



Deuterium

| Equipment Recommendations | Model No. | Page No. |
|---|-------------------------|----------|
| Single Stage Regulator | Series 3530-CGA* | 313 |
| Mini High Purity Regulator | Series 3550-180 | 314 |
| Low Dead Volume Regulator (for Concentrations < 50ppm) | Series 3590-CGA* | 315 |

| Balance Gas | Concentration Range | Matheson Mixtures Grades | | | | | | Cylinder Size | CGA* | Contents | | Pressure | | Approximate Ship Weight | |
|-------------|---------------------|--------------------------|---|----|---|---|---|---------------|------|---------------------|---------------------|----------|--------|-------------------------|----|
| | | MR | P | C+ | C | U | G | | | US | Metric | psig | kPa | lb | kg |
| Air | 500 ppm - 2 % | | • | • | • | • | • | 1A | 590 | 215 ft ³ | 6.09 m ³ | 2,000 | 13,790 | 135 | 61 |
| | | | | | | | | 2 | 590 | 84 ft ³ | 2.38 m ³ | 2,000 | 13,790 | 74 | 34 |
| | | | | | | | | 3 | 590 | 36 ft ³ | 1.01 m ³ | 2,000 | 13,790 | 39 | 18 |
| Argon | 500 ppm - 49 % | | • | • | • | • | • | 1A | 350 | 225 ft ³ | 6.37 m ³ | 2,000 | 13,790 | 135 | 61 |
| | | | | | | | | 2 | 350 | 88 ft ³ | 2.49 m ³ | 2,000 | 13,790 | 74 | 34 |
| | | | | | | | | 3 | 350 | 38 ft ³ | 1.07 m ³ | 2,000 | 13,790 | 39 | 18 |
| Nitrogen | 500 ppm - 49 % | | • | • | • | • | • | 1A | 350 | 213 ft ³ | 6.03 m ³ | 2,000 | 13,790 | 135 | 61 |
| | | | | | | | | 2 | 350 | 83 ft ³ | 2.35 m ³ | 2,000 | 13,790 | 74 | 34 |
| | | | | | | | | 3 | 350 | 35 ft ³ | 0.99 m ³ | 2,000 | 13,790 | 39 | 18 |

Key for Matheson Mixtures Grades:

MR = Matheson Reference Standard **C+** = Certified Plus Standard **U** = Unanalyzed Standard
P = Primary Standard **C** = Certified Standard **G** = Gravimetric Standard

For more information on Matheson Mixture Grades, please refer to pages 66 - 68.