



NTNU
Calgary, Alberta
CANADA

Case Name: M:\5kl\Projekt\Hysys\8_22\19 3P HC SC IC 75.hsc

Unit Set: SI

Date/Time: Mon Dec 01 11:22:49 2003

Workbook: Case (Main)

Material Streams

Name	Dry feed gas	PCR	LCR	SCR	1
Vapour Fraction	1.0000	0.0000 *	1.0000	1.0000	0.0000
Temperature (C)	8.000	8.000 *	8.000	8.000	-10.00
Pressure (kPa)	7000 *	2101	1640 *	5300 *	2101
Molar Flow (kgmole/h)	4.628e+004	6.012e+004 *	2.083e+004	2.515e+004	4.436e+004 *
Mass Flow (kg/h)	8.000e+005 *	2.052e+006	6.200e+005 *	5.500e+005 *	1.514e+006
Liquid Volume Flow (m3/h)	2588	5126	1711	1579	3782
Heat Flow (kJ/h)	-3.619e+009	-6.248e+009	-1.815e+009	-1.881e+009	-4.696e+009
Name	2	4	5	6	7
Vapour Fraction	0.0000	0.0216	1.0000	1.0000	1.0000
Temperature (C)	-10.00	-12.60 *	-10.00 *	-10.00	-10.00
Pressure (kPa)	2101	1268	7000	5300	1640
Molar Flow (kgmole/h)	6.012e+004	1.577e+004	4.628e+004	2.515e+004	2.083e+004
Mass Flow (kg/h)	2.052e+006	5.382e+005	8.000e+005	5.500e+005	6.200e+005
Liquid Volume Flow (m3/h)	5126	1344	2588	1579	1711
Heat Flow (kJ/h)	-6.365e+009	-1.669e+009	-3.663e+009	-1.908e+009	-1.838e+009
Name	8	9	11	12	13
Vapour Fraction	0.0000	0.0223	1.0000	1.0000	1.0000
Temperature (C)	-30.00	-33.00 *	-13.00	5.438	25.96
Pressure (kPa)	2101	709.6	709.6	1268	1268
Molar Flow (kgmole/h)	4.436e+004	2.976e+004	2.976e+004	1.577e+004	4.436e+004
Mass Flow (kg/h)	1.514e+006	1.016e+006	1.016e+006	5.382e+005	1.514e+006
Liquid Volume Flow (m3/h)	3782	2537	2537	1344	3782
Heat Flow (kJ/h)	-4.780e+009	-3.207e+009	-2.771e+009	-1.460e+009	-4.047e+009
Name	14	15	16	17	18
Vapour Fraction	1.0000	1.0000	1.0000	0.0458	0.8196
Temperature (C)	7.328	38.61	-30.00 *	-30.00	-30.00
Pressure (kPa)	1268	2101	7000	1640	5300
Molar Flow (kgmole/h)	6.012e+004	6.012e+004	4.628e+004	2.083e+004	2.515e+004
Mass Flow (kg/h)	2.052e+006	2.052e+006	8.000e+005	6.200e+005	5.500e+005
Liquid Volume Flow (m3/h)	5126	5126	2588	1711	1579
Heat Flow (kJ/h)	-5.559e+009	-5.480e+009	-3.718e+009	-2.079e+009	-1.963e+009
Name	19	3	10	20	21
Vapour Fraction	0.0000	0.0000	0.3986	1.0000	0.0000
Temperature (C)	-10.00	-50.00	-50.00	-50.00 *	-30.00
Pressure (kPa)	2101	1640	5300	7000	2101
Molar Flow (kgmole/h)	1.577e+004	2.083e+004	2.515e+004	4.628e+004	2.976e+004
Mass Flow (kg/h)	5.382e+005	6.200e+005	5.500e+005	8.000e+005	1.016e+006
Liquid Volume Flow (m3/h)	1344	1711	1579	2588	2537
Heat Flow (kJ/h)	-1.669e+009	-2.123e+009	-2.042e+009	-3.797e+009	-3.207e+009
Name	22	23	24	25	26
Vapour Fraction	0.0000	0.0000	0.0194	1.0000	1.0000
Temperature (C)	-30.00	-50.00	-52.70 *	-33.00	-7.666
Pressure (kPa)	2101	2101	365.3	365.3	709.6
Molar Flow (kgmole/h)	1.460e+004 *	1.460e+004	1.460e+004	1.460e+004	4.436e+004
Mass Flow (kg/h)	4.983e+005	4.983e+005	4.983e+005	4.983e+005	1.514e+006
Liquid Volume Flow (m3/h)	1245	1245	1245	1245	3782
Heat Flow (kJ/h)	-1.573e+009	-1.598e+009	-1.598e+009	-1.370e+009	-4.117e+009
Name	27	28			
Vapour Fraction	1.0000	1.0000			
Temperature (C)	3.089	8.000			
Pressure (kPa)	709.6	1268			
Molar Flow (kgmole/h)	1.460e+004	4.436e+004			
Mass Flow (kg/h)	4.983e+005	1.514e+006			
Liquid Volume Flow (m3/h)	1245	3782			
Heat Flow (kJ/h)	-1.345e+009	-4.099e+009			