

## Apex Gas Library

Inert Gases	Bioreactor Gas Mixes	Breathing Gases
Acetylene	• 5% CH <sub>4</sub> 95% CO <sub>2</sub>	EAN-32
• Air	• 10% CH <sub>4</sub> 90% CO <sub>2</sub>	• EAN-36
• Argon	• 15% CH <sub>4</sub> 85% CO <sub>2</sub>	• EAN-40
• i-Butane	• 20% CH <sub>4</sub> 80% CO <sub>2</sub>	• EA-40
• n-Butane	• 25% CH <sub>4</sub> 75% CO <sub>2</sub>	• EA-60
• Carbon dioxide	• 30% CH <sub>4</sub> 70% CO <sub>2</sub>	• EA-80
• Carbon monoxide	• 35% CH <sub>4</sub> 65% CO <sub>2</sub>	• Heliox-20
• Deuterium	• 40% CH <sub>4</sub> 60% CO <sub>2</sub>	• Heliox-21
• Ethane	• 45% CH <sub>4</sub> 55% CO <sub>2</sub>	• Heliox-30
• Ethylene (Ethene)	• 50% CH <sub>4</sub> 50% CO <sub>2</sub>	• Heliox-40
• Helium	• 55% CH <sub>4</sub> 45% CO <sub>2</sub>	• Heliox-50
• Hydrogen	• 60% CH <sub>4</sub> 40% CO <sub>2</sub>	• Heliox-60
• Krypton	• 65% CH <sub>4</sub> 35% CO <sub>2</sub>	• Heliox-80
• Methane	• 70% CH <sub>4</sub> 30% CO <sub>2</sub>	• Heliox-99
• Neon	• 75% CH <sub>4</sub> 25% CO <sub>2</sub>	• Metabolic Exhalant
• Nitrogen	• 80% CH <sub>4</sub> 20% CO <sub>2</sub>	
• Nitrous Oxide	• 85% CH <sub>4</sub> 15% CO <sub>2</sub>	
• Oxygen	• 90% CH <sub>4</sub> 10% CO <sub>2</sub>	
• Propane	• 95% CH <sub>4</sub> 5% CO <sub>2</sub>	
• Sulfur Hexafluoride		
• Xenon		

## Fuel Gases

Coal Gas 50% H<sub>2</sub>+35% CH<sub>4</sub>+10% CO+5% C<sub>2</sub>H<sub>4</sub>

- Endothermic Gas 75% H<sub>2</sub>+25% N<sub>2</sub>
- HHO 66.67% H<sub>2</sub>+33.33% O<sub>2</sub>
- LPG HD-5 96.1% C<sub>3</sub>H<sub>8</sub>+1.5% C<sub>2</sub>H<sub>6</sub>+0.4% C<sub>3</sub>H<sub>6</sub>+1.9% n-C<sub>4</sub>H<sub>10</sub>
- LPG HD-10 85% C<sub>3</sub>H<sub>8</sub>+10% C<sub>3</sub>H<sub>6</sub>+ 5% n-C<sub>4</sub>H<sub>10</sub>
- Nat Gas 93% CH<sub>4</sub>+3% C<sub>2</sub>H<sub>6</sub>+1% C<sub>3</sub>H<sub>8</sub>+2% N<sub>2</sub>+1% CO<sub>2</sub>
- Nat Gas 95% CH<sub>4</sub>+3% C<sub>2</sub>H<sub>6</sub>+1% N<sub>2</sub>+ 1% CO<sub>2</sub>
- Nat Gas 95.2% CH<sub>4</sub>+2.5% C<sub>2</sub>H<sub>6</sub>+0.2% C<sub>3</sub>H<sub>8</sub>+0.1% C<sub>4</sub>H<sub>10</sub>+1.3% N<sub>2</sub>+0.7% CO<sub>2</sub>
- Syn Gas 40% H<sub>2</sub>+29% CO+20% CO<sub>2</sub>+11% CH<sub>4</sub>
- Syn Gas 64% H<sub>2</sub>+28% CO+1% CO<sub>2</sub>+7% CH<sub>4</sub>
- Syn Gas 70% H<sub>2</sub>+4% CO+25% CO<sub>2</sub>+1% CH<sub>4</sub>
- Syn Gas 83% H<sub>2</sub>+14% CO+3% CH<sub>4</sub>

Refrigerants	Welding Gases	Laser Gas Mixtures
• R-11	C-2	• 4.5% CO <sub>2</sub> +13.5% N <sub>2</sub> +82% He
• R-14	• C-8	• 6% CO <sub>2</sub> +14% N <sub>2</sub> +80% He
• R-22	• C-10	• 7% CO <sub>2</sub> +14% N <sub>2</sub> +79% He
• R-23	• C-15	• 9% CO <sub>2</sub> +15% N <sub>2</sub> +76% He
• R-32	• C-20	• 9.4% CO <sub>2</sub> +19.25% N <sub>2</sub> +71.35% He
• R-115	• C-25	• 9% Ne+91% He
• R-116	• C-50	
• R-124	• C-75	
• R-125	• He-25	<b>Stack/Flue Gas</b>
• R-134A	• He-50	2.5% O <sub>2</sub> +10.8% CO <sub>2</sub> +85.7% N <sub>2</sub> +1% Ar
• R-142B	• He-75	• 2.9% O <sub>2</sub> +14% CO <sub>2</sub> +82.1% N <sub>2</sub> +1% Ar
• R-143A	• He-90	• 3.7% O <sub>2</sub> +15% CO <sub>2</sub> +80.3% N <sub>2</sub> +1% Ar
• R-152A	• A1025	• 7% O <sub>2</sub> +12% CO <sub>2</sub> +80% N <sub>2</sub> +1% Ar
• RC-318	• Stargon CS	• 10% O <sub>2</sub> +9.5% CO <sub>2</sub> +79.5% N <sub>2</sub> +1% Ar
• R-404A		• 13% O <sub>2</sub> +7% CO <sub>2</sub> +79% N <sub>2</sub> +1% Ar
• R-407C		
• R-410A		
• R-507A		