

CO2 MEMBRANE SKID

UNIT: CO2M01

PERFORMANCE

Maximum Operating Pressure	1300 psi (8963 kPa)
Maximum Inlet CO2 Content	16%
Coalescing Filter Mesh: 1 micron	
Maximum Gas Flow Rate @ 232 psi (1600 kPa) Pressure	70 mmscfd (1977 e3m3/d)
Maximum Gas Flow Rate @ 319 psi (2200 kPa) Pressure	95 mmscfd (2683 e3m3/d)
First Stage	
Maximum Gas Flow Rate @ 150 psi	4 mmscfd (113 e3m3/d)
Second Stage	
Maximum Gas Flow Rate @ 325 psi	2 mmscfd (56 e3m3/d)

VESSEL DIMENSIONS

First Stage:	
Coalescing Filter	1' 4" x 8' 3" (405 mm x 2515 mm)
Guard Bed	2' 6" x 9' (762 mm x 2743 mm)
Polishing Filter (0.1 to 0.6 micron)	1' 4" x 8' 3" (406 mm x 2515 mm)
Main Membrane Section	
9 Parallel Tubes	8" x 26' 6" (210 mm x 8077 mm)
Second Stage:	
Inlet Vane Separator	1' 2" x 9' (356 mm x 2743 mm)
Coalescing Filter	1' 2" x 8' 3" (356 mm x 2515 mm)
Second Membrane Section	
2 Parallel Tubes	8" x 26' 6" (210 mm x 8077 mm)



SHIPPING DIMENSIONS

Width	16' (4.88 m)
Length	50' 9" (15.46 m)
Height	19' 6" (5.94 m)
Weight Estimate	82,000 lbs

CERTIFICATION

Vessel	ASME Sec. VIII Div. 1
Piping	ASME B31.3
Electrical	Class 1, Div 2, Group D
Province(s) of Registration	BC
Service	Sour

