Initial material temp	150.000	Deg C
Initial material mass	80000.000	Kg/hr
Ambient temp	50.000	Deg c
Compressor pressure	3.000	Bar
Comp pressure drop upto usage pt	1.000	Bar
Ambient pressure	1.000	Bar
Initial ash temp	150	Deg C
Initial air temp	50	Deg C
Material sp heat	1.04125	Kj/kg
Air sp heat	0.9996	Kj/kg

Nodal length (m)	Pipe ID(mm)	flow at start node kg/hr	flow at end node kg/hr	Node starting Pr (" HGA)	Node end Pr (" HGA)	Air pr.drop (bar)	Total pr. drop across the node(bar)	Abs press	T air at start	dT air	T air at end	Temp mix begin	dheat kj/hr at start	dTempAir HeatMat deg c	Temp mix end	Temp diff at start	Temp diff at end	dTempdiff st	TempMix2
40.00	304.90	3187.69	3882.29	34.68	28.48	0.002	0.21												
50.00	254.10	3002.82	3187.69	37.05	34.68	0.003	0.08												
100.00	254.10	2668.40	3002.82	42.21	37.05	0.009	0.17												
100.00	254.10	2416.59	2668.40	47.18	42.21	0.009	0.17												
100.00	254.10	2203.76	2416.59	52.36	47.18	0.008	0.17												
100.00	254.10	2042.72	2203.76	57.16	52.36	0.007	0.16												
50.00	254.10	1972.23	2042.72	59.56	57.16	0.004	0.08												
100.00	254.10	1846.94	1972.23	64.34	59.56	0.007	0.16	2.99	40.61	-4.887	35.73	35.02	409790.38	4.92	39.94	-14.98	-10.06	-14.99	54.93
100.00	254.10	1732.42	1846.94	69.39	64.34	0.007	0.17	2.99	45.86	-5.247	40.61	75.58	414545.93	4.98	80.55	25.58	30.55	45.53	35.02
50.00	254.10	1648.35	1732.42	73.35	69.39	0.003	0.13	3.00	50.00	-4.138	45.86	145.33	416923.71	5.01	150.33	95.33	100.33	74.76	75.58