



# Gas Mixtures – Products for Specialty Gas Applications

## Excimer Laser Gas Mixtures

### Fluorine Mixtures

#### Shipping Information

For the mixtures listed below the shipping classifications are dependent on the concentration.

#### Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1A	679	500	3450	135	61
2	679	500	3450	74	34
3	679	500	3450	39	18

\* Pressure varies with concentration. 1 - 10% Fluorine fill pressure is not to exceed 500 psi.

Fluorine Mixtures	Concentration	Product Code		Cylinder Size	Content		Equipment Recommendations	Model No.
		Certified	Unanalyzed		US	Metric		
Fluorine in Helium	1%	G2658479	G2658483	1A	54 ft <sup>3</sup>	1.52 m <sup>3</sup>	Single Stage Reg. Service Valve Cross Purge Assembly	3610A-679-S 55F-679 4775-679
	1%	G2658480	G2658484	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	1%	G2658481	G2658485	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		
	3%	G2658487	G2658490	1A	54 ft <sup>3</sup>	1.52 m <sup>3</sup>		
	3%	G2658488	G2658491	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	3%	G2658489	G2658492	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		
	5%	G2658230	G2658245	1A	54 ft <sup>3</sup>	1.52 m <sup>3</sup>		
	5%	G2658231	G2658246	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	5%	G2658493	G2658494	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		
	10%	G2658232	G2658247	1A	54 ft <sup>3</sup>	1.52 m <sup>3</sup>		
	10%	G2658497	G2658500	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	10%	G2658498	G2658501	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		
Fluorine in Nitrogen	1%	G2658503	G2658506	1A	55 ft <sup>3</sup>	1.56 m <sup>3</sup>	Single Stage Reg. Service Valve Cross Purge Assembly	3610A-679-S 55F-679 4775-679
	1%	G2658235	G2658250	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	1%	G2658504	G2658507	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		
	5%	G2658508	G2658510	1A	55 ft <sup>3</sup>	1.56 m <sup>3</sup>		
	5%	G2658509	G2658511	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	5%	G2658237	G2658252	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		
Fluorine in Krypton	5%	G2658240	G2658255	2	23 ft <sup>3</sup>	0.65 m <sup>3</sup>	Single Stage Reg. Service Valve Cross Purge Assembly	3610A-679-S 55F-679 4775-679
Fluorine in Neon	5%	G2658241	G2658256	1A	54 ft <sup>3</sup>	1.53 m <sup>3</sup>	Single Stage Reg. Service Valve Cross Purge Assembly	3610A-679-S 55F-679 4775-679
	5%	G2658150	G2658512	2	21 ft <sup>3</sup>	0.59 m <sup>3</sup>		
	5%	G2658514	G2658513	3	11 ft <sup>3</sup>	0.31 m <sup>3</sup>		

For your protection read the Fluorine MSDS Sheet before placing your order for this product. The data sheet is available at no charge from Matheson. Also available on [www.mathesongas.com](http://www.mathesongas.com).