

Molecular Gate™ Design Material Balance

	Molecular Gate Feed	Product to Sales	Tail Gas
Flow, MM SCFD	1.50	0.93	0.07
Pressure, psig	105	90	5.0
Temperature, F	100	80	150
Comp, Mole %			
C1	94.00	96.00	68.74
N2	5.80	3.90	29.79
CO2	0.20	0.10	1.46
O2	0.00	0.00	0.00
H2S	Pre-Removed	-	-
Heavies	Pre-Removed	-	-
H2O	Dehydrated	-	-
Heating value, BTU/ft3			

Refer to the latest revision Piping & Instrumentation Diagram for material balance information.

Notes:

1. Design methane recovery rate is 90%.
2. The feed should be free of liquids.
3. Customer supplied tanks are used in the cycle and to smooth the product, recycle and tail gas flows.