

Equivalent flow rate (slmp)	Ratio C/O	Xn-butane HAB(mm) /T plate / KHAB(mm) /Benzene	XOxygen T gaz / K Benzene	XNitrogen HAB(mm) Vinylacetylene/HAB(mm) 1-3 Butadiene/HAB(mm) 1-3 Butadiene	Class	Total plate/ mm
1.6	0.49	8.83%	35.86%	55.32%	non-sooting flame	6.71
1	1707	16	733	0	9.96E-06	0
3.77E-05	0.5	2.56E-05	0	9.77E-05	0	7.42E-05
0.02166	0	0.00117	0	0.00684	0	0.00613
0.08564	0	0.48496	0	0.13796	2	1767
7.69E-06	0.5	5.69E-07	0.5	4.07E-05	1	2.65E-05
1.16E-04	0.5	9.56E-05	0.5	0.01319	0.5	0.00148
0.00787	0.5	0.00683	0.5	0.05824	0.5	0.46302
0.14695						
7.69E-06	1	5.74E-07	1	4.12E-05	1.5	2.77E-05
1.24E-04	1	9.55E-05	1	0.01119	1	0.0015
0.00851	1	0.0069	1	0.05153	1	0.4642
0.15297						
7.40E-06	1.5	7.32E-07	1.5	3.85E-05	2	3.00E-05
1.31E-04	1.5	8.28E-05	1.5	0.00746	1.5	0.00139
0.00964	1.5	0.0065	1.5	0.03838	1.5	0.46242
0.16182						
7.34E-06	2	1.44E-06	2	0.00003226	2.5	1.90E-05
1.38E-04	2	5.33E-05	2	0.00213	2	9.73E-04
0.01164	2	0.00555	2	0.01984	2	0.46489
0.17669						
6.16E-06	2.5	2.20E-06	2.5	4.42E-06	3	1.66E-05
6.44E-05	2.5	4.05E-06	2.5	2.68E-05	2.5	3.27E-05
0.0132	2.5	0.0014	2.5	0.00546	2.5	0.4522
0.18824						
3.66E-06	3	2.98E-06	3	3.01E-06	3.5	1.34E-05
5.05E-05	3	2.26E-06	3	1.44E-05	3	1.57E-05
0.01065	3	1.36E-04	3	0.00143	3	0.4597
0.18729						
3.27E-06	3.5	2.35E-06	3.5	2.29E-06	4	1.12E-05
4.23E-05	3.5	1.58E-06	3.5	1.22E-05	3.5	1.11E-05
0.00959	3.5	9.60E-05	3	0.00119	3.5	0.4498
0.1939						
2.90E-06	4	1.91E-06	4	1.89E-06	4.5	9.36E-06
3.67E-05	4	1.35E-06	4	1.05E-05	4	9.68E-06
0.00859	4	8.58E-05	3.5	9.87E-04	4	0.45105
0.19493						
2.43E-06	4.5	1.60E-06	4.5	1.63E-06	5	7.82E-06
2.43E-05	4.5	1.13E-06	4.5	9.31E-06	4.5	8.99E-06

0.00779	4.5	7.96E-05	4	7.52E-04	4.5	0.45473	4.5
0.19674							
							5
2.18E-06	5	1.34E-06	5	1.37E-06	5.25	7.58E-06	5
2.09E-05	5	1.02E-06	5	8.23E-06	5	8.09E-06	5
0.00705	5	7.29E-05	4.5	6.88E-04	5	0.44836	5
0.19401							
							5.25
2.32E-06	5.25	1.34E-06	5.25	1.30E-06	5.5	7.18E-06	5.25
2.86E-05	5.5	9.56E-07	5.25	8.25E-06	5.25	7.71E-06	5.25
0.00699	5.25	7.38E-05	5	7.28E-04	5.5	0.45145	5.25
0.1944							
							5.5
2.10E-06	5.5	1.28E-06	5.5	1.27E-06	5.75	6.51E-06	5.5
2.10E-05	5.25	9.79E-07	5.5	7.31E-06	5.5	7.90E-06	5.5
0.00669	5.5	7.35E-05	5.25	7.45E-04	5.25	0.44848	5.5
0.19628							
							5.75
2.02E-06	5.75	1.12E-06	5.75	1.15E-06	6.25	5.60E-06	5.75
2.57E-05	5.75	8.98E-07	5.75	7.06E-06	5.75	7.26E-06	5.75
0.00643	5.75	7.00E-05	5.5	6.67E-04	5.75	0.44225	5.75
0.19224							
							6.25
1.65E-06	6.25	9.11E-07	6.25	9.82E-07	6.75	4.76E-06	6.25
2.21E-05	6.25	7.87E-07	6.25	6.41E-06	6.25	6.85E-06	6.25
0.00576	6.25	6.71E-05	5.75	7.39E-04	6.25	0.44516	6.25
0.19263							
							6.75
1.48E-06	6.75	8.12E-07	6.75	8.26E-07	7.25	4.51E-06	6.75
2.06E-05	6.75	7.50E-07	6.75	5.92E-06	6.75	6.11E-06	6.75
0.00539	6.75	6.27E-05	6.25	7.01E-04	6.75	0.43348	6.75
0.18741							
							7.25
1.45E-06	7.25	7.26E-07	7.25	8.24E-07	7.75	3.90E-06	7.25
1.90E-05	7.25	6.83E-07	7.25	5.41E-06	7.25	6.12E-06	7.25
0.00516	7.25	6.62E-05	6.75	9.28E-04	7.25	0.44615	7.25
0.19308							
							7.75
1.40E-06	7.75	6.18E-07	7.75	7.42E-07	8.25	3.94E-06	7.75
1.75E-05	7.75	6.27E-07	7.75	5.03E-06	7.75	5.55E-06	7.75
0.00482	7.75	6.41E-05	7.25	6.92E-04	7.75	0.43705	7.75
0.18934							
							8.25
1.32E-06	8.25	6.12E-07	8.25	7.41E-07	8.75	3.33E-06	8.25
1.69E-05	8.25	6.13E-07	8.25	4.80E-06	8.25	5.45E-06	8.25
0.00474	8.25	7.02E-05	7.75	7.78E-04	8.25	0.44906	8.25
0.19531							
							8.75
1.25E-06	9.5	4.95E-07	9.75	7.56E-07	9.25	3.20E-06	8.75
1.51E-05	8.75	5.04E-07	8.75	4.31E-06	8.75	4.82E-06	8.75
0.00437	8.75	6.68E-05	8.25	5.96E-04	8.75	0.43905	8.75
0.19018							
							9.25
1.32E-06	9.75	5.10E-07		9.5	3.38E-06	9.25	
1.47E-05	10	4.53E-07	9.25	4.24E-06	9.25	4.49E-06	9.25
0.00431	9.25	7.05E-05	8.75	6.91E-04	9.75	0.45031	9.25
0.19007							

								9.5
1.49E-06				9.75	3.50E-06	9.5	1.55E-05	
10.5	4.01E-07	9.5	4.28E-06	9.5	4.41E-06	9.5	0.00447	
9.5	7.71E-05	9.25	7.16E-04	9.25	0.43757	9.5	0.19299	
								9.75
1.65E-06				10	3.27E-06	9.75	1.56E-05	
11	3.78E-07	9.75	4.44E-06	9.75	4.53E-06	9.75	0.00456	
9.75	8.21E-05	9.5	6.12E-04	9.5	0.44254	9.75	0.19835	
								10
1.51E-06				10.5	3.02E-06	10	1.47E-05	
11.5	3.33E-07	10	4.18E-06	10	4.10E-06	10	0.00434	
10	8.13E-05	9.75	6.01E-04	10	0.43984	10	0.19264	
								10.5
1.56E-06				11	2.86E-06	10.5	1.38E-05	
12	2.82E-07	10.5	3.90E-06	10.5	3.79E-06	10.5	0.00419	
10.5	8.49E-05	10	6.06E-04	10.5	0.44091	10.5	0.19306	
								11
1.50E-06				11.5	2.71E-06	11	1.30E-05	
12.5	2.78E-07	11	3.25E-06	11	3.39E-06	11	0.00403	
11	8.84E-05	10.5	6.02E-04	11	0.43697	11	0.19084	
								11.5
1.49E-06				12	2.39E-06	11.5	1.21E-05	
	11.5	3.43E-06	11.5	3.08E-06	11.5	0.0039	11.5	
9.47E-05	11	5.89E-04	11.5	0.4359	11.5	0.1903		
								12
1.33E-06				12.5	2.62E-06	12	1.07E-05	
	12	3.05E-06	12	2.72E-06	12	0.00362	12	
9.61E-05	11.5	6.04E-04	12	0.43572	12	0.18873		
								12.5
1.63E-06					12.5	1.13E-05		
12.5	3.19E-06	12.5	2.50E-06	12.5	0.00381	12.5	1.11E-04	
12	5.99E-04	12.5	0.43322	12.5	0.1899			

12.5 6.46E-04