

## EPA PROTOCOL GUIDELINE AND AVAILABILITY

Components	Balance Gas	EPA Allowance	GCG Capabilities	Binary CGA	Available Cylinder Sizes*
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NON-REACTANT COMPONENTS					
Carbon Dioxide	Nitrogen	5ppm – 20%	100ppm – 20%	580	AL30 AL150 AL50 AL265 AL80 K200 AL100 T300
	Air	360 – 420 ppm	360 – 420ppm	590	AL30 AL150 AL50 AL265 AL80 K200 AL100 T300
Carbon Monoxide	Nitrogen	1ppm – 15%	5ppm – 12.9%	350	AL30 AL100 AL50 AL150 AL80 AL265 <i>K200 and T300 if CO &gt; 500ppm</i>
	Air	0.5ppm – 10%	5ppm – 10%	590	AL30 AL100 AL50 AL150 AL80 AL265 <i>K200 and T300 if CO &gt; 500ppm</i>
Methane	Nitrogen	0.5ppm – 10%	50ppm – 4%	350	AL30 AL150 AL50 AL265 AL80 K200 AL100 T300
	Air	1 – 1000ppm	2.5 – 1000ppm	590	AL30 AL150 AL50 AL265 AL80 K200 AL100 T300
Oxygen	Nitrogen	10ppm – 25%	0.4 – 25%	O2 < 5% 580 O2 ≥ 5% 590	AL30 AL100 AL50 AL150 AL80 AL265 <i>K200 and T300 if O2 &gt; 500ppm</i>
Propane	Nitrogen	5 ppb – 2%	10ppm – 2%	350	AL30 AL150 AL50 AL265 AL80 K200 AL100 T300
	Air	0.1 – 500ppm	3 – 500ppm	590	AL30 AL150 AL50 AL265 AL80 K200 AL100 T300

REACTIVE COMPONENTS					
Hydrogen Sulfide	Nitrogen	1 – 1000ppm	10 – 1000ppm	330	AL30 AL100 AL50 AL150 AL80 AL265
Nitric Oxide	Nitrogen	0.5ppm – 1%	2 – 5000ppm (GI to 2880ppm)	660	AL30 AL100 AL50 AL150 AL80 AL265
Nitrogen Dioxide	Air	3ppm – 1%	10 – 500ppm	660	AL30 AL100 AL50 AL150 AL80 AL265
Sulfur Dioxide	Nitrogen	1ppm – 1%	5 – 3350ppm	660	AL30 AL100 AL50 AL150 AL80 AL265

\*Availability varies