



Process Streams	1A/B/C/D	2	3A/B/C	4A/B/C	5A/B/C	6	7A/B/C	8D	9A/B/C	9D	10	11A/B/C	12A/B/C	13A/B/C	14A/B/C	16A/B/C	17A/B/C	18A/B/C	19A/B/C	20A/B/C
Total	0.8377	0.8377	0.8377	1.0000	0.0000	1.0000	1.0000	(SPARE)	(SPARE)	(SPARE)	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000
Mole Fraction Vapor	0.8377	0.8377	0.8377	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000
Temperature	75	75	75	75	75	75	75	75	75	75	75	75	75	75	190	89	89	179	122	89
Pressure	140.2	140.2	140.2	137.2	137.2	137.2	137.2	136.3	136.3	136.3	136.3	136.3	135.8	135.8	280.9	280.9	280.9	513.3	508.3	503.3
Molar Flow	89.5	358.1	119.4	100.0	19.4	300.0	100.0	0.0	0.0	0.0	300.0	100.0	100.0	0.0	100.0	100.0	0.0	100.0	100.0	100.0
Mass Flow	389057.1	1556228.4	518737.6	480163.0	38574.6	1440489.1	480163.0	0.0	0.0	0.0	1440489.1	480163.0	480163.0	0.0	480163.0	480084.1	79.0	480084.1	480084.1	480084.1
Molar Enthalpy	-160323	-160322	-160323	-167496	-123299	-167496	-167496	-167496	-167496	-123300	-167496	-167496	-167496	-167496	-166514	-167576	-123179	-166881	-167522	-167922
Molecular Weight	39.57	39.57	39.57	43.73	18.13	43.73	43.73	43.73	43.73	18.13	43.73	43.73	43.73	18.13	43.73	43.74	18.21	43.74	43.74	43.74
Mass Density	1.2180	1.2180	1.2180	1.1043	63.0637	1.1043	1.1043	1.0969	1.0969	53.2667	1.0969	1.0969	1.0928	53.2677	1.9085	2.3271	62.7911	3.6895	4.2281	4.6455
Phase: Vapor																				
Mass Flow	360116.7	1440466.7	480150.8	480163.0	0.0	1440489.1	480163.0	0.0	0.0	0.0	1440489.1	480163.0	480163.0	0.0	480163.0	480084.1	0.0	480084.1	480084.1	479913.2
Molar Flow	75.0	300.0	100.0	100.0	0.0	300.0	100.0	0.0	0.0	0.0	300.0	100.0	100.0	0.0	100.0	100.0	0.0	100.0	100.0	99.9
Vapor Volumetric Flow	1363446.8	5453787.0	1817910.8	1858710.1	0.0	5576130.3	1858710.1	0.0	0.0	0.0	5613557.3	1871185.8	1878188.3	0.0	1075464.1	881862.4	0.0	556217.1	485362.0	441746.0
Std Vapor Volumetric Flow	74.9	299.4	99.8	99.8	0.0	299.5	99.8	0.0	0.0	0.0	299.5	99.8	99.8	0.0	99.8	99.8	0.0	99.8	99.8	99.7
Molecular Weight	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.73	43.74	43.74	43.74	43.74	43.76
Mass Density	1.1290	1.1290	1.1290	1.1043	1.1043	1.1043	1.1043	1.0969	1.0969	1.0969	1.0969	1.0969	1.0928	1.0928	1.9085	2.3271	2.3271	3.6895	4.2281	4.6440
Dynamic Viscosity	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0187	0.0157	0.0157	0.0190	0.0174	0.0166
Thermal Conductivity	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0136	0.0112	0.0112	0.0141	0.0129	0.0123
Phase: Liquid																				
Mass Flow	28940.4	115761.7	38586.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170.9
Molar Flow	14.5	58.1	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Liquid Volumetric Flow	57.2	228.9	76.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Std Liquid Volumetric Flow	1990.2	7961.0	2653.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.8
Molecular Weight	18.1	18.1	18.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3
Mass Density	63.1	63.1	63.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.9
Dynamic Viscosity	0.9	0.9	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8
Thermal Conductivity	0.3	0.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
Surface Tension	71.93	71.93	71.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.04
Mole Fraction	82.67%	82.67%	82.67%	98.60%	0.45%	98.60%	98.60%	98.60%	98.60%	0.45%	98.60%	98.60%	98.60%	0.45%	98.60%	98.64%	0.75%	98.64%	98.64%	98.64%
CO2	0.79%	0.79%	0.79%	0.94%	0.00%	0.94%	0.94%	0.94%	0.94%	0.00%	0.94%	0.94%	0.94%	0.00%	0.94%	0.94%	0.00%	0.94%	0.94%	0.94%
Nitrogen	0.07%	0.07%	0.07%	0.08%	0.00%	0.08%	0.08%	0.08%	0.08%	0.00%	0.08%	0.08%	0.08%	0.00%	0.08%	0.08%	0.00%	0.08%	0.08%	0.08%
Helium	0.02%	0.02%	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%	0.00%	0.02%	0.02%	0.00%	0.02%	0.02%	0.02%
Methane	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Ethylene Glycol	16.46%	16.46%	16.46%	0.36%	99.55%	0.36%	0.36%	0.36%	0.36%	99.55%	0.36%	0.36%	0.36%	99.55%	0.36%	0.32%	99.25%	0.32%	0.32%	0.32%
H2O	16.46%	16.46%	16.46%	0.36%	99.55%	0.36%	0.36%	0.36%	0.36%	99.55%	0.36%	0.36%	0.36%	99.55%	0.36%	0.32%	99.25%	0.32%	0.32%	0.32%
Mass Fraction	91.94%	91.94%	91.94%	99.24%	1.05%	99.24%	99.24%	99.24%	99.24%	1.05%	99.24%	99.24%	99.24%	1.05%	99.24%	99.25%	1.82%	99.25%	99.25%	99.25%
CO2	0.56%	0.56%	0.56%	0.60%	0.00%	0.60%	0.60%	0.60%	0.60%	0.00%	0.60%	0.60%	0.60%	0.00%	0.60%	0.60%	0.00%	0.60%	0.60%	0.60%
Nitrogen	0.01%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%
Helium	0.01%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%	0.00%	0.01%	0.01%	0.00%	0.01%	0.01%	0.01%
Methane	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Ethylene Glycol	7.49%	7.49%	7.49%	0.15%	98.91%	0.15%	0.15%	0.15%	0.15%	98.91%	0.15%	0.15%	0.15%	98.91%	0.15%	0.13%	98.18%	0.13%	0.13%	0.13%
H2O	7.49%	7.49%	7.49%	0.15%	98.91%	0.15%	0.15%	0.15%	0.15%	98.91%	0.15%	0.15%	0.15%	98.91%	0.15%	0.13%	98.18%	0.13%	0.13%	0.13%

QUANTITY: N/A  
 REVISIONS:  
 CHECKED BY: NMC  
 APPROVED BY: NMC  
 DRAWING NUMBER: 4108-131040



