

Gas Burners Selection Chart

Burner Selection		Load in Mkal / Hr		Gas Burners	
Burner Model	Boiler TPH	Full: min-max	Part: min-max	Natural Gas, NM ³	LPG, NM ³
				CV=8650 Kcal/NM ³	CV=11500 Kcal/NM ³
IBG 05	0.3-0.6	0.17 - 0.34	0.08 - 0.17	20 - 40	15 - 30
IBG 10	0.6-1.0	0.34 - 0.51	0.13 - 0.17	40 - 60	30 - 45
IBG 20	1.0-1.5	0.51 - 0.86	0.17 - 0.28	60 - 90	45 - 75
IBG 30.1	1.5-2.0	0.86 - 1.55	0.28 - 0.51	100 - 180	75 - 135
IBG 30.2	3	1.55 - 2.15	0.51 - 0.73	180 - 250	135 - 188
IBG 40.1	4	2.15 - 2.75	0.73 - 0.92	250 - 320	188 - 240
IBG 40.2	5	2.75 - 3.44	0.92 - 1.15	320 - 400	240 - 300
IBG 60.1	6	3.44 - 4.12	1.15 - 1.37	400 - 480	300 - 360
IBG 60.2	7-8	4.12 - 5.07	1.37 - 1.71	480 - 590	360 - 443
IBG 60.3	9	5.07 - 6.01	1.72 - 2.01	590 - 700	443 - 525
IBG 80.1	10	6.01 - 6.7	2.01 - 2.23	700 - 780	525 - 585
IBG 80.2	11	6.7 - 7.3	2.23 - 2.43	780 - 850	585 - 638
IBG 80.3	12	7.3 - 7.98	2.43 - 2.66	850 - 930	638 - 698
IBG 90.1	15	7.98 - 9.44	2.66 - 3.0	930 - 1100	698 - 825
IBG 90.2	16-17	9.44 - 10.65	3.0 - 3.55	1100 - 1240	825 - 930
IBG 90.3	18-19	10.65 - 11.94	3.56 - 3.98	1240 - 1390	930 - 975
IBG 100.1		11.94 - 13.31	3.98 - 4.44	1390 - 1550	975 - 1162
IBG 100.2		13.31 - 14.68	4.44 - 4.89	1550 - 1710	1162 - 1282
IBG 100.3		14.68 - 15.97	4.89 - 5.32	1710 - 1860	1282 - 1395
IBG 120.1		15.97 - 17.18	5.32 - 5.72	1860 - 2000	1395 - 1500
IBG 120.2		17.18 - 19.32	5.72 - 6.44	2000 - 2250	1500 - 1687
IBG 120.3		19.32 - 20.61	6.44 - 6.87	2250 - 2400	1687 - 1800

Salient Features :

- Duobloc with unmatched flexibility
- All high calorific value standard gaseous fuels mainly LPG / CNG / PNG 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.