



Stream	0	1	2	3	4	5	6	7	8	9	10	11	12	13
N <sub>2</sub> (mol/s)	16.28	16.28	16.28	16.28	16.28	16.28	16.28	16.28	16.28	16.28	16.28	0.00	0.00	0.00
O <sub>2</sub> (mol/s)	4.38	4.38	4.38	4.38	3.88	3.88	3.88	3.88	3.88	3.88	3.88	0.00	0.00	0.00
CO <sub>2</sub> (mol/s)	0.00	0.00	0.00	0.00	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.00	0.00	0.00
H <sub>2</sub> O (mol/s)	0.21	0.21	0.21	0.21	0.61	0.61	0.61	0.61	0.61	0.61	0.61	85.19	85.19	0.07
CH <sub>1.4</sub> O <sub>0.6</sub> (mol/s)	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	0.48
Molar flow (mol/s)	20.87	20.87	20.87	20.87	21.25	21.25	21.25	21.25	21.25	21.25	21.25	85.19	85.19	0.55
Pressure (kPa-a)	101.32	100.32	376.22	371.22	366.22	365.22	355.22	162.43	111.32	106.32	101.32	200.00	195.00	371.22
Temperature (°C)	15.00	15.00	186.97	577.79	860.00	860.00	860.00	714.15	652.23	280.79	80.00	70.00	90.00	25.00
Enthalpy (J/mol)	-2710	-2710	2349	14476	10757	10757	10757	5789	3716	-8194	-14251	-282443	-280932	-134017
Entropy (J/mol-K)	193.30	193.40	196.20	215.30	225.50	225.50	225.80	227.60	228.60	212.50	199.40	80.52	84.80	34.95

REV.	DATE	DESCRIPTION	P.G.A.	D.D.A.	D.O.A.
0	14/01/15	Initial Issue			
SCALE			DRAWN		
-			CHECKED		
SIZE			APPROVED		
DIN A3					

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX <b>BIOMASS BRAYTON CYCLE</b> <b>PROCESS FLOW DIAGRAM</b>	<b>DRAWING N°</b> 0123-1-PFD	0 REV.
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