

GAS PRODUCTS FOR SPECIAL APPLICATIONS

LIGHTING GASES

Hong Kong Specialty Gases is one of the world's largest importer & exporter of lighting rare gases and lighting gas mixtures. In many years, we supply halogen, hydride and rare gas mixtures for incandescent, fluorescent and high intensity discharge lamps with different compositions. Our expertise in the purification and analysis assures the light bulb manufacturers of the highest quality gas for each and every light bulb. It is known that harmful impurities are deleterious to the light bulb's starting voltage, lumens, life time, color or the spectral line.

Typical applications include Automobile headlights, Fluorescent lamps, Germicidal lamps, Halogen lamps, HID lamps, Incandescent lamps, Medical Specialty lamps, Metal Halide lamps, Miniature lamps, Photographic and Projection bulbs, Stroboscopes, Subminiature lamps, UV lamps and Xenon Flash tubes.

LIGHTING GAS MIXTURES

Typical Lighting Gas Mixtures include:

Bromodichloromethane (CHCl ₂ Br) mixes	Krypton / Argon mixes	Neon / Argon mixes	Xenon / Argon mixes
Dibromomethane (CH ₂ Br ₂) mixes	Krypton / Helium mixes	Neon / Helium mixes	Xenon / Helium mixes
Hydrogen bromide (HBr) mixes	Krypton / Neon mixes	Neon / Nitrogen mixes	Xenon / Neon mixes
Methylbromide (CH ₃ Br) mixes	Krypton / Nitrogen mixes	Neon / Halogen mixes	Xenon / Nitrogen mixes
Methyl iodide (CH ₃ I) mixes	Krypton / Halogen mixes	Neon / Hydride mixes	Xenon / Halogen mixes
Hydride mixes	Krypton / Hydride mixes		Xenon / Hydride mixes

We supply over thousand (1000) different lighting gas mixtures with various combinations of gas components and levels of concentrations. If you have any inquiry regarding any lighting gas mixture, please contact Hong Kong Specialty Gases for information.

LIGHTING PURE RARE GASES

GAS / PURITY	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
Argon (Ar) Purity: 99.9995% min.	049	7.1 m ³	2000	580
	016	2.3 m ³	2000	
Neon (Ne) Purity: 99.999% min.	044	6.0 m ³	2100	580
	016	2.0 m ³	1925	
Krypton (Kr) Purity: 99.999% min.	049	10.0 m ³	2300	580
	016	2.0 m ³	1500	
Xenon (Xe) Purity: 99.999% min.	016	2.0 m ³	900	580
	E01	200 L	900	

These pure rare gases are also used in window insulation and monochrome Plasma Display Panels (PDP's).

