

A colorless, odorless, flammable, stable isotope of hydrogen. Deuterium

Technical Information:	
Chemical Symbol:	D ₂
Molecular Weight:	4.03
Specific Volume	95.9 ft ³ /lb (5.95 m ³ /kg)
CAS Registry Number:	7782-39-0

Shipping Information:	
DOT Proper Name:	Deuterium
Hazard Class:	2.1
I.D. Number:	UN 1957
Labels:	Flammable Gas

Grade	Part No.	Purity	Impurity	Specification	Equipment Recommended
PurityPlus 5.0	DEU-50-XX	99.999%	Hydrogen Oxygen Nitrogen Moisture Deuterium Hydride Total Hydrocarbons Carbon Monoxide Carbon Dioxide	< 100 ppm < 1 ppm < 1 ppm < 1 ppm < 3000 ppm < 1 ppm < 1 ppm < 1 ppm	300 series brass regulator see page 4.12
PurityPlus 4.0	DEU-40-XX	> 99.99%	Total Impurities	< 100 ppm	300 series brass regulator see page 4.12
PurityPlus 2.7	DEU-27-XX	> 99.7%	Total Impurities	< 0.3%	200 series regulator see page 4.8

XX - Complete the part number with the desired cylinder size listed below. (ie. DEU-50-200)

Standard Cylinder Sizes *	Contents liters	Cylinder Pressure	CGA Valve Connection
200	5000	1760	350
80	1000	890	350
30	500	1090	350

*Nonstandard cylinder sizes available upon request