

GASES FOR WINDOW INSULATION

Description Linde manufactures and supplies rare gases and rare gas mixtures to the worldwide window industry who incorporate these gases into their windows and doors to increase their insulation value.

Krypton, Krypton/Oxygen, Krypton/Argon, Xenon and Xenon/Krypton Gases and Gas Mixtures are currently being used as the insulating media in Insulated Glass Units (I.G.U.'s), Low "E" Glass, and windows that incorporate thin film technology to obtain increased "R" values.

Gases for Window Insulation

Gas	Purity	Cylinder Size	Internal Volume Water Liters	Volume Liters	Pressure Psig/Bar	CGA
Krypton	99.995%	1	49	10000	2300 / 160	580
		1	49	7500	1700 / 118	
		2	44	5000	1350 / 94	
		3	16	2000	1500 / 104	
Argon/Krypton Mixture	99.995%	1	49	7500	Pressures Vary Per Gas Mixture	580
		2	44	5000		
		3	16	2000		
10% Oxygen 90% Krypton	99.995%	1	49	7500	1650 / 115	590
		2	44	5000	1400 / 98	
		3	16	2000	1550 / 108	
10% Oxygen 20% to 50% Krypton Balance Argon	99.995%	1	49	7500	Pressures Vary Per Gas Mixture	590
		2	44	5000		
		3	16	2000		
Xenon	99.995%	3	16	5000	900 / 63	580
		4	8	2000	900 / 63	
		4	8	1000	900 / 63	
		5	3	500	900 / 63	
10% to 50% Xenon Balance Krypton	99.995%	1	49	10000	Pressures Vary Per Gas Mixture	580
		1	49	7500		
		2	44	5000		
		3	16	2000		

Note: 1. Linde can provide other cylinder sizes, volumes and cylinder valves including DIN, JIS, and BS cylinder valves (country dependent).
2. Lower purities also available.

Linde Electronics and Specialty Gases

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