

Argon Neon Mixtures



Description

Argon Neon Mixtures are used in 193 nm lithography applications, usually in conjunction with a halogen gas mixture.

Major Components		
COMPONENTS	CONCENTRATION	RANGE
Argon	3.5%	3.4 - 3.6%
Xenon	10 ppm	8 - 12 ppm
Neon	Balance	

Maximum Impurities	
COMPONENT	CONCENTRATION (ppmv)
Carbon Dioxide (CO ₂)	<0.5
Carbon Monoxide (CO)	<0.5
Carbon Tetrafluoride (CF ₄)	<0.5
Helium (He)	<8.0
Moisture (H ₂ O)	<0.5
Nitrogen (N ₂)	<1.0
Oxygen (O ₂)	<0.5
THC (as Methane) (CH ₄)	<0.5

Cylinder Specifications*			Contents		Pressure	
Cylinder	Valve Outlet Options		Cubic Feet	Liters	PSIG	BAR
1	CGA 580	DISS 718	265	7500	2000	139
2	CGA 580	DISS 718	212	6000	2000	139
3	CGA 580	DISS 718	71	2000	1800	125

*Additional cylinder sizes and/or valve outlets are available.

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