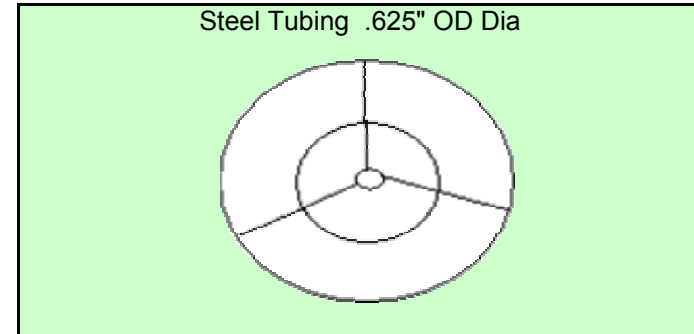


22" Diameter Fire Rings - Hole to Pipe Ratios & BTU Ratings

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Hole DIA</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">0.055</td> </tr> <tr> <td>ID PIPE DIA</td> <td></td> <td style="text-align: center;">0.5</td> </tr> <tr> <td>No. Holes</td> <td></td> <td style="text-align: center;">25</td> </tr> </table>	Hole DIA		0.055	ID PIPE DIA		0.5	No. Holes		25	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Area of Hole</td> <td style="width: 10%;"></td> <td style="width: 60%; text-align: center;">0.002375829</td> </tr> <tr> <td>Total Area of Holes</td> <td></td> <td style="text-align: center;">0.059395736</td> </tr> <tr> <td>Pipe Section Area</td> <td></td> <td style="text-align: center;">0.196349541</td> </tr> <tr> <td>Ratio (? : 1)</td> <td></td> <td style="text-align: center;">3.305785124</td> </tr> </table>	Area of Hole		0.002375829	Total Area of Holes		0.059395736	Pipe Section Area		0.196349541	Ratio (? : 1)		3.305785124
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Gas	Gas Constant, #f Ft/(#m R)	STD density, #m/cu ft	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
Methane	96.21	0.0419	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
Propane	35.04	0.1140	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