

Argon

Transportation Information

UN Number: 1006



Formula

Ar

MSDS Reference

P-4563

CAS Number

7440 - 37 - 1

General Description

Colorless, odorless, nonflammable inert gas.

Shipping Name	United States of America	Canada	Mexico
Argon, Compressed	Argon, Compressed	Argon, Compressed	Argon, Compressed
Hazard Class	2.2	2.2	2.2
Label	Nonflammable Gas	Nonflammable Gas	Nonflammable Gas

Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content ft ³ /m ³	Regulator Recommendations See Section F, Page 1
AR 6.0RS	6.0	99.9999 %	T	335/9.29	7000 Series
	Research	O ₂ < 0.2 ppm H ₂ O < 1 ppm N ₂ < 1 ppm THC < 0.1ppm CO ₂ < 0.1 ppm CO < 0.1 ppm H ₂ < 1 ppm	K	248/6.88 272/7.54	4000 Series
AR 5.5TG	5.5	99.9995 %	T	335/9.29	4000 Series
	Trace	O ₂ < 0.5 ppm	K	248/6.88	3000 Series
	Analytical	H ₂ O < 0.5 ppm CO < 0.1 ppm CO ₂ < 0.1 ppm THC < 0.5 ppm N ₂ < 2 ppm H ₂ < 1 ppm	AT	272/7.54	
AR 5.0UH	5.0	99.999 %	T	335/9.29	4000 Series
	Ultra	O ₂ < 1 ppm	K	248/6.88	3000 Series
	High Purity	H ₂ O < 3 ppm THC < 0.5 ppm N ₂ < 4 ppm	Q	83/2.30	
AR 4.8IC	4.8	99.998 %	T	335/9.29	3000 Series:
	Inductivity	O ₂ < 3 ppm	K	248/6.88	2000 Series:
	Coupled Plasma	H ₂ O < 2 ppm CO ₂ < 1 ppm THC < 1 ppm N ₂ < 10 ppm H ₂ < 1 ppm			
AR 4.8	4.8	99.998 %	6K*	575/15.94	4092 Series: Special Purpose
		O ₂ < 5 ppm	4K	495/13.23	4092 Series: Special Purpose
		H ₂ O < 5 ppm	3K	385/10.68	4092 Series: Special Purpose
			T	335/9.29	3000 Series:
			K	248/6.88	2000 Series:

* Suitable for cryoablation applications.

Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content ft ³ /m ³	Regulator Recommendations See Section F, Page 1
AR 4.8Z	4.8 Zero	99.998 % THC < 0.5 ppm	T	335/9.29	3000 Series
			K	248/6.88	2000 Series
			Q	83/2.30	
AR 4.8OF	4.8 O ₂ Free	99.998 % O ₂ < 0.5 ppm	T	335/9.29	3000 Series
			K	248/6.88	2000 Series
			Q	83/2.30	
AR 6.0SP	6.0 Semiconductor Process Gas	99.9999 % O ₂ < 0.2 ppm H ₂ O < 0.2 ppm CO ₂ < 0.1 ppm CO < 0.1 ppm THC < 0.1 ppm N ₂ < 0.5 ppm H ₂ < 0.1 ppm	AS	153/4.24	7000 Series: Semiconductor
			AT	272/7.54	4000 Series
AR 5.5SP	5.5 Semiconductor Process Gas	99.9995 % O ₂ < 0.5 ppm H ₂ O < 0.5 ppm CO ₂ < 0.5 ppm CO < 0.5 ppm THC < 0.5 ppm N ₂ < 2 ppm H ₂ < 0.5 ppm	AT	272/7.54	7000 Series: Semiconductor 4000 Series
AR 5.0SP	5.0 Semiconductor Process Gas	99.999 % O ₂ < 2 ppm H ₂ O < 3 ppm CO ₂ < 1 ppm CO < 1 ppm THC < 1 ppm N ₂ < 6 ppm	K	248/6.88	7000 Series: Semiconductor
			AS	153/4.24	4000 Series 3000 Series

When ordering, please add the desired cylinder style to the end of the above part number.

Add "D" for DISS connection. (AR 6.0SP-**ATD**)

See Sections G and H for safety and technical information.

Cylinder Information

Cylinder Style	Connection CGA/DISS	Pressure psig/bar	Gross Weight lb/kg
AT	580/ 718	2200/154	120/54
AS	580/ 718	2000/139	66/30
6K	677	6000/460	362/164
4K	680	4500/310	198/90
3K	680	3500/268	228/103
T	580	2640/183	177/80
K	580	2200/154	158/72
Q	580	2200/154	74/34

Products are also available in larger quantities, such as 6-, 12- and 16-pack cylinder clusters as well as dewars, microbulk, tube trailers and bulk.

See page C64 for cryogenic liquid argon.

Praxair's extensive distribution network ensures on-time delivery.