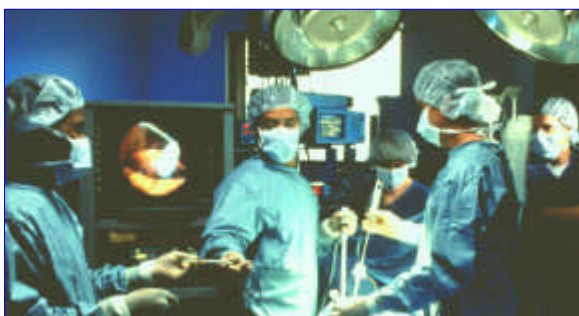


Medical Gases



Cylinder Gas Volumes

Gas volumes for each cylinder size vary depending on gas type and DOT pressure ratings. Gas contents range as follows:

Cylinder Size	Minimum Volume	Maximum Volume
300	300 cft	337 cft
200	200 cft	251 cft
100	100 cft	155 cft
80	80 cft	92 cft
50	50 cft	58 cft
E	22 cft	25 cft
D	13 cf	15 cft

Medical Air

ORDERING INFORMATION

CYLINDER INFORMATION

PURITY	ITEM #	CYLINDER DATA		RECOMMENDED EQUIPMENT
		Cylinder Size	CGA	Regulator Description
USP Grade 19.5-23.5% Oxygen H ₂ O <50ppm	CA3-USP	300	540	<i>Single Stage</i> HPS270
	CA2-USP	200	540	<i>Two Stage</i> HPT270
	CA100-USP	100	540	
	CAE-USP	E	950	M1-940-PG Or M1940-FG

Gas Data

Formula	None
Molecular Weight	28.97
Specific Volume	13.30 ft ³ /lb
CAS#	None
Hazard Class	2.2 Non Flammable

Medical Carbon Dioxide

ORDERING INFORMATION

CYLINDER INFORMATION

PURITY	ITEM #	CYLINDER DATA		RECOMMENDED EQUIPMENT	
		Cylinder Size	CGA	Regulator Description	
USP Grade H ₂ O < 150Mg/m ³ (200ppm) CO < 0.001% (10ppm) H ₂ S < 1ppm Nitric Oxide & Nitrogen Dioxide < 2.5ppm SO ₂ < 5ppm Ammonia 0.0025% (25ppm)	CO2-50-USP	200(50lb)	320	<i>Single Stage</i> HPS270	
	CO2-20-USP	50(20lb)	320		
	CO2-E-USP	E (7lbs)	940	<i>Two Stage</i> HPT270	
	CO2-D-USP	D (4lbs)	940		
					M1-940-PG Or M1940-FG

Gas Data

Formula	CO ₂
Molecular Weight	44.01
Specific Volume	8.75 ft ³
CAS#	124-38-9
Hazard Class	2.2 Non Flammable

Medical Helium

ORDERING INFORMATION		CYLINDER INFORMATION		
PURITY	ITEM #	CYLINDER DATA		RECOMMENDED EQUIPMENT
		Cylinder Size	CGA	Regulator Description
USP Grade 99.0%	HE200USP	200	580	<i>Single Stage</i> HPS270
	HE-D-USP	D	930	<i>Two Stage</i> HPT270
				M1-930-PG Or M-1930-FG

Gas Data

Formula	He
Molecular Weight	4.00
Specific Volume	96.7 ft ³
CAS#	7440-59-7
Hazard Class	2.2 Non Flammable

Medical Nitrogen

ORDERING INFORMATION		CYLINDER INFORMATION		
PURITY	ITEM #	CYLINDER DATA		RECOMMENDED EQUIPMENT
		Cylinder Size	CGA	Regulator Description
NF Grade 99.0% Oxygen < 1.0% CO2 < 0.001% (10ppm)	NIT3-NF	300	580	<i>Single Stage</i> HPS270
	NIT2-NF	200	580	<i>Two Stage</i> HPT270
	NIT25-NF	E	960	M1-910-PG Or M1-910-FG

Also Available in :



Gas Data

Formula	N2
Molecular Weight	28.00
Specific Volume	13.8 ft ³
CAS#	7727-37-9
Hazard Class	2.2 Non Flammable

Medical Nitrous Oxide

ORDERING INFORMATION

CYLINDER INFORMATION

PURITY	ITEM #	CYLINDER DATA		RECOMMENDED EQUIPMENT
		Cylinder Size	CGA	Regulator Description
NF Grade 99.0%				<i>Single Stage</i> HPS270
	N20-56#	200(56lb)	326	<i>Two Stage</i> HPT270
	N20-E-USP	E (7lbs)	910	
N20-D-USP	D (4lbs)	910	M1-950-PG Or M1950-FG	

Gas Data

Formula	N2O
Molecular	44.01
Specific Volume	8.7 ft ³
CAS#	10024-97-2
Hazard Class	2.2 Non Flammable

Medical Oxygen

ORDERING INFORMATION

CYLINDER INFORMATION

PURITY	ITEM #	CYLINDER DATA		RECOMMENDED EQUIPMENT
		Cylinder Size	CGA	Regulator Description
USP 99.0% Oxygen < 1.0% CO2 < 0.001% (10ppm)				<i>Single Stage</i> HPS270
	OX3-USP	300	540	<i>Two Stage</i> HPT270
	OX2-USP	200	540	
	OX-E-USP	E	870	M1-8700-PG Or M1-870-FG
OX-D-USP	D	870		

Also Available in :



Gas Data

Formula	O2
Molecular	32.00
Specific	12.1 ft ³
CAS#	7782-44-7
Hazard Class	2.2 Non Flammable, oxidizer

Related Equipment



Chrome plated M1 Series medical regulators available for all your medical cylinder gas applications requirements.



Store or transport small medical cylinders safely. Choose from a wide range of sizes and styles of carts and racks.