

Information Package

Sweet Service Separator Package, 24" OD x 8'0" s/s 1440 psi MAWP

1. VESSEL

Tag #	QTY	Description
V-100	1	24" OD 8'0" S/S 1440 PSI MWAP VERTICAL SEPARATOR Manufactured 2014 130F design temperature Constructed for Alberta, Saskatchewan, British Columbia 6" thick 9lb/ft3 mistex Designed 3 phase/ Dressed 3

Vessel Connections

N1		INLET	1 - 3"	600 ANSI FLANGE
N2		GAS OUTLET	1 - 3'	600 ANSI FLANGE
N3		DRAIN	1 - 2"	600 ANSI FLANGE
C1		PI	1 - 3/4"	TOL
C2		TI	1 - 3/4"	TOL
C3 A/B		HC LG	2 - 3/4"	TOL
C4 A/B		H2O LG	2 - 3/4"	TOL
C5		PSV	1 - 1"	TOL
C6 A/B		INSPECTION	2 - 2"	CPLG
C7		HC LC	1 - 2"	TOL
C8		H20LC	1 - 2"	TOL
C9		HC OUTLET	1 - 2"	TOL
C10		H2O OUTLET	1 - 2"	TOL
C11		HLSD	1 - 2"	TOL

2. INSTRUMENTATION

Tag #	QTY	Description
	2	2" NPT FISHER L2 LOW-BLEED LEVEL CONTROLLER Snap acting 0-20 or 0-35 Output 1 7/8 x 12" PVC displacer Complies to NACE mr0175-2002
	2	2" NPT FISHER D3 Dump Valve LCC Steel body 3/4" Flopro trim, 17-4PH SST plug and seat Complies with NACE MR0175/ISO 15156 Integral actuator Fail closed Maximum differential 2250 psid 0-35 psi operating signal
	1	Fisher D4 Control Valve 2" 600 RF LCC steel body 1/2" Micro-Form 416 SST HT Enviro-seal PTFE packing

		Integral size 40 actuator, Fail Closed Maximum differential 1480 psi Operating Range 0-33 psi
2		Quality Machine Level Gauge (1)Q15R20 (2500 psi2100Deg F) c/w Q146 Gauge valves ½" NPT STD. service, drain tied in.
1		JR Meter Run C/W Flow Conditioner 3" 600 Flanged outer end, Sch 80 STD service trim 10% Radiography Built to AGA 2000 Edition One (1) – 1" 3000 TOL and One (3/4") 3000 TOL down stream
1		Pressure Gauge Liquid Filled 4" Dia face x ½" NPT bottom mount end connection SST, 0-1500 psi, dual scale
1		Temperature Indicator ½" NPT back connection 3" dial, 6" stem 0 - 250 F &C ½" inst x ¾" process, 6" OAL 316 SST thermo well
1		Taylor Pressure Relief Valve 1" NPT inlet x 1" NPT outlet STD service trim "E" orifice WCB Body 1440 PSI set pressure, mounted on vessel

3. FUEL GAS SYSTEM

Tag #	QTY	Description
	1	6" OD x 3' 0" end/end x 285 psig Fuel Gas scrubber Registered Design Internal High Level Shutdown Process fuel gas supply
	6	Fisher Model 67 CFR Regulator ¼" NPT connection STD service trim 0-35 psi, Adjustable spring Range, 5 Micron Filter
	1	Fisher 627 Pressure Reducing regulator
	1	Taylor Pressure Relief Valve 1" NPT inlet x 1" NPT outlet STD service trim WCB body 250 psi set pressure, Mounted on fuel gas scrubber
	1	Pressure Gauge Liquid filled 2 ½" dia. Face x ¼" NPT end connection 0-3000 psig range, dual

4. SKID AND BUILDING SPECIFICATION

Tag #	QTY	Description
	1	Skid base, 8' 5"W x 14.5' L Main skid members - W6x15 beam runners Supports members – C6 under vessel C6 std under checker plate 8' x 8'6" checker plate 3" sch 80 end rolls
	1	Foam Panel Building 8' wide x 8'6" long x 8'6" low x 9' high shed style roof Galvalume Exterior/ Interior One (1) 3' x 7' man door c/w panic, IWC, check chain and weather strip One (1) 36" x 36" double glazed sliding window c/w screen Two (2) 12" x 12" Adjustable louvers
	1	Catadyne 24" x 24" Building Heater Fuel supply Natural Gas 12 V DC starter element with 30' cables c/w Vent hood, safety shut off, regulator, thermostat.

5. PACKAGING SPECIFICATIONS

Relief valves piped through roof or wall
 Piping to skid edge c/w individual connections
 Piping and Instrumentation tubing securely supported
 Package is readied or dismantled only to the extent required for shipping
 Liquid piping is directed off skid

6. MATERIAL SPECIFICATIONS

Pressure Vessels

Heads	SA-516-70N
Shell	SA-516-70N
Pipe	SA-106-B SMLS
Flanges	SA-105-N
Weld Fittings	SA-234-WPB

Threading Piping

Pipe	SA-106-B, SCH 80
Threaded Fittings	SA-105N, 3000#

Welded Piping

Pipe	(2",3") SA-106-B, SCH 80, SMLS
Flanges	SA-105-N
Weld fittings	SA-234-WPB
Threadlets and couplings	SA-105-N

Instrument Tubing

Tubing	3/8" 304 stainless
Ferrules & Fittings	Carbon

7. TESTING / PWHT SPECIFICATIONS

Hydro Testing

Pressure Vessel
Pressure Piping

Tested to 1.3 times MAWP as per Section VIII
Will be hydro tested to 1.5 time MAWP as per B31.1

Radiography

Vessel

Long seam Full per UW-11 (b), Circ seams Spot per UW 11a56

Piping

15% X-Ray (B31.3 Code)

PWHT

Vessel

NO

Piping

NO

Ultrasonic Testing

NA

Hardness Testing

NA

8. PAINT AND COATING SPECIFICATIONS

External Surface Preparation

SSPC-SP#2

External Primer

One (1) Shop Coat

Vessel External Finish Paint

One (1) Shop Coat of grey Enamel

Skid and Piping External Finish Paint

One (1) Shop Coat of grey Enamel

Internal Surface Preparation

None

Internal Coating

None







