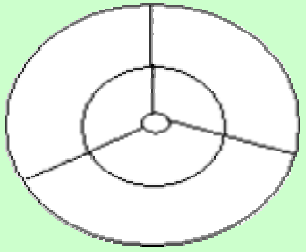
24" Diameter Fire Rings - Hole to Pipe Ratios & BTU Ratings

Hole DIA	0.055
ID PIPE DIA	0.5
No. Holes	25

Area of Hole	0.002375829
Total Area of Holes	0.059395736
Pipe Section Area	0.196349541
Ratio (? : 1)	3.305785124

Steel Tubing .625" OD Dia



Gas	Gas Constant, #f Ft/(#m R)	STD density, #m/cu ft
Methane	96.21	0.0419

Orifice constant, estimated	Inlet Pressure, inches of H2O	Temp, F	Mass flow, #m/sec	Estimated Heat Flux, BTU/sec	Estimated Heat Flux, BTU/min	Estimated Heat Flux, BTU/hr
0.5	1.00	70	0.0007	16.82	1,009	60,564
0.5	2.00	70	0.0009	23.79	1,428	85,651
0.5	3.00	70	0.0012	29.14	1,748	104,900
0.5	3.00	70	0.0012	29.14	1,748	104,900

Gas	Gas Constant, #f Ft/(#m R)	STD density, #m/cu ft
Propane	35.04	0.1140

Orifice constant, estimated	Inlet Pressure, inches of H2O	Temp, F	Mass flow, #m/sec	Estimated Heat Flux, BTU/sec	Estimated Heat Flux, BTU/min	Estimated Heat Flux, BTU/hr
0.5	1.00	70	0.0011	10.25	615	36,885
0.5	2.00	70	0.0016	14.49	869	52,164
0.5	3.00	70	0.0019	17.75	1,065	63,887
0.5	4.00	70	0.0022	20.49	1,230	73,770