

## Equipment Recommendations

Page #	Gas Mixture	Recommended Regulator	Delivery Pressure Range (psig)	Equipment Page Number			
M4	Ammonia in Air Ammonia in Argon Ammonia in Helium Ammonia in Nitrogen	<b>Two-Stage Regulator</b> Y12-C445 * 705	A = 0 - 30 B = 0 - 60 D = 0 - 100 F = 0 - 250	E28			
		<b>Single-Stage</b> Y11-C444 * 705		E27			
		<b>Cross Purge</b> Y99-CPA4705		E50			
		<b>Tee Purge</b> Y99-TP4C705		E51			
		* Insert Delivery Pressure					
M5	Argon in Helium Argon in Hydrogen Argon in Nitrogen Argon in Oxygen	<b>Two-Stage Regulator</b> Y12-C445 *	A = 0 - 30 B = 0 - 60 D = 0 - 100 F = 0 - 250 G = 0 - 500**	E28			
		<b>Single-Stage</b> Y11-C444 *		E27			
		<b>Cross Purge</b> Y99-CPA4CGA		E50			
		<b>Tee Purge</b> Y99-TP4CCGA		E51			
		* Insert Delivery Pressure Range Code and proper CGA Connection	** Single Stage Only				
M6	Benzene in Air Benzene in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245 * Y12-C445 *	A = 0 - 25, B = 0 - 50 A = 0 - 30, B = 0 - 60  A = 0 - 25, B = 0 - 50 A = 0 - 30, B = 0 - 60	E21 E28			
		<b>Single-Stage</b> Y11-N245 * Y11-C444 *		E20 E27			
				* Insert Delivery Pressure Range Code and proper CGA Connection			
M7	n-Butane in Air n-Butane in Helium n-Butane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50	E21 E12			
		<b>Single-Stage</b> Y11-N245* Y11-244		E20 E11			
				* Insert Delivery Pressure Range Code and proper CGA Connection			
M8-M9	Carbon Dioxide in Air Carbon Dioxide in Argon Carbon Dioxide in Helium Carbon Dioxide in Hydrogen Carbon Dioxide in Nitrogen Carbon Dioxide in Oxygen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12			
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11			
				* Insert Delivery Pressure Range Code and proper CGA Connection			
				* Only available for the N245 series			
M10-M11	Carbon Monoxide in Air Carbon Monoxide in Argon Carbon Monoxide in Helium Carbon Monoxide in Hydrogen Carbon Monoxide in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12			
		<b>Single-Stage</b> Y11-N245* Y11-244		E20 E11			
				* Insert Delivery Pressure Range Code and proper CGA Connection			
				* Only available for the N245 series			

## Equipment Recommendations

Page #	Gas Mixture	Recommended Regulator	Delivery Pressure Range (psig)	Equipment Page Number	
M12	Chlorine in Air	<b>Two-Stage Regulator</b> Y12-E444*	A = 0 - 30, B = 0 - 60, D = 0 - 100  C = 0 - 50, E = 0 - 200	E29	
		<b>Single-Stage</b> Y11-C334*		E49	
		<b>Cross Purge</b> Y99-CPA4*		E50	
		<b>Tee Purge</b> Y99-TP4C*		E51	
* Insert Delivery Pressure Range Code and proper CGA Connection					
M13	Ethane in Air Ethane in Helium Ethane in Hydrogen Ethane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 G = 0 - 500	E21 E12	
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11	
		* Insert Delivery Pressure Range Code and proper CGA Connection			
M14	Ethylene in Air Ethylene in Helium Ethylene in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12	
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11	
		* Insert Delivery Pressure Range Code and proper CGA Connection			
		* Only available for the N245 series			
M15	Ethylene Oxide in Air Ethylene Oxide in Helium Ethylene Oxide in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 *G = 0 - 500	E21 E12	
		<b>Single-Stage</b> Y11-N245* Y11-244		E20 E11	
		* Insert Delivery Pressure Range Code and proper CGA Connection			
		* Only available for the N245 series			
M16	Helium in Argon Helium in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12	
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11	
		* Insert Delivery Pressure Range Code and proper CGA Connection			
		* Only available for the N245 series			
M17	n-Hexane in Air n-Hexane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12	
		<b>Single-Stage</b> Y11-N245* Y11-244		E20 E11	
		* Insert Delivery Pressure Range Code and proper CGA Connection			
		* Only available for the N245 series			

## Equipment Recommendations

Page #	Gas Mixture	Recommended Regulator	Delivery Pressure Range (psig)	Equipment Page Number
M18	Hydrogen in Air Hydrogen in Argon Hydrogen in Helium Hydrogen in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244* <b>Single-Stage</b> Y11-N245* Y11-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12 E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M19	Hydrogen Chloride in Nitrogen	<b>Two-Stage Regulator</b> Y12-E444 * <b>Single-Stage</b> Y11-E444* Y11-C334* <b>Cross Purge</b> Y99-CPA4330 <b>Tee Purge</b> Y99-TP4C330	A = 0 - 30, B = 0 - 60, D = 0 - 100 A = 0 - 30, B = 0 - 60, C = 0 - 100, D = 0 - 150 C = 0 - 50, E = 0 - 200	E29 E29 E49 E50 E51
		* Insert Delivery Pressure Range Code and proper CGA Connection		
M20	Hydrogen Sulfide in Air Hydrogen Sulfide in Helium Hydrogen Sulfide in Hydrogen Hydrogen Sulfide in Methane Hydrogen Sulfide in Nitrogen	<b>Two-Stage Regulator</b> Y12-E444 * <b>Single-Stage</b> Y11-E444* <b>Cross Purge</b> Y99-CPA4330 <b>Tee Purge</b> Y99-TP4C330	A = 0 - 30, B = 0 - 60, D = 0 - 100 A = 0 - 30, B = 0 - 60, C = 0 - 100, D = 0 - 150	E29 E29 E50 E51
		* Insert Delivery Pressure Range Code and proper CGA Connection		
M21	Isobutane in Air Isobutane in Helium Isobutane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244* <b>Single-Stage</b> Y11-N245* Y11-244	A = 0 - 25 B = 0 - 50 *G = 0 - 500	E21 E12 E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M22	Methane in Air Methane in Helium Methane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244* <b>Single-Stage</b> Y11-N245* Y11-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12 E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M23	Nitric Oxide in Nitrogen	<b>Two-Stage Regulator</b> Y12-E444 * <b>Single-Stage</b> Y11-E444* <b>Cross Purge</b> Y99-CPA4330 <b>Tee Purge</b> Y99-TP4C330	A = 0 - 30, B = 0 - 60, D = 0 - 100 A = 0 - 30, B = 0 - 60, C = 0 - 100, D = 0 - 150	E29 E29 E50 E51
		* Insert Delivery Pressure Range Code and proper CGA Connection		

## Equipment Recommendations

Page #	Gas Mixture	Recommended Regulator	Delivery Pressure Range (psig)	Equipment Page Number
M24	Nitrogen in Argon Nitrogen in Helium Nitrogen in Hydrogen Nitrogen in Oxygen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250 *G = 0 - 500	E21 E12
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M25	Nitrogen Dioxide in Air Nitrogen Dioxide in Nitrogen	<b>Two-Stage Regulator</b> Y12-E444 *	A = 0 - 30, B = 0 - 60, D = 0 - 100	E29
		<b>Single-Stage</b> Y11-E444*	A = 0 - 30, B = 0 - 60, C = 0 - 100, D = 0 - 150	E29
		<b>Cross Purge</b> Y99-CPA4660		E50
		<b>Tee Purge</b> Y99-TP4C660		E51
		* Insert Delivery Pressure Range Code and proper CGA Connection		
M26	Nitrous Oxide in Air Nitrous Oxide in Nitrogen	<b>Two-Stage Regulator</b> Y12-C445 *	A = 0 - 30 B = 0 - 60 D = 0 - 100	E28
		<b>Single-Stage</b> Y11-C444*		E27
		* Insert Delivery Pressure Range Code and proper CGA Connection		
M27	Oxygen in Argon Oxygen in Helium Oxygen in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250	E21 E12
		<b>Single-Stage</b> Y11-N245* Y11-244		E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M28	Propane in Air Propane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250	E21 E12
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M29	Propylene in Air Propylene in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250	E21 E12
		<b>Single-Stage</b> Y11-N245* Y11-244*		E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	

## Equipment Recommendations

Page #	Gas Mixture	Recommended Regulator	Delivery Pressure Range (psig)	Equipment Page Number
M30	Silane in Argon Silane in Helium Silane in Hydrogen Silane in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244* <b>Single-Stage</b> Y11-N245* Y11-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150 F = 0 - 250	E21 E12  E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M31	Sulfur Dioxide in Air Sulfur Dioxide in Nitrogen	<b>Two-Stage Regulator</b> Y12-E444 * <b>Single-Stage</b> Y11-E444* <b>Cross Purge</b> Y99-CPA4660 <b>Tee Purge</b> Y99-TP4C660	A = 0 - 30, B = 0 - 60, D = 0 - 100  A = 0 - 30, B = 0 - 60, C = 0 - 100, D = 0 - 150	E29  E29  E50  E51
		* Insert Delivery Pressure Range Code and proper CGA Connection		
M32	Sulfur Hexafluoride in Nitrogen	<b>Two-Stage Regulator</b> Y12-215 * <b>Single-Stage</b> Y11-215*	A = 0 - 25 B = 0 - 50 D = 0 - 100 F = 0 - 250	E9  E8
		* Insert Delivery Pressure Range Code and proper CGA Connection		
M32	Toluene in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244* <b>Single-Stage</b> Y11-N245* Y11-244	A = 0 - 25 B = 0 - 50 D = 0 - 100 *E = 0 - 150	E21 E12  E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection	* Only available for the N245 series	
M33	Vinyl Chloride in Nitrogen	<b>Two-Stage Regulator</b> Y12-N245* Y12-244* <b>Single-Stage</b> Y11-N245* Y11-244*	A = 0 - 25 B = 0 - 50 D = 0 - 100	E21 E12  E20 E11
		* Insert Delivery Pressure Range Code and proper CGA Connection		