

Argon

Cryogenic Liquids

Ar



Transportation Information

UN Number: 1951



Shipping Name	Argon, Refrigerated Liquid	Argon, Refrigerated Liquid	Argon, Refrigerated Liquid
Hazard Class	2.2	2.2	2.2
Label	Nonflammable Gas	Nonflammable Gas	Nonflammable Gas

(M)SDS Reference

P-4564

CAS Number

7440 - 37 - 1 (R)

General Description

Colorless, odorless, nonflammable, cryogenic liquid.

Product/Grade	Purity	Part Number	Cylinder	O ₂	H ₂ O	THC	N ₂	CO ₂
UHP, 5.0	99.999%	AR 5.0LC	180, 230	2	3	0.5	–	–
ICP, 4.8	99.998%	AR 4.8IC	180, 230	3	2	1	10	1
High Purity, 4.8	99.998%	AR 4.8LC	180, 230	4	3	–	–	–

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA	Pressure psig (bar)	Volume ft ³ (m ³)	Gross Weight lb (kg)
230	Portable Liquid Unit	53 x 26 (134.6 x 66)	580, 295	varies	6080 (172)	928 (421)
180	Portable Liquid Unit	64 x 20 (162 x 50.8)	580, 295	varies	4960 (140)	773 (351)

Equipment Recommendations

4083, 4085, 4084 and 4086 series regulators.
Final SGE recommendation based on withdrawal rate.



4083 and 4085 Series – Critical Purity High Flow Regulators for Non-Corrosive Service (see page E•264)



Contact your Praxair representative on the availability of other container sizes, including Microbulk (see pages A•16 - A•18).

See Sections F and G for safety and technical information.