

LIGHTING PURE GASES

Description Linde is the primary gas manufacturer and supplier of rare gases as well as halogen and hydride gas mixtures to light bulb manufacturers worldwide.

Linde's expertise in the purification and analysis of each gas component within the lighting gas mixture assures the light bulb manufacturer of the highest quality gas being used for each and every light bulb.

The lighting formulas innovated by Linde guard against impurities that are harmful to light bulbs. These harmful impurities include:

- Carbon Monoxide
- Hydrogen
- Freons
- Moisture
- Hydrocarbons
- Oxygen

Below are the pure gases that Linde manufactures and supplies worldwide for the lighting industry. If you have an inquiry regarding any lighting pure gas component, please contact your local Linde facility.

Lighting Pure Gases

Gas	Purity	Cylinder Size	Internal Volume Water Liters	Volume Cu.Ft./Liters	Pressure Psig/Bar	CGA
Argon	99.9995%	1	49	336 / 9500	2640 / 183	580
	to	2	44	290 / 8200	2490 / 173	
	99.999%	3	16	88 / 2500	2200 / 153	
Deuterium	99.7+%	2	44	— / 5000	1750 / 122	350
	to	3	16	— / 2100	2000 / 139	
	99.5%	4	8	— / 1000	1865 / 130	
		5	3	— / 400	2000 / 139	
Helium	99.9999%	1	49	290 / 8200	2640 / 183	580
	to	2	44	257 / 7300	2490 / 173	
	99.999%	3	16	73 / 2100	2200 / 153	
Hydrogen	99.9999%	1	49	261 / 7400	2400 / 167	350
	to	2	44	219 / 6200	2265 / 157	
	99.995%	3	16	73 / 2100	2000 / 139	
Krypton	99.999%	1	49	— / 10000	2300 / 160	580
	to	2	44	— / 5000	1350 / 94	
	99.995%	3	16	— / 2000	1500 / 104	
		4	8	— / 1000	1450 / 101	
Neon	99.999%	1	49	— / 7500	2400 / 167	580
	to	2	44	— / 5000	1760 / 122	
	99.996%	3	16	— / 2000	1925 / 134	
		4	8	— / 1000	2000 / 139	
Nitrogen	99.9995%	1	49	304 / 8600	2640 / 183	580
	to	2	44	253 / 7150	2490 / 173	
	99.999%	3	16	85 / 2400	2200 / 153	
		4	8	43 / 1200	2200 / 153	
Xenon	99.9995%	2	44	— / 5000	900 / 63	580
	to	3	16	— / 2000	900 / 63	
	99.995%	4	8	— / 1000	900 / 63	
		5	3	— / 500	900 / 63	

Note: Linde can provide other cylinder sizes, volumes and cylinder outlet connections including DIN, JIS, and BS cylinder valves (country dependent).

Linde Electronics and Specialty Gases

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