

**CLEAN AIR**

**UNIT: CleanAir05**

*The Safe Way to Load Fluids*

**Patent Pending**

**PERFORMANCE**

Purge Gas Generation Rate	36 m <sup>3</sup> /hr
Purge Gas Pressure	1,200 kPa
Purge Gas Purity	99.5% Nitrogen
Purge Time	10 minutes
Capacity – Hours per Truck Load (Purge and Load 50 m <sup>3</sup> )	40 minutes to 2 hours (nominal)
Capacity – Maximum Truck Loads per Day (50m <sup>3</sup> )	24
Loading H <sub>2</sub> S Removal	100%
Loading LEL Removal	100%
Loading Mercaptan / Benzene Removal	100%

**MAJOR EQUIPMENT**

Nitrogen Generator	On-Skid
Nitrogen Accumulator	On-Skid
Oxygen Analyzer	On-Skid
H <sub>2</sub> S Scavenger	Off-Skid
Instrument Air Compressor	On-Skid
Breathing Air	On-Skid
Building Equipped with Intake Fan	On-Skid
Building Equipped with Heater	On-Skid
Wind Sock	On-Skid
RTU with HMI and SCADA Uplink	On-Skid
Truck Load Out Panel	On-Skid
Process Beacon	On-Skid



**CERTIFICATION**

Vessels	ASME Sec. VIII
Piping	ASME B31.3
Structural	CWB
Electrical	CSA
Province(s) of Registration	AB, BC, SK
Area Classification	General Purpose
Sour Service	Yes


**SKID CONNECTIONS**

Condensate Inlet	3" CL150 RF
Water Inlet	3" CL150 RF
Flare Outlet	3" CL150 RF
Aux. (Facility) Purge	1" NPT (100' of Hose)

**TRUCK CONNECTIONS**

Condensate Load Out	3" Camlock
Water Load Out	3" Camlock
Flare / Vent Line	3" Camlock

**SHIPPING DIMENSIONS**

Width	8'-6" (2.59 m)
Length	48'-0" (14.6 m)
Height	12'-0" (3.66 m)
Weight Estimate (dry)	48,000 lbs (21,800 kg)
Loading Method	Live Roll

**POWER REQUIREMENTS**

Voltage	480 V
Amperage	60 A
Kilo-Volt-Ampere	25 kVa



PROCESS FLOW

FIGURE 1

