

Oxygen

A colorless, odorless, tasteless, highly oxidizing gas.

| Technical Information: | |
|------------------------|--|
| Chemical Symbol: | O ₂ |
| Molecular Weight: | 32 |
| Specific Volume | 12.1 ft ³ /lb (0.76 m ³ /kg) |
| CAS Registry Number: | 7782-44-7 |

| Shipping Information: | |
|-----------------------|----------------------------|
| DOT Proper Name: | Oxygen, Compressed |
| Hazard Class: | 2.2 |
| I.D. Number: | UN 1072 |
| Labels: | Nonflammable Gas, Oxidizer |

| Grade | Part No. | Purity | Impurity | Specification | Equipment Recommended |
|---|-----------|---------|---|---|----------------------------|
| PurityPlus 5.0 (Research) | OXY-50-XX | 99.999% | Argon Moisture Nitrogen Total Hydrocarbons CO/CO ₂ | < 5 ppm < 2 ppm < 5 ppm < 1 ppm < 1 ppm | 300 series brass regulator |
| PurityPlus 4.3 (Ultra High Purity) | OXY-43-XX | 99.993% | Argon Moisture Nitrogen Total Hydrocarbons | < 40 ppm < 3 ppm < 10 ppm < 0.5 ppm | 300 series brass regulator |
| PurityPlus Zero 2.8 | OXY-28-XX | 99.8% | Total Hydrocarbons | < 0.5 ppm | 300 series regulator |
| PurityPlus Extra Dry 2.6 | OXY-26-XX | 99.6% | Moisture | < 10 ppm | 200 series regulator |

XX - Complete the part number with the desired cylinder size listed below. (ie. OXY-50-300)

| Standard Cylinder Sizes * | Contents ft ³ /m ³ | Cylinder Pressure PSIG | CGA Valve Connection |
|---------------------------|--|------------------------|----------------------|
| 300 | 337 | 2640 | 540 |
| 200 | 249 | 2200 | 540 |
| 80 | 83 | 2200 | 540 |

*Nonstandard cylinder sizes available upon request