



Stream No.	12
Name	
-- Overall --	
Molar flow kmol/h	38.3418
Mass flow kg/h	653.0001
Temp C	-36.6512
Pres MPa	0.0860
Vapor mole fraction	1.000
Enth kW	-512.41
Actual vol m3/h	865.2112
Std liq m3/h	1.0551
Std vap 0 C m3/h	859.3806

Equip. No.	6
Name	
1st Stream dp MPa	0.0200
2nd Stream dp MPa	0.0000
2nd Stream VF Out	1.0000
Calc H Duty kW	86.2340
LMTD (End points) C	9.2324
LMTD Corr Factor	1.0000
1st Stream Pout MPa	1.6000
2nd Stream Pout MPa	0.3470
P1 out specified MPa	1.6000
P2 out specified MPa	0.3470

Equip. No.	23
Name	
1st Stream VF Out	1.0000E-008
Calc H Duty kW	-538.8431
LMTD Corr Factor	1.0000
1st Stream Pout MPa	1.6000
P1 out specified MPa	1.6000

Stream No.	14
Name	
-- Overall --	
Molar flow kmol/h	68.5380
Mass flow kg/h	1167.2704
Temp C	-36.6523
Pres MPa	0.0860
Vapor mole fraction	0.0000
Enth kW	-1378.1
Actual vol m3/h	1.7029
Std liq m3/h	1.8860
Std vap 0 C m3/h	1536.1862

Stream No.	1	2	3	4	5	6	7	8	9	10	11	12
Name												
-- Overall --												
Molar flow kmol/h	76.6837	38.3418	46.7089	46.7089	93.4179	16.7342	16.7342	16.7342	46.7089	46.7089	76.6837	38.3418
Mass flow kg/h	1306.0002	653.0001	795.5000	795.5000	1591.0000	285.0000	285.0000	285.0000	795.5000	795.5000	1306.0002	653.0001
Temp C	-5.1125	90.7936	71.9000	71.9000	41.1115	-5.4200	-5.5662	73.9614	257.2481	41.1115	-36.6512	
Pres MPa	1.5800	0.3470	1.6500	1.6500	1.6000	1.6000	0.3490	0.3470	0.3470	1.6500	1.6000	0.0860
Vapor mole fraction	0.0000	1.000	1.000	1.000	1.000E-008	1.000E-008	0.1807	1.000	1.000	1.000	1.000E-008	1.000
Enth kW	-1487.0	-464.77	-583.79	-583.79	-1706.4	-305.68	-305.68	-219.44	-574.49	-481.75	-1400.7	-512.41
Average mol wt	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310
Actual vol m3/h	2.0261	329.2746	73.9122	73.9122	2.7595	0.4943	18.9070	103.1926	381.6359	122.5332	2.2652	865.2112
Std liq m3/h	2.1102	1.0551	1.2853	1.2853	2.5707	0.4605	0.4605	0.4605	1.2853	1.2853	2.1102	1.0551
Std vap 0 C m3/h	1718.7615	859.3806	1046.9177	1046.9177	2093.8354	375.0742	375.0742	375.0742	1046.9177	1046.9177	1718.7615	859.3806
-- Vapor only --												
Visc cP		0.01253	0.01211	0.01211	0.01102	0.01102	0.009083	0.009077	0.01191	0.01874	0.01102	0.007895
-- Liquid only --												
H latent kcal/kg	305.8				261.4	261.4	306.1				261.4	
Stream No.	13	14	15	16	17	18	19	20	21	22	23	24
Name												
-- Overall --												
Molar flow kmol/h	76.6837	68.5380	8.1457	46.7089	38.3418	46.7089	38.3418	38.3418	46.7089	93.4179	8.3671	8.3671
Mass flow kg/h	1306.0002	1167.2704	138.7298	795.5000	653.0001	795.5000	653.0001	653.0001	795.5000	1591.0000	142.5000	142.5000
Temp C	-36.6523	-36.6523	-36.6523	71.8452	-36.7567	71.9000	-36.6512	-36.7567	71.8451	71.2825	-5.5662	-5.5662
Pres MPa	0.0860	0.0860	0.0860	1.6300	0.0815	1.6500	0.0860	0.0815	1.6300	1.6000	0.3470	0.3470
Vapor mole fraction	0.1062	0.0000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Enth kW	-1487.0	-1378.1	-108.86	-583.79	-512.41	-583.79	-512.41	-512.41	-583.79	-1167.6	-109.72	-109.72
Average mol wt	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310	17.0310
Actual vol m3/h	185.5154	1.7029	183.8125	74.8423	912.9870	73.9122	865.2112	912.9870	74.8423	152.5625	51.5963	51.5963
Std liq m3/h	2.1102	1.8860	0.2242	1.2853	1.0551	1.2853	1.0551	1.0551	1.2853	2.5707	0.2302	0.2302
Std vap 0 C m3/h	1718.7615	1536.1862	182.5753	1046.9177	859.3806	1046.9177	859.3806	859.3806	1046.9177	2093.8354	187.5371	187.5371
-- Vapor only --												
Visc cP	0.007895		0.007895	0.01210	0.007890	0.01211	0.007895	0.007890	0.01210	0.01208	0.009077	0.009077
-- Liquid only --												
H latent kcal/kg	329.4	329.4										
Stream No.	25	26	27	28								
Name												
-- Overall --												
Molar flow kmol/h	38.3418	46.7089	46.7089	46.7089								
Mass flow kg/h	653.0001	795.5000	795.5000	795.5000								
Temp C	90.7936	73.9614	257.2482	71.9000								
Pres MPa	0.3470	0.3470	1.6500	1.6500								
Vapor mole fraction	1.000	1.000	1.000	1.000								
Enth kW	-464.77	-574.49	-481.75	-583.79								
Average mol wt	17.0310	17.0310	17.0310	17.0310								
Actual vol m3/h	329.2746	381.6359	122.5332	73.9122								
Std liq m3/h	1.0551	1.2853	1.2853	1.2853								
Std vap 0 C m3/h	859.3806	1046.9177	1046.9177	1046.9177								
-- Vapor only --												
Visc cP	0.01253	0.01191	0.01874	0.01211								
-- Liquid only --												
H latent kcal/kg												