



# Burnovate Energy Systems Pvt. Ltd.

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## Fluidized-bed Gasifier

Model	Internal Diameter (mm)	Hearth Area (m <sup>2</sup> )	Gas Output (Nm <sup>3</sup> /hr)	Maximum Coal Feeding Capacity (kg/hr)	Species Parameters (%)	Gas Temperature (°C)	Calorific Value
<b>BFDG10H</b>	1000	0.78	1200-1500	500	CO : 18-23% H <sub>2</sub> : 12-18% CH <sub>4</sub> : 2-4% CO <sub>2</sub> : 8-12% N <sub>2</sub> : 45-55%	400-900	1050 – 1450 Kcal/Nm <sup>3</sup>
<b>BFDG15H</b>	1500	1.7	2000-2600	1000			
<b>BFDG18H</b>	1800	2.5	2800-3500	1400			
<b>BFDG20H</b>	2000	3.1	4000-5000	2000			
<b>BFDG22H</b>	2200	3.8	5000-6500	2600			
<b>BFDG25H</b>	2500	4.9	7000-8000	3200			
<b>BFDG28H</b>	2800	6.1	7500-9000	3600			
<b>BFDG30H</b>	3000	7	8000-9500	3800			
<b>BFDG35H</b>	3500	9.6	8500-10000	4000			
<b>BFDG40H</b>	4000	12.5	9000-12000	4200			

Emission standards:



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