Equip. No.	1
Name	
Pressure out MPa	0.3020
Type of Compressor	1
Efficiency	0.7500
Actual power kW	41.8292
Cp/Cv	1.3415
Theoretical power kW	31.3719
Ideal Cp/Cv	1.3170
Calc Pout MPa	0.3020
Calc. mass flowrate (kg/h)	645

Equip. No.	8
Name	
Pressure out MPa	2.1000
Type of Compressor	1
Efficiency	0.7350
Actual power kW	119.0058
Cp/Cv	1.3171
Theoretical power kW	87.4693
Ideal Cp/Cv	1.2874
Calc Pout MPa	2.1000
Calc. mass flowrate (kg/h)	820

Equip. No.	2
Name	
1st Stream T Out C	85.0000
Calc Ht Duty kW	-117.2024
LMTD Corr Factor	1.0000
1st Stream Pout MPa	2.1000
P1 out specifed MPa	2.1000

Stream No.	12
Name	
- - Overall - -	
Molar flow kmol/h	37.8721
Mass flow kg/h	645.0000
Temp C	-36.6512
Pres MPa	0.0860
Vapor mole fraction	1.000
Enth kW	-506.13
Actual vol m3/h	854.6113
Std liq m3/h	1.0422
Std vap 0 C m3/h	848.8522

Equip. No.	3
Name	
1st Stream dp MPa	0.0300
1st Stream VF Out	1.0000e-008
Calc Ht Duty kW	-270.4643
LMTD Corr Factor	1.0000
1st Stream Pout MPa	2.0340
P1 out specifed MPa	2.0340

Equip. No.	6
Name	
1st Stream dp MPa	0.0200
2nd Stream dp MPa	0.0010
2nd Stream VF Out	1.0000
Calc Ht Duty kW	50.2248
LMTD (End points) C	22.4947
LMTD Corr Factor	1.0000
1st Stream Pout MPa	2.0140
2nd Stream Pout MPa	0.3020
P1 out specifed MPa	2.0140
P2 out specifed MPa	0.3020

Stream No.	14
Name	
- - Overall - -	
Molar flow kmol/h	33.6389
Mass flow kg/h	572.9045
Temp C	-36.6523
Pres MPa	0.0860
Vapor mole fraction	0.0000
Enth kW	-676.39
Actual vol m3/h	0.8358
Std liq m3/h	0.9257
Std vap 0 C m3/h	753.9710

Stream No.	1	2	3	4	5	6	7	8	9	10	11	12
Name												
- - Overall - -												
Molar flow kmol/h	37.8721	37.8721	48.1475	48.1475	48.1475	10.2754	10.2754	10.2754	48.1475	48.1475	37.8721	37.8721
Mass flow kg/h	645.0000	645.0000	820.0000	820.0000	820.0000	175.0000	175.0000	175.0000	820.0000	820.0000	645.0000	645.0000
Temp C	-3.5622	77.2011	85.0000	85.0000	50.0838	50.0838	-8.9911	-9.0722	59.1762	286.3562	50.0838	-36.6512
Pres MPa	2.0140	0.3020	2.1000	2.1000	2.0340	2.0340	0.3030	0.3020	0.3020	2.1000	2.0340	0.0860
Vapor mole fraction	0.0000	1.000	1.000	1.000	1.000E-008	1.000E-008	0.2297	1.000	1.000	1.000	1.000E-008	1.000
Enth kW	-732.96	-464.30	-597.51	-597.51	-867.98	-185.24	-185.24	-135.01	-599.32	-480.31	-682.74	-506.13
Actual vol m3/h	1.0039	359.8572	61.2534	61.2534	1.4599	0.3116	16.7277	72.1366	432.8023	104.6905	1.1484	854.6113
Std liq m3/h	1.0422	1.0422	1.3249	1.3249	1.3249	0.2828	0.2828	0.2828	1.3249	1.3249	1.0422	1.0422
Std vap 0 C m3/h	848.8522	848.8522	1079.1610	1079.1610	1079.1610	230.3087	230.3087	230.3087	1079.1610	1079.1610	848.8522	848.8522

Stream No.	13	14	15
Name			
- - Overall - -			
Molar flow kmol/h	37.8721	33.6389	4.2332
Mass flow kg/h	645.0001	572.9045	72.0955
Temp C	-36.6523	-36.6523	-36.6523
Pres MPa	0.0860	0.0860	0.0860
Vapor mole fraction	0.1118	0.0000	1.000
Enth kW	-732.96	-676.39	-56.573
Actual vol m3/h	96.3597	0.8358	95.5243
Std liq m3/h	1.0422	0.9257	0.1165
Std vap 0 C m3/h	848.8523	753.9710	94.8813