

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
6.0 (Research)	CDI-50-XXX	99.9999%	Oxygen Moisture Nitrogen Total Hydrocarbons CO/CO ₂	< 0.2 ppm < 0.2 ppm < 0.40 ppm < 0.10 ppm < 0.10 ppm	400 series stainless steel regulator
N₂ Free 5.5	ARG-55-XX	99.9995%	Oxygen Moisture Nitrogen Total Hydrocarbons	< 1 ppm < 1 ppm < 3 ppm < 0.1 ppm	300 series brass regulator
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
5.0 (Ultra High Purity)	ARG-50-XXX	99.999%	Oxygen Moisture Total Hydrocarbons	< 2 ppm < 2 ppm < 0.5 ppm	300 series brass regulator
4.8 (Prepurified)	ARG-48-XXX	99.998%	Oxygen Moisture Total Hydrocarbons	< 5 ppm < 5 ppm < 2 ppm	300 series brass regulator
Zero 4.8	ARG-ZE-XXX	99.998%	Total Hydrocarbons	< 0.5 ppm	300 series brass regulator

XXX - 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

*Nonstandard cylinder sizes available upon request