

Bio-Gas Burners Selection Chart

Burner Selection		Load in Mkal / Hr		Bio-Gas Burners
Burner Model	Boiler TPH	Full: min-max	Part: min-max	Biogas, NM ³
				CV=5500 Kcal/NM ³
IBB 05	0.3-0.6	0.17 - 0.34	0.08 - 0.17	32 - 63
IBB 10	0.6-1.0	0.34 - 0.51	0.13 - 0.17	63 - 95
IBB 20	1.0-1.5	0.51 - 0.86	0.17 - 0.28	95 - 158
IBB 30.1	1.5-2.0	0.86 - 1.55	0.28 - 0.51	158 - 284
IBB 30.2	3	1.55 - 2.15	0.51 - 0.73	284 - 395
IBB 40.1	4	2.15 - 2.75	0.73 - 0.92	395 - 506
IBB 40.2	5	2.75 - 3.44	0.92 - 1.15	506 - 632
IBB 60.1	6	3.44 - 4.12	1.15 - 1.37	632 - 758
IBB 60.2	7-8	4.12 - 5.07	1.37 - 1.71	758 - 932
IBB 60.3	9	5.07 - 6.01	1.72 - 2.01	932 - 1106
IBB 80.1	10	6.01 - 6.7	2.01 - 2.23	1106 - 1232
IBB 80.2	11	6.7 - 7.3	2.23 - 2.43	1232 - 1343
IBB 80.3	12	7.3 - 7.98	2.43 - 2.66	1343 - 1469
IBB 90.1	15	7.98 - 9.44	2.66 - 3.0	1469 - 1738
IBB 90.2	16-17	9.44 - 10.65	3.0 - 3.55	1738 - 1960
IBB 90.3	18-19	10.65 - 11.94	3.56 - 3.98	1960 - 2196
IBB 100.1		11.94 - 13.31	3.98 - 4.44	2196 - 2450
IBB 100.2		13.31 - 14.68	4.44 - 4.89	2450 - 2702
IBB 100.3		14.68 - 15.97	4.89 - 5.32	2702 - 2940
IBB 120.1		15.97 - 17.18	5.32 - 5.72	2940 - 3160
IBB 120.2		17.18 - 19.32	5.72 - 6.44	3160 - 3555
IBB 120.3		19.32 - 20.61	6.44 - 6.87	3555 - 3920

Salient Features :

- Duobloc with unmatched flexibility
- Biogas can be burnt efficiently
- All burners are modulating type with high turn down ratio (1 : 5) and suitable for continuous modulation
- High efficiency, low maintenance and long service life
- Can be supplied for combustion air temperatures upto 400 degree C
- Fully Automatic with excellent safety features
- Separate fan increases firing flexibility like high furnace back pressure or air pre-heating or no reduction in burner output capacity.