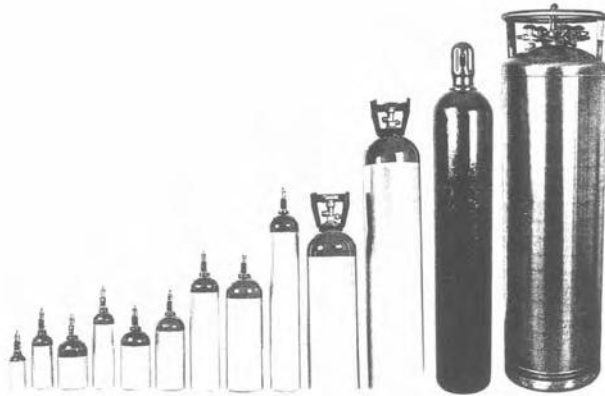


Technical Information/Medical Gas Cylinders*



CYLINDER	M2	M4	ML6	M6.B	M7	M9.C	D	JD	E	M60	M	H,T	LL
DIA./in.	2.5	3.2	4.3	3.2	4.3	4.3	4.3	5.3	4.3	7.3	8	9.3	21
HT./in. w/o valve	5.3	8.5	7.5	11.5	9	12	16.5	16.5	25.5	23	36	50-52	62-67

Lightweight Aluminum Cylinders

Style	Oxygen Capacity ft ³	Oxygen Capacity L	Weight No Valve, lb.	Service Pressure (psig)
M60	60	1699	22.5	2216
E	24	679	8	2015
M22	22.9	648	9	2216
M18	18	510	7.7	2216
D	15	425	5.5	2015
M9	8.7	246	3.9	2015
M7	7	198	3.5	2015
M6	5.8	164	2.4	2216
M4	4.0	113	1.8	2216

Featherweight Composite Cylinders

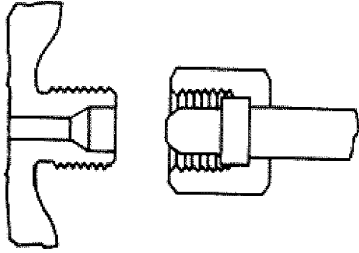
Style	Oxygen Capacity ft ³	Oxygen Capacity L	Weight No Valve, lb.	Service Pressure (psig)
M2IT	21.8	616	4.0	3000
M16T	16	453	2.9	2216
M06T	6.4	182	1.5	3000
M05T	5.7	160	1.4	3000
M04T	4.4	125	1.1	3000

Cylinder Size	Contents	Medical Air	Carbon Dioxide	Helium	Nitrogen	Nitrous Oxide	Oxygen
T	Cubic Feet (ft ³)	311	638	291	304	637	337
	Cubic Meters (m ³)	8.62	17.68	8.07	8.42	17.66	9.34
	Liters (L)	8,620	17,680	8,070	8,420	17,660	9,340
	Gallons (gal)	2,277	4,671	2,132	2,225	4,666	2,468
	Pounds (lb)	23.30	73.00	3.01	22.01	73.00	27.88
	Kilograms (kg)	10.57	33.11	1.37	9.98	33.11	12.65
J	Cubic Feet (ft ³)	259	559	242	254	558	280
	Cubic Meters (m ³)	7.19	15.50	6.72	7.03	15.49	7.76
	Liters (L)	7,190	15,500	6,720	7,030	15,490	7,760
	Gallons (gal)	1,900	4,095	1,775	1,857	4,092	2,050
	Pounds (lb)	19.44	64.00	2.51	18.38	64.00	23.16
	Kilograms (kg)	8.82	29.03	1.14	8.34	29.03	10.51
H	Cubic Feet (ft ³)	233	559	218	229	558	249
	Cubic Meters (m ³)	6.46	15.50	6.04	6.34	15.49	6.90
	Liters (L)	6,460	15,500	6,040	6,340	15,490	6,900
	Gallons (gal)	1,707	4,095	1,596	1,675	4,092	1,823
	Pounds (lb)	17.46	64.00	2.25	16.56	64.00	20.61
	Kilograms (kg)	7.92	29.03	1.02	7.51	29.03	9.35
G	Cubic Feet (ft ³)	208	489	194	204	489	222
	Cubic Meters (m ³)	5.76	13.56	5.38	5.65	13.55	6.15
	Liters (L)	5,760	13,560	5,380	5,650	13,550	6,150
	Gallons (gal)	1,522	3,583	1,421	1,493	3,580	1,625
	Pounds (lb)	15.55	56.00	2.01	14.76	56.00	18.36
	Kilograms (kg)	7.05	25.40	0.91	6.70	25.40	8.33
E	Cubic Feet (ft ³)	23.5	56.2	22.0	23.0	56.2	24.9
	Cubic Meters (m ³)	0.65	1.56	0.61	0.64	1.56	0.69
	Liters (L)	650	1,560	610	640	1,560	690
	Gallons (gal)	172	412	161	169	412	182
	Pounds (lb)	1.76	6.44	0.23	1.67	6.44	2.06
	Kilograms (kg)	0.80	2.92	0.10	0.76	2.92	0.93
D	Cubic Feet (ft ³)	14.4	33.9	13.5	14.1	33.9	15.3
	Cubic Meters (m ³)	0.40	0.94	0.37	0.39	0.94	0.42
	Liters (L)	400	940	370	390	940	420
	Gallons (gal)	106	248	97.8	103	248	111
	Pounds (lb)	1.08	3.88	0.14	1.02	3.88	1.27
	Kilograms (kg)	0.49	1.76	0.06	0.46	1.76	0.58

*Figures indicated will vary depending on cylinder manufacturer and fill process from gas supplier.

Technical Information

Medical Gas Cylinder Valves - Threaded Connections



CGA Connection No. 280

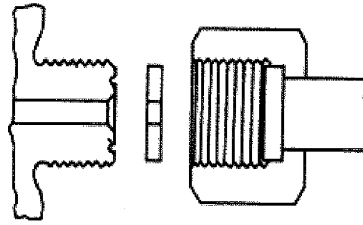
.745-14NGO-RH-EXT

Carbon Dioxide-Oxygen Mixtures ($\text{CO}_2 \leq 7.0\%$)

Oxygen-Nitrogen Mixtures ($\text{O}_2 > 23.5\%$)

Helium-Oxygen Mixtures ($\text{He} \leq 80\%$)

Xenon-Oxygen Mixtures ($\text{Xe} \leq 80\%$)

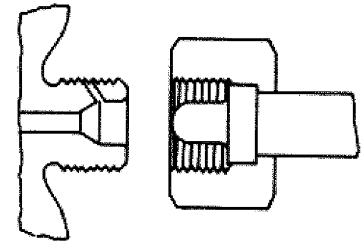


CGA Connection No. 320

.825-14NGO-RH-EXT

(Flat Nipple)

Carbon Dioxide

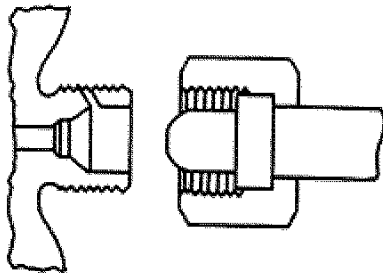


CGA Connection No. 326

.845-14NGO-RH-EXT

(Small Round Nipple)

Nitrous Oxide



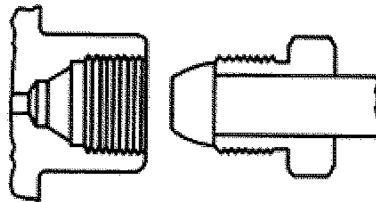
CGA Connection No. 346

(Formerly 1340)

.825-14NGO-RH-EXT

(Large Round Nipple)

Medical air



CGA Connection No. 500

.885-14NGO-RH-INT.

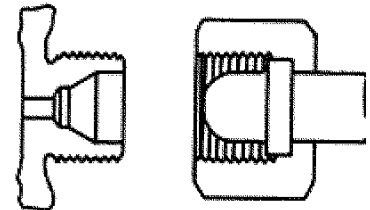
(Bullet Nipple)

Carbon Dioxide-Oxygen Mixtures

($\text{CO}_2 > 7.0\%$)

Helium-Oxygen Mixtures ($\text{He} > 80.0\%$)

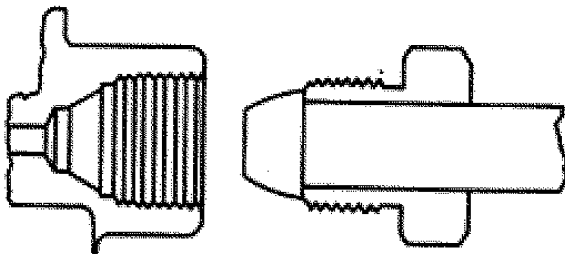
Medical Device Gas Mixtures



CGA Connection No. 540

.903-14NGO-RH-EXT

Oxygen



CGA Connection No. 580

.965-14NGO-RH-INT

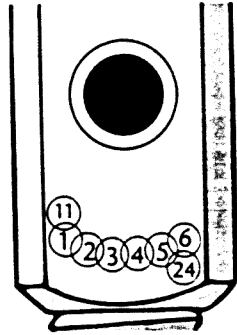
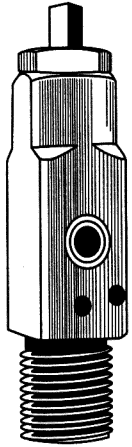
Helium

Nitrogen

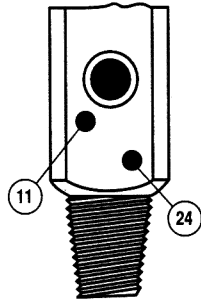
Xenon

Technical Information

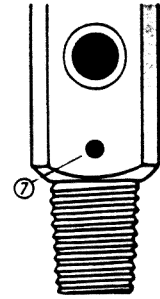
Medical Gas Cylinder Valves - Pin-Indexed Connections



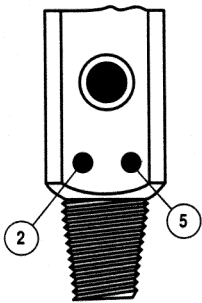
Post Type Valve with Pin-Indexed Outlet



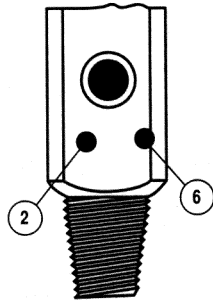
CGA Connection No. 973 Medical Cylinder Valve Connection (The CGA 860 non-indexed valve has been replaced by CGA 973 for various nonflammable, non-corrosive medical gas mixtures.)



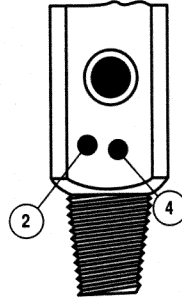
CGA Connection No. 965 Medical Cylinder Valve Connection N₂O & O₂ mix (N₂O 47.5 to 52.5%)



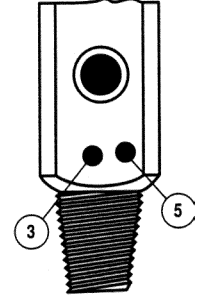
CGA Connection No. 870 Valve Yoke Connection Oxygen



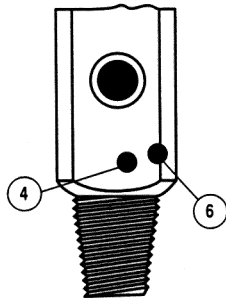
CGA Connection No. 880 Medical Cylinder Valve Connection Carbon Dioxide-Oxygen Mixtures (CO₂ ≤ 7.0%)



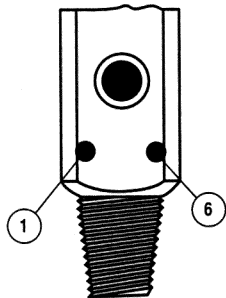
CGA Connection No. 890 Medical Cylinder Valve Connection Helium-Oxygen Mixtures (He ≤ 80.0%) Xenon-Oxygen Mixtures (Xe ≤ 80.0%) Nitrogen-Oxygen Mixtures (O₂ > 23.5%)



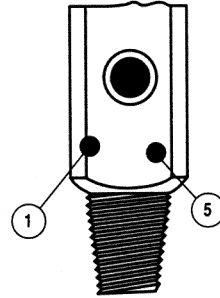
CGA Connection No. 910 Medical Cylinder Valve Connection Nitrous Oxide



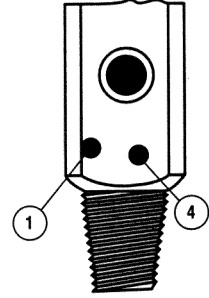
CGA Connection No. 930 Medical Cylinder Valve Connection Helium Helium-Oxygen Mixtures (He > 80.0%)



CGA Connection No. 940 Medical Cylinder Valve Connection Carbon Dioxide Carbon Dioxide-Oxygen Mixtures (CO₂ > 7.0%)



CGA Connection No. 950 Medical Cylinder Valve Connection Medical air



CGA Connection No. 960 Medical Cylinder Valve Connection Nitrogen

Technical Information

Wall Outlets - Adapter Identification

For Proper Outlet and Outlet Identification, use Chart Below.

W
A
L
L

O
U
T
L
E
T
S



Ohmeda Diamond



D.I.S.S.



Schrader



Chemetron (NCG)
Rectangle Locking Pin



Chemetron (NCG)
Round Locking Pin



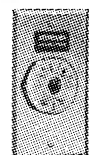
Puritan-Bennett
(Beacon Medical)



Oxequip
O.E.S. (Twist)



Oxequip
Med* Star



Dynacon
(Nitrogen)



Ohmeda Diamond



D.I.S.S. Hand Nut



D.I.S.S. Nut & Gland



Schrader



Chemetron (NCG)
Rectangle Locking Pin



Chemetron (NCG)
Round Locking Pin



Puritan-Bennett
(Beacon Medical)



Oxequip
O.E.S. (Twist)



Oxequip
Med* Star



Dynacon
(Nitrogen)

A
D
A
P
T
E
R
S