

Harwood Engineering Company, Inc.  
Datasheet - Laboratory Gas Booster

Discharge, Standard Cubic Feet per Stroke @ Second Stage, Full Pressure			
Gas	Inlet Pressure	Outlet Pressure	STD FT <sup>3</sup> per Stroke
Helium	50,000 PSI	200,000 PSI	0.855
Argon	50,000 PSI	150,000 PSI	0.547
Nitrogen	50,000 PSI	200,000 PSI	0.408

Note above that Argon is limited to 150,000 PSI in this calculation.

Note below that each cubic inch of volume at the specified pressure contains about the following standard cubic feet of gas at room temperature (20°C)

Gas	Outlet Pressure	STD FT <sup>3</sup> per Stroke
Helium	200,000 PSI	1.35
Argon	150,000 PSI	0.663
Nitrogen	200,000 PSI	0.492

Harwood makes gas boosters for larger applications as well. Please contact Harwood for more information.