



ALTITUDE SUMMARY
PUBLICATION DATA FOR POWERMITE® GAS BOOSTERS

NATURAL GAS

Altitude: ft. above sea level	0 – 2000	2001-3000	3001-4000	4001-5000	5001-6000	6001-7000	7001-8000	8001-8500	8501-9500	9501-10500
PMG-60 Approved Input Rate: ①	58000	56154	54308	52462	50615	48769	46923	46000	44160	42320
Suggested Orifice Size: ②	#55DMS				#56DMS					
GPH Capacity Derate: ③	1	0.97	0.94	0.90	0.87	0.84	0.81	0.79	0.76	0.73
PMG-100 Approved Input Rate: ①	105000	103363	101726	100089	98452	96815	95178	94360	90585	86811
Suggested Orifice Size: ②	#34DMS									
GPH Capacity Derate: ③	1	0.98	0.97	0.95	0.94	0.92	0.91	0.90	0.86	0.83
PMG-200 Approved Input Rate: ①	195000	171600	163800	156000	148200	140400	132600	128700	123552	118404
Suggested Orifice Size: ②	#35 DMS	#36DMS		#37DMS		#38DMS	#39DMS	#40DMS	#41DMS	#42DMS
GPH Capacity Derate: ③	1	0.88	0.84	0.80	0.76	0.72	0.68	0.66	0.63	0.61

Notes:

- ① This is the maximum allowable btu rate certified by AGA. These are to be verified by the qualified gas installer on site. *Check Heat Value with local Gas Utility.*
- ② The first orifice size is the factory built unit.
The next sizes are shown at the altitudes where a change is required to allow pressure adjustments to the approved input rates.
- ③ This is a derate multiplier to use when sizing a gas booster for a given application.
Take this value and multiply it by the GPH found on the Hatco sizing chart to insure it will provide the capacity you need.
You can also use this value by dividing it into your capacity needs and take the resulting *adjusted GPH* to the sizing chart to select a gas booster.



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LIQUID PROPANE GAS

<i>Altitude: ft. above sea level</i>	0 - 2000	2001-3000	3001-4000	4001-5000	5001-6000	6001-7000	7001-8000	8001-8500	8501-9500	9501-10500
PMG-60 LPG Approved Input Rate: ①	58000	57154	56308	55461	54615	53769	52923	52500	50400	48300
Suggested Orifice Size: ② GPH Capacity Derate: ③	#68DMS 1	0.99	0.97	0.96	0.94	0.93	0.91	0.91	0.87	0.83
PMG-100 LPG Approved Input Rate: ①	105000	102937	100874	98810	96747	94684	92621	91589	87925	84262
Suggested Orifice Size: ② GPH Capacity Derate: ③	#50DMS 1	0.98	0.96	0.94	0.92	0.90	0.88	0.87	0.84	0.80
PMG-200 LPG Approved Input Rate: ①	195000	171600	163800	156000	148200	140400	132600	128700	123552	118404
Suggested Orifice Size: ② GPH Capacity Derate: ③	#50 DMS 1	#51DMS 0.88	0.84	0.80	0.76	#52DMS 0.72	0.68	0.66	#53DMS 0.63	0.61

- Notes:**
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 - ② The first orifice size is the factory built unit.
The next sizes are shown at the altitudes where a change is required to allow pressure adjustments to the approved input rates.
 - ③ This is a derate multiplier to use when sizing a gas booster for a given application.
Take this value and multiply it by the GPH found on the Hatco sizing chart to insure it will provide the capacity you need.
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