

# Producer Gas Burners Selection Chart

Burner Selection		Load in Mkal / Hr		Producer Gas Burners
Burner Model	Boiler TPH	Full: min-max	Part: min-max	PG, NM <sup>3</sup>
				CV=1150 Kcal/NM <sup>3</sup>
IBP 05	0.3-0.6	0.17 - 0.34	0.08 - 0.17	150 - 300
IBP 10	0.6-1.0	0.34 - 0.51	0.13 - 0.17	300 - 452
IBP 20	1.0-1.5	0.51 - 0.86	0.17 - 0.28	452 - 754
IBP 30.1	1.5-2.0	0.86 - 1.55	0.28 - 0.51	754 - 1357
IBP 30.2	3	1.55 - 2.15	0.51 - 0.73	1357 - 1885
IBP 40.1	4	2.15 - 2.75	0.73 - 0.92	1885 - 2413
IBP 40.2	5	2.75 - 3.44	0.92 - 1.15	2413 - 3016
IBP 60.1	6	3.44 - 4.12	1.15 - 1.37	3016 - 3619
IBP 60.2	7-8	4.12 - 5.07	1.37 - 1.71	3619 - 4448
IBP 60.3	9	5.07 - 6.01	1.72 - 2.01	4448 - 5278
IBP 80.1	10	6.01 - 6.7	2.01 - 2.23	5278 - 5881
IBP 80.2	11	6.7 - 7.3	2.23 - 2.43	5881 - 6409
IBP 80.3	12	7.3 - 7.98	2.43 - 2.66	6409 - 7012
IBP 90.1	15	7.98 - 9.44	2.66 - 3.0	7012 - 8294
IBP 90.2	16-17	9.44 - 10.65	3.0 - 3.55	8294 - 9350
IBP 90.3	18-19	10.65 - 11.94	3.56 - 3.98	9350 - 10480
IBP 100.1		11.94 - 13.31	3.98 - 4.44	10480 - 11687
IBP 100.2		13.31 - 14.68	4.44 - 4.89	11687 - 12893
IBP 100.3		14.68 - 15.97	4.89 - 5.32	12893 - 14024
IBP 120.1		15.97 - 17.18	5.32 - 5.72	....
IBP 120.2		17.18 - 19.32	5.72 - 6.44	....
IBP 120.3		19.32 - 20.61	6.44 - 6.87	....

## Salient Features :

- Duobloc with unmatched flexibility
- Low calorific value gaseous fuels mainly Producer Gas / Coal Gas / BF Gas can be burnt efficiently
- All burners are modulating type with high turn down ratio (1 : 5) and suitable for continuous modulation
- High efficiency, low maintainance 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. • Separate fan increases firing flexibility like high furnace back pressure or air pre-heating or no reduction in burner output capacity.