

## IH-39609 Full Description

### 20" Sour Glycol Dehy Package 1440psi w/flash tank and electric pumps

#### *Sour Service*

20" O.D. x 28'0" S/S

8 Tray 1440 psi

Dehydration Package

"Split Tower Design"

"AS IS c/w UT's and visual inspection"

#### **1.0 VESSEL**

1 20" O.D. x 28'0" S/S x 1440 psi MAWP GLYCOL CONTACTOR TOWER.

"SPLIT TOWER DESIGN"

Manufactured by Nusco in 1997

Constructed with AB Registration

0.125" corrosion allowance

-20 / 100 F design temperature

3 phase integral separator

Eight (8) weld-in bubble cap trays

Two (2) 316 SS demister pads

Inlet Deflector and float hood

Glycol coil

RT-1 / PWHT

A# 437826 / SN 001153-50 / CRN N-7899.2

#### **VESSEL CONNECTIONS**

N1 - Inlet	(1)	3" 600# RFLWN
N2 - Gas Outlet	(1)	4" 600# RFLWN
N3 - Drain	(1)	2" 600# RFWN
N4 - H2O Out	(1)	2" 600# RFWN
N5a/b - H2O LC	(1)	3" 600# RFWN
N6a/b - H <sub>2</sub> O L.G.	(2)	2" 600# RFWN
N7a/b - HC L.G.	(2)	2" 600# RFWN
N8 - HC LC	(1)	3" 600# RFWN
N9 - HC Out	(1)	2" 600# RFWN
N10 - P.I.	(1)	2" 600# RFWN
N11 - T.I.	(1)	2" 600# RFWN
N12 - LSHH	(1)	3" 600# RFWN
N13 - Glyc. Out	(1)	1" 600# RFWN
N14 - Glyc. In	(1)	1" 600# RFWN
N15- PSV	(1)	2" 600# RFWN
N16a/b - Glyc. Coil	(2)	1" 600# RFWN
N17a/h - Tray Drains	(9)	1" 600# RFWN
N18- Equalize	(1)	1 ½" 600# RFWN
N19 - Inspection	(1)	4" 600# RFLWN
N20 - Xray Port	(1)	2" 600# RFLWN

- 1 16" O.D. x 7'6" S/S 1440 PSI GLYCOL FLASH TANK  
Manufactured by IPS Manufacturing in 2005  
Constructed with Alberta, Sask. and BC Registration  
-20 / 100F design temperature  
0.125" corrosion allowance  
3 Phase design  
RT-1 / PWHT  
A# 536180 / SN# V-3334-001-D / CRN# R4387.213

### **VESSEL CONNECTIONS**

N1- Inlet	(1) 3" 600# RFWN
N2-Gas Out	(1) 3" 600# RFWN
N3 -Drain	(1) 2" 600# RFWN
N4- Gly. LC	(1) 3" 600# RFWN
N5- Gly. Out	(1) 2" 600# RFWN
N6- Spare LC	(1) 3" 600# RFWN
N7-Spare Outlet	(1) 2" 600# RFWN
N8- LSHH	(1) 3" 600# RFWN
C1- PI	(1) ½" 3M TOL
C2-TI	(1) ¾" 3M TOL
C3a/b- L.G.	(2) ¾" 3M TOL
C4a/b- L.G.	(2) ¾" 3M TOL
C5-PSV	(1) 1" 3M TOL

## **2.0 GLYCOL REGENERATOR**

### **REBOILER**

18" Diameter x 7'0" Long  
1 ½" fiberglass insulation c/w aluminum cladding

### **SURGE TANK**

16" Diameter x 5'0" Long  
1" Lean / Rich Glycol coil  
1" Fuel gas preheat coil

### **FIRETUBES**

6.625" Diameter firetubes c/w stack. Rated @ 180,000 Btu/hr (10,000 flux/rate)  
Aluminum flame arrestor c/w main burner & pilot.

### **STILL COLUMN**

8.625" diameter x 7'0" high c/w 2" 150# RFWN vent connection.  
¾" ceramic saddles  
1 ½" fiberglass insulation c/w aluminum cladding  
Reflux Coil

## STRIPPER COLUMN

10" diameter x 5'0" High

3" 150# RFWN In/Out

½" Stripping Gas bar

## 3.0 AIR TO GLYCOL EXCHANGER

(4) 1 1/4" O.D. x 5'0" long Fin tube

## 4.0 GAS TO GLYCOL EXCHANGER

(1) 3.5" O.D. x 6.625" O.D. x 96" long 1440 psi

Manufactured by Nusco in 1997

Constructed with Alberta registration

-20 /130 F design temperature

Tube 0.125" corrosion allowance

Shell "nil" corrosion allowance

RT-2 / PWHT

A#434871 / SN 000969-250 / CRN# M-9268.2

## 5.0 INSTRUMENTATION

FE-100 (1) 3" 600# DANIELS SENIOR

MVS-100 (1) YOKAGOWA DP & P TRANSMITTER

BPCV-100 (1) FISHER 2" 600# RF D-BODY

Description of additional instrumentation is available upon request

## 6.0 FILTERS

1 Rotor-Tech Particulate Filter

1 Cuno 1B2 Particulate Filter

1 Cuno 1B2 Charcoal Filter

## 7.0 PUMPS

(2) Rotor -Tech GA-2EP Electric Glycol Circulation Pump  
2.0 HP, 120/230 VAC, 1 Ph XP motor

## 8.0 SKID AND BUILDING SPECIFICATIONS

### **1 SKID BASE 10'0" WIDE x 21'0" LONG**

8" Beam Main Members

8" Beam Cross Members

3/16" Checker-plate decking under building area

Lift lugs

**1 SELF FRAMING GABLE ROOFED METAL BUILDING**

10" Wide x 17'0" Long x 8'6" High Eave, Gable Type

Prepainted Exterior. Light Blue with white trim.

Fluted Aluminum liner

Two (2) 3'0" Wide x 7'0" High Insulated Mandoor c/w panic hardware

One (1) 36" x 36" Double-glazed sliding window with screen

Two (2) 12" x 12" louvers c/w closures

**1 BUILDING HEATER**

24 x24 Catadyne Heaters c/w vent hood, protective grilles thermostat and safety shut-off. 25 feet of 12 VDC start cables

**9.0 INSTRUMENT AIR / FUEL GAS SYSTEM**

8 5/8" O.D x 30" HIGH 150 PSI FUEL GAS SCRUBBER

**10.0 ADDITIONAL INFORMATION**

All glycol piping is socket welded.

This package is offered on an "AS IS WHERE IS" basis

Package is wired for lighting and gas detection.

Package is offered c/w UT on vessels