w 3" 1500# RTJ flanged outer ends

MAWP 3375 Psi @ -20 / 200 F

Constructed with Alberta, BC & Sask. Registration

Corrosion allowance 0.0625"

10% X-ray

COIL 2

(8) Eight Passes of 3" Sch. XH Pipe c/w 3" 900# RF flanged outer ends

MAWP 2025 Psi @ -20 / 200 F

Constructed with Alberta, BC & Sask. Registration

Corrosion allowance 0.0625"

10% X-ray

#### 4.0 INSTRUMENTATION "NEW"

- PCV-100 (1) WILLIS MODEL M2 CHOKE  
2" 1500# RTJ flanged connections  
Dyna-flo 656 Actuator. Air to open / fail closed
- PC-100 (1) FISHER 4150-R PRESSURE CONTROLLER  
Reverse acting control module  
6 to 30 psi output  
0 to 1500 psi bourdon tube
- PRV-100 (1) FISHER MODEL 627-R PRESSURE REDUCING VALVE  
1" FNPT connections  
5 to 20 psi range  
3/8" orifice  
Standard service construction
- BMS-100 (1) PROFIRE 2100 SAFETY COMBUSTION CONTROLLER  
24 VDC supply
- TE-100 (1) PROFIRE TYPE "K" THERMOCOUPLE  
XP enclosure  
3/4" x 11.5" 316 SS T.W.
- TCV-100 (1) KIMRAY MODEL 1400-SMT DAB CONTROL VALVE  
1" NPT connections  
Air to open / fail closed  
1/2" port
- ESDV-100 (2) ASCO 1" NPT SOLENOID VALVE  
101 1" NPT connections  
24 VDC XP design
- SOV-100 (1) ASCO 1/4" 2 WAY SOLENOID VALVE  
24 VDC XP design
- SOV-101 (1) ASCO 1/4" 3 WAY SOLENOID VALVE  
24 VDC XP design
- PSL/PSH-100 (2) BARKSDALE ELECTRIC PRESSURE SWITCHES(or  
equal)  
XP design  
Range to suit

LSLL-100	(1)	SOR 1510 ELECTRIC LEVEL SWITCH XP design 2" MNPT connection
PI-100/101	(2)	WESTERN GAUGE PRESSURE INDICATOR 2 1/2" face, 1/4" MNPT connection 0 to 30 psi range Standard service construction
PI-102	(2)	WESTERN GAUGE PRESSURE INDICATOR 2 1/2" face, 1/4" MNPT connection 0 to 15 psi range Standard service construction
LG-100	(1)	REDLINE TUBULAR GLASS LEVEL GAUGE C/w brass gauge cocks
TI-100	(1)	TREND TEMPERATURE INDICATOR 3" dial, 6" U length Dual Scale C/w 3/4" MNPT x 1/2" FNPT x 6" long 304 SS thermowell

## **5.0 SKID SPECIFICATION**

5'8" wide x 18'0" long  
6" wide flange main members  
Lift lugs

### **FOAM PANEL INSTRUMENT ENCLOSURE**

5'0" Wide x 2'0" Deep x 3'0" high  
22 Gauge Galvalume

### **INSULATION**

1 1/2" thk Fiberglass insulation c/w Aluminum cladding on exposed area of shell

## 6.0 MATERIAL SPECIFICATIONS

### Coils

Flanges	SA-105
Pipe	SA-106-B
Fittings	SA-234-WPB

### Threaded Piping

Pipe	SA-106B
Fittings	SA-105, 3000#

### Instrumentation Fittings

Tubing	3/8" 316 SS seamless .035 wall
Fittings	3/8" 316 SS DKLOK

## 7.0 TESTING

### Hydrotesting

Coils and piping will be hydrotested to 1.5 times Maximum Allowable Working Pressure as per ASME B31.3

### PWHT

Coils	None
-------	------

### XRay

Coils	10%
-------	-----

### Magnetic Particle Testing

Firetube	None
----------	------

### Ultrasonic Thickness Testing

Coils	Yes
-------	-----

## 8.0 PAINTING AND COATING SPECIFICATIONS

External Surface Preparation	SSPC-SP-3
External Finish	One (1) Shop Coat Light Blue
External Insulation	1 1/2" Fiberglass c/w Aluminum Cladding