

GAS PRODUCTS FOR SPECIAL APPLICATIONS

GAS MIXTURES FOR WINDOW INSULATION

Rare gases and rare gas mixtures are widely used in worldwide window industry. These gases incorporated into the glass windows and doors to increase their insulation value.

COMPONENTS	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
25% Argon Balance Krypton	049	5.7 m ³	1680	580
	044	4.3 m ³	1420	
	016	1.7 m ³	1570	
10% Oxygen Balance Krypton	049	5.7 m ³	1650	590
	044	4.3 m ³	1400	
	016	1.7 m ³	1550	
10% Oxygen, 20% to 50% Krypton Balance Argon	049 044 016	volume vary per gas mixture	pressures vary per gas mixture	590
10% to 50% Xenon Balance Krypton	049 044 016	volume vary per gas mixture	pressures vary per gas mixture	580

GAS MIXTURES FOR PLASMA DISPLAY PANELS

In monochrome Plasma Display Panels (PDP's), a rare gas mixture, usually with a neon component, can be used to create a red-orange luminescence. The creation of green, blue, yellow or red luminescence is achieved through various proprietary combinations of rare and inert gas components and their interacting phosphors.

COMPONENTS	CYLINDER SIZE	CONTENT	PRESSURE PSIG	CGA CONN.
0.5% to 15% Argon Balance Neon	044	5.0 m ³	1700	580
	016	2.0 m ³	1850	
1.0% to 15% Krypton Balance Neon	044	5.0 m ³	1500	580
	016	2.0 m ³	1850	
0.5% to 15% Xenon Balance Helium	044	5.0 m ³	1500	580
	016	2.0 m ³	1600	
0.5% to 15% Xenon Balance Neon	044	5.0 m ³	1500	580
	016	2.0 m ³	1600	