

Argon

A chemically inert, colorless, odorless, nontoxic gas.

| Technical Information: | |
|------------------------|--|
| Chemical Symbol: | Ar |
| Molecular Weight: | 39.948 |
| Specific Volume | 9.7 ft ³ /lb (0.606 m ³ /kg) |
| CAS Registry Number: | 7440-37-1 |

| Shipping Information: | |
|-----------------------|-------------------|
| DOT Proper Name: | Argon, Compressed |
| Hazard Class: | 2.2 |
| I.D. Number: | UN 1006 |
| Labels: | Nonflammable Gas |

| Grade | Part No. | Purity | Impurity | Specification | Equipment Recommended |
|---|-----------|----------|--|--|---|
| PurityPlus 6.0 (Research) | ARG-60-XX | 99.9999% | Oxygen Moisture Nitrogen Total Hydrocarbons CO/CO ₂ | < 0.15 ppm < 0.15 ppm < 0.40 ppm < 0.10 ppm < 0.10 ppm | 400 series stainless steel regulator see page 4.16 |
| PurityPlus N₂ Free 5.0 | ARG-NF-XX | 99.999% | Oxygen Moisture Nitrogen Total Hydrocarbons | < 2 ppm < 2 ppm < 5 ppm < 0.5 ppm | 300 series brass regulator see page 4.12 |
| PurityPlus 5.0 (Ultra High Purity) | ARG-50-XX | 99.999% | Oxygen Moisture Total Hydrocarbons | < 2 ppm < 2 ppm < 0.5 ppm | 300 series brass regulator see page 4.12 |
| PurityPlus 4.8 (Prepurified) | ARG-48-XX | 99.998% | Oxygen Moisture Total Hydrocarbons | < 5 ppm < 5 ppm < 2 ppm | 300 series brass regulator see page 4.12 |
| PurityPlus Zero 4.8 | ARG-ZE-XX | 99.998% | Total Hydrocarbons | < 0.5 ppm | 300 series brass regulator see page 4.12 |
| PurityPlus 4.8 (6000 PSIG) | ARG-6K | 99.998% | Oxygen Moisture | < 10 ppm < 5 ppm | 492 series ultra high pressure regulator see page 4.44 |

XX - Complete the part number with the desired cylinder size listed below. (ie. ARG-60-300)

| Standard Cylinder Sizes * | Contents ft ³ /m ³ | Cylinder Pressure PSIG | CGA Valve Connection |
|---------------------------|--|------------------------|----------------------|
| 300 | 337 / 9.37 | 2640 | 580 |
| 200 | 250 / 6.79 | 2200 | 580 |
| 80 | 83 / 2.3 | 2200 | 580 |
| 6K | 575 / 15.94 | 6000 | 677 |

*Nonstandard cylinder sizes available upon request