



NTNU
Calgary, Alberta
CANADA

Case Name:	M:\5kl\Projekt\Hysys\1_7\2 3P CO2 SC.HSC
Unit Set:	SI
Date/Time:	Mon Dec 01 11:00:36 2003

Workbook: Case (Main)

Material Streams

Name	28NG	1	20LCR	24SCR	6
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 *	4830	1640 *	5300 *	4830
Molar Flow (kgmole/h)	4.628e+004	6.277e+004	2.083e+004	2.515e+004	4.458e+004
Mass Flow (kg/h)	8.000e+005 *	2.763e+006	6.200e+005 *	5.500e+005 *	1.962e+006
Liquid Volume Flow (m3/h)	2588	3347	1711	1579	2377
Heat Flow (kJ/h)	-3.619e+009	-2.551e+010	-1.815e+009	-1.881e+009	-1.821e+010
Name	5	3	29	25	21
Vapour Fraction	0.0000	0.1861	1.0000	1.0000	1.0000
Temperature (C)	8.000	-11.00 *	-10.00 *	-10.00	-10.00
Pressure (kPa)	4830	2529	7000	5300	1640
Molar Flow (kgmole/h)	4.458e+004	1.819e+004	4.628e+004	2.515e+004	2.083e+004
Mass Flow (kg/h)	1.962e+006	8.005e+005	8.000e+005	5.500e+005	6.200e+005
Liquid Volume Flow (m3/h)	2377	969.9	2588	1579	1711
Heat Flow (kJ/h)	-1.812e+010	-7.391e+009	-3.663e+009	-1.908e+009	-1.838e+009
Name	11	8	9	4	16
Vapour Fraction	0.0000	0.1454	1.0000	1.0000	1.0000
Temperature (C)	-30.00	-31.00 *	-13.00	4.955	40.40
Pressure (kPa)	4830	1342	1342	2529	2529
Molar Flow (kgmole/h)	1.436e+004 *	3.022e+004	3.022e+004	1.819e+004	4.458e+004
Mass Flow (kg/h)	6.320e+005	1.330e+006	1.330e+006	8.005e+005	1.962e+006
Liquid Volume Flow (m3/h)	765.7	1612	1612	969.9	2377
Heat Flow (kJ/h)	-5.894e+009	-1.235e+010	-1.197e+010	-7.202e+009	-1.758e+010
Name	17	18	30	22	26
Vapour Fraction	1.0000	1.0000	1.0000	0.0458	0.8196
Temperature (C)	29.88	81.31	-30.00 *	-30.00	-30.00
Pressure (kPa)	2529	4830	7000	1640	5300
Molar Flow (kgmole/h)	6.277e+004	6.277e+004	4.628e+004	2.083e+004	2.515e+004
Mass Flow (kg/h)	2.763e+006	2.763e+006	8.000e+005	6.200e+005	5.500e+005
Liquid Volume Flow (m3/h)	3347	3347	2588	1711	1579
Heat Flow (kJ/h)	-2.478e+010	-2.468e+010	-3.718e+009	-2.079e+009	-1.963e+009
Name	2	23	27	31	7
Vapour Fraction	0.0000	0.0000	0.3986	1.0000	0.0000
Temperature (C)	8.000	-50.00	-50.00	-50.00 *	-10.00
Pressure (kPa)	4830	1640	5300	7000	4830
Molar Flow (kgmole/h)	1.819e+004 *	2.083e+004	2.515e+004	4.628e+004	3.022e+004 *
Mass Flow (kg/h)	8.005e+005	6.200e+005	5.500e+005	8.000e+005	1.330e+006
Liquid Volume Flow (m3/h)	969.9	1711	1579	2588	1612
Heat Flow (kJ/h)	-7.391e+009	-2.123e+009	-2.042e+009	-3.797e+009	-1.235e+010
Name	12	13	15	14	10
Vapour Fraction	0.1200	1.0000	1.0000	1.0000	0.0000
Temperature (C)	-51.00 *	-33.16	-4.277	14.24	-10.00
Pressure (kPa)	632.2	632.2	1342	1342	4830
Molar Flow (kgmole/h)	1.436e+004	1.436e+004	4.458e+004	1.436e+004	1.436e+004
Mass Flow (kg/h)	6.320e+005	6.320e+005	1.962e+006	6.320e+005	6.320e+005
Liquid Volume Flow (m3/h)	765.7	765.7	2377	765.7	765.7
Heat Flow (kJ/h)	-5.894e+009	-5.692e+009	-1.764e+010	-5.670e+009	-5.867e+009
Name	19				
Vapour Fraction	0.0000 *				
Temperature (C)	13.00				
Pressure (kPa)	4830				
Molar Flow (kgmole/h)	6.277e+004				
Mass Flow (kg/h)	2.763e+006				
Liquid Volume Flow (m3/h)	3347				
Heat Flow (kJ/h)	-2.546e+010				