



# EVERYTHING YOU NEED TO **KEEP GOING**

2016 CATALOG

[www.applied-inc.com](http://www.applied-inc.com)





## Keeps Your Patients

*Active!*

Whether they are out on the town or home with family—patients can always have their oxygen with them. Restoring freedom and control of their day is a big part of what makes the OxyGo™ so special.

Patients can power an OxyGo™ by plugging it into a wall outlet, DC outlet in their car, or for hours at a time with each rechargeable battery. Weighing in at less than 5 pounds, and with an extraordinary battery life of 9.5 hours, the OxyGo™ is completely wearable.

<b>Weight</b>	4.8 lbs. / 2.2 kg. (with single battery)
<b>Size</b>	(L) 8.75" x (W) 3.0" x (H) 7.25" 22.2 mm x 7.6 mm x 18.4 mm
<b>Oxygen Flow</b>	Intelligent Delivery Technology Four pulse flow settings: 1, 2, 3, & 4
<b>Power Sensing</b>	AC Power Supply: 100-240 V, 50-60 Hz (auto-sensing to allow worldwide use), DC Power Cable for mobile use in car
<b>Battery</b>	<b>Single:</b> Up to 4.5 hours Recharge: 2-4 hours <b>Double:</b> Up to 9.5 hours Recharge: Up to 4-8 hours
<b>Noise</b>	42 Decibels (at setting 2)
<b>Warranty</b>	3 year limited
<b>Operation</b>	Simple control functions and easy-to-read LCD display
<b>Use</b>	Designed for 24/7 use, at home or away!

# 1400-1000

## OxyGo™ Accessories



- 1 # 1400-1010-8**  
Single Cell Battery:  
Rechargeable Lithium-Ion
- # 1400-1010-16**  
Double Cell Battery:  
Rechargeable Lithium-Ion
- 2 # 1400-1030**  
Desktop Battery Charger with  
power supply. Includes charger  
and power supply with AC  
power cord.
- 3 # 1400-1040**  
Home / Office AC Power Supply.  
Includes power supply and AC  
power cord.
- 4 # 1400-1050**  
Car / Boat / RV DC Power Supply
- 5 # 1170-1420**  
OxyGo Backpack
- 6 # 1170-1410**  
OxyGo Carrying Case

### NOT PICTURED:

- # 1400-1000**  
OxyGo Unit (*single cell battery*)
- # 1400-1000-16**  
OxyGo Unit (*double cell battery*)
- # 1400-1310**  
OxyGo Particle Filters (pack of 2)
- # 1400-1320**  
OxyGo Output Filters (pack of 10)
- # 1400-1321**  
OxyGo Output Filter  
Spanner Wrench
- # 1400-1322**  
OxyGo Filter Replacement Kit  
Includes Spanner Wrench  
and 2 Output Filters.

## Cylinder Bags + Boxes



**1 # 1170-0020**

M6/M9 Cylinder Backpack.  
Holds 2 cylinders.

**2 # 1170-0022**

D Cylinder Backpack.  
Holds 1 cylinder.

**3 # 1170-0010**

M6/B 3-in-1 cylinder bag. Can be carried horizontally, vertically or as a backpack.

**4 # 1170-0012**

M6 3-in-1. Carry 2 M6 cylinders horizontally, vertically or as a backpack.

**5 # 1170-0158-1**

E Cylinder Box.  
Each box carries 4. Case of 10.

**6 # 1170-0154-1**

M6 Cylinder Box.  
Each box carries 6. Case of 10.

**7 # 1170-0156-1**

C Cylinder Box.  
Each box carries 4. Case of 10.  
*not shown*



**1 # 1170-0026**

Helios Portable. For the Helios Portable Oxygen System.

**2 # 1170-0030**

E Wheelchair Cylinder Bag. Attach with the adjustable, clip-on strap. Holds 1 E cylinder.

**3 # 1170-0024**

M6/B/M9/C Fanny Bag. Holds 1 cylinder.

**4 # 1170-0050**

D/E Cylinder Tote. Holds 3 cylinders.

**5 # 1170-0040**

M6 Cylinder Tote. Holds 8 cylinders.

①



②



③



④



⑤





# 1400-5000

# 1400-5000

### OxyHome™ by Nidek 5L Concentrator

Mark 5 Nuvo Lite Stationary Oxygen Concentrator. 5 Liter Oxygen concentrator with O<sub>2</sub> monitor. Flow Settings: 1, 2, 3, 4 and 5 LPM. Lockable control valve. Metal outlet fitting. Resettable circuit breaker.

115 Volt / 60 Hz      230 Volt / 50 Hz

<b>Standard Model PN</b>	520	920
<b>OCSI Model PN</b>	525	925
<b>Average Power Consumption</b>	330 Watts	300 Watts
<b>Oxygen Concentration</b>	90% (+6.5% / -3%) at 5 LPM	
<b>Liter Flow</b>	0.125 to 5 LPM	
<b>Sound Level</b>	45 dBA typical	
<b>Outlet Pressure</b>	7.0 PSI	
<b>Weight</b>	32 lbs / 14.5 kg	
<b>Dimensions</b>	14" W x 9" D x 23" H 36 cm x 23 cm x 58.5 cm	

### OxyHome™ by Nidek 10L Concentrator

Mark 5 Nuvo 10 Stationary Oxygen Concentrator. 10 Liter Oxygen concentrator with O<sub>2</sub> monitor. Flow Settings: 2 to 10 LPM. Lockable control valve. Metal outlet fitting. Resettable circuit breaker.

230 Volt / 50 Hz

<b>Standard Model PN</b>	1000
<b>OCSI Model PN</b>	1005
<b>Average Power Consumption</b>	600 Watts
<b>Oxygen Concentration</b>	90% (+5% / -3%) at 10 LPM
<b>Liter Flow</b>	2 to 10 LPM
<b>Outlet Pressure</b>	20 PSIG (1.38 BAR)
<b>Weight</b>	64.5 lbs / 29.3 kg
<b>Dimensions</b>	16" W x 16" D x 30" H 39 cm x 40 cm x 76 cm

# OxyGo's Oxygen Back-Up Collection



## ◀ Flex-Reg

The **Flex-Reg** is the most versatile of all regulators. Accommodate patients with a low liter per minute prescription as well as hospice and other emergency facilities.

# 1109-2028 (CGA 870, 0-8 lpm)

# 1109-2029 (CGA 870, 0-15 lpm)

## Custom Imprint Regulators

Add your contact information and 1-color logo. 40 piece minimum order. Multiples of 20 thereafter. Volume pricing and other models available.

# 1109-2028C (CGA 870, 0-8 lpm)

# 1109-2029C (CGA 870, 0-15 lpm)



## ◀ EMS: 0-25

Applied's **EMS Regulator** CGA 870 0-25 lpm features a hose barb and two 50 psi power take off outlets, and the settings of 0, 1, 2, 4, 6, 8, 10, 12, 15, 18, 20, 25.

# 1109-2040 (CGA 870, 0-25 lpm)

# 1109-2042 (CGA 540, 0-25 lpm)



## ◀ Pediatric

Engineered in the U.S., these **pediatric regulators** are durable and high quality. Settings: 0, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1.5, 2, 3, 4.

# 1109-2030 (CGA 870, 1/32-4 lpm)

# 1109-2032 (CGA 540, 1/32-4 lpm)



## ◀ EasyPulse5 Conserver

The EasyPulse5 is a **single lumen conserver** with a CGA 870 connection. It includes one adult single lumen cannula, and is the smallest and lightest oxygen conserver available, weighing as little as 9.9 oz. Conserving flows: 1, 2, 3, 4, 5 lpm pulse settings.

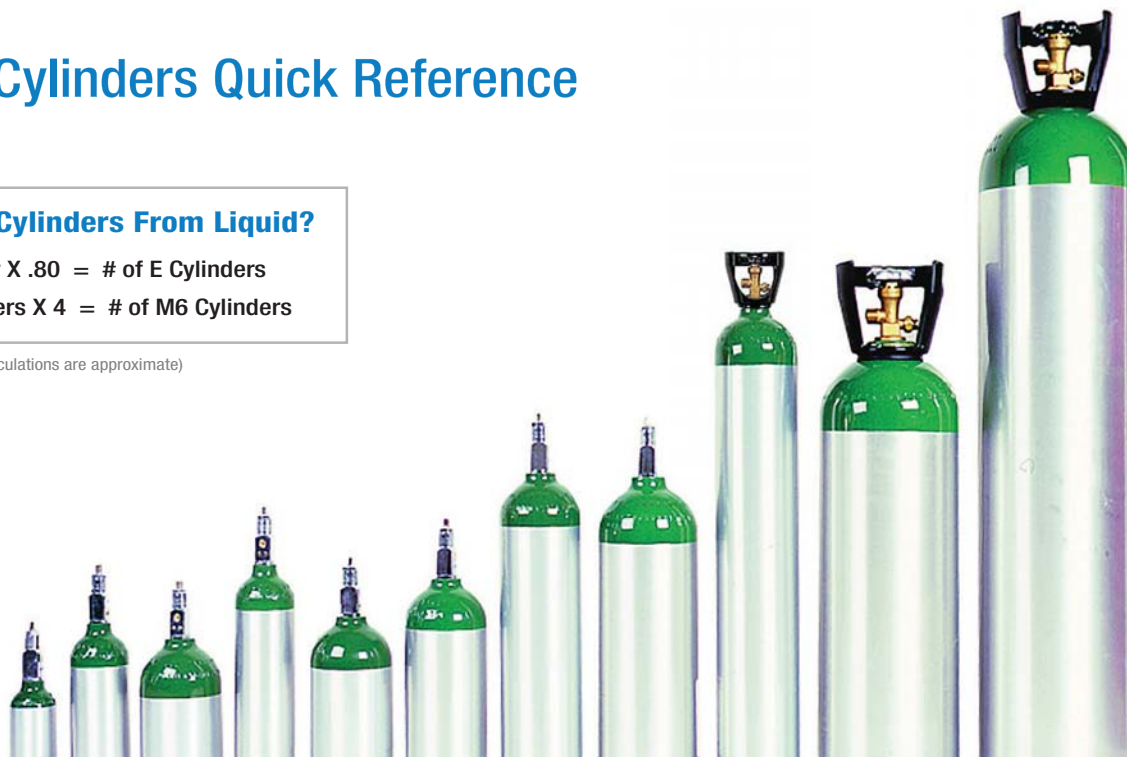
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## Oxygen Cylinders Quick Reference

### How Many Cylinders From Liquid?

L in Dewar X .80 = # of E Cylinders  
 # of E Cylinders X 4 = # of M6 Cylinders

(calculations are approximate)



Common Name	A		B		C	D	Jumbo D	E			H
Newer Name	M4	ML6	M6	M7	M9	M15	M22	M24	M60	M/MM/M122	M250
Diameter (in)	3.2	4.3	3.2	4.3	4.3	4.3	5.3	4.3	7.3	8	9
Height (in) to bottom of post valve	8.5	7.6	11.5	9.1	11	16.5	16.5	25.5	23	36	52
Empty Weight (lbs)	1.6	2.8	2.2	3.3	3.7	5.3	8	7.9	22.3	39.5	114
Capacity (L)	113	165	164	198	255	425	640	680	1738	3455	7080
Capacity (cu ft)	3.99	5.83 <sup>†</sup>	5.79	6.99	9.00	15.01	22.60	24.01	61.38	122.01	250.03
Transport Method	bag	bag	bag	bag	bag	bag	bag	bag / cart	Not Portable	Not Portable	Not Portable
Common Valve / Regulator Type	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 540	CGA 540	CGA 540
Minutes of Oxygen (at 2 lpm)	48	70	70	84	108	181	272	289	739	1468	3009
Service Pressure	2216	2015	2216	2015	2015	2015	2216	2015	2216	2216	2216
Pallet Size	144	81	144	81	81	81	72	81	42	25	25
Applied Pallet Part Number	3000	3004	3001	3007	3005	3009	3011	3013	3015	3017	3020
Applied 6-Pack Part Number	3000 PK	3004 PK	3001 PK	3007 PK	3005 PK	3009 PK	3011 PK <sup>**</sup>	3013 PK	3015 PK <sup>**</sup>	3017 PK <sup>**</sup>	N/A
FREE Shipping?	YES	YES	YES	YES	YES	YES	YES	YES <sup>*</sup>	YES <sup>*</sup>	YES <sup>*</sup>	NO

<sup>\*</sup> Free shipping by pallet only    <sup>\*\*</sup> No free shipping on 6-packs of: M150, M122, M90, M60, Jumbo D



## OxySafe™

OxySafe™ is a thermal fuse designed to stop the flow of gas in the event that the downstream cannula or supply tubing is ignited. With OxySafe™, the PVC tube is inclined to extinguish because PVC will not normally burn in air—offering healthcare providers a cost effective solution to lower the risk of serious patient injury in a dangerous oxygen fire.

It is never safe to smoke around oxygen, and OxySafe™ does not make it safe to smoke around oxygen. OxySafe™ should be placed as close to the patient as possible AND as close to the oxygen source as possible. This means that, ideally, you would outfit a patient with 2 OxySafe™. This way you can protect the patient and others by protecting the oxygen source from fire.

### OxySafe™ Nasal Cannula Kit

OxySafe™ with hose barb connections and OxySafe™'s unique 2" nasal cannula. Bag of 25.

# 1109-2020

### OxySafe™ Concentrator & Regulator Kit

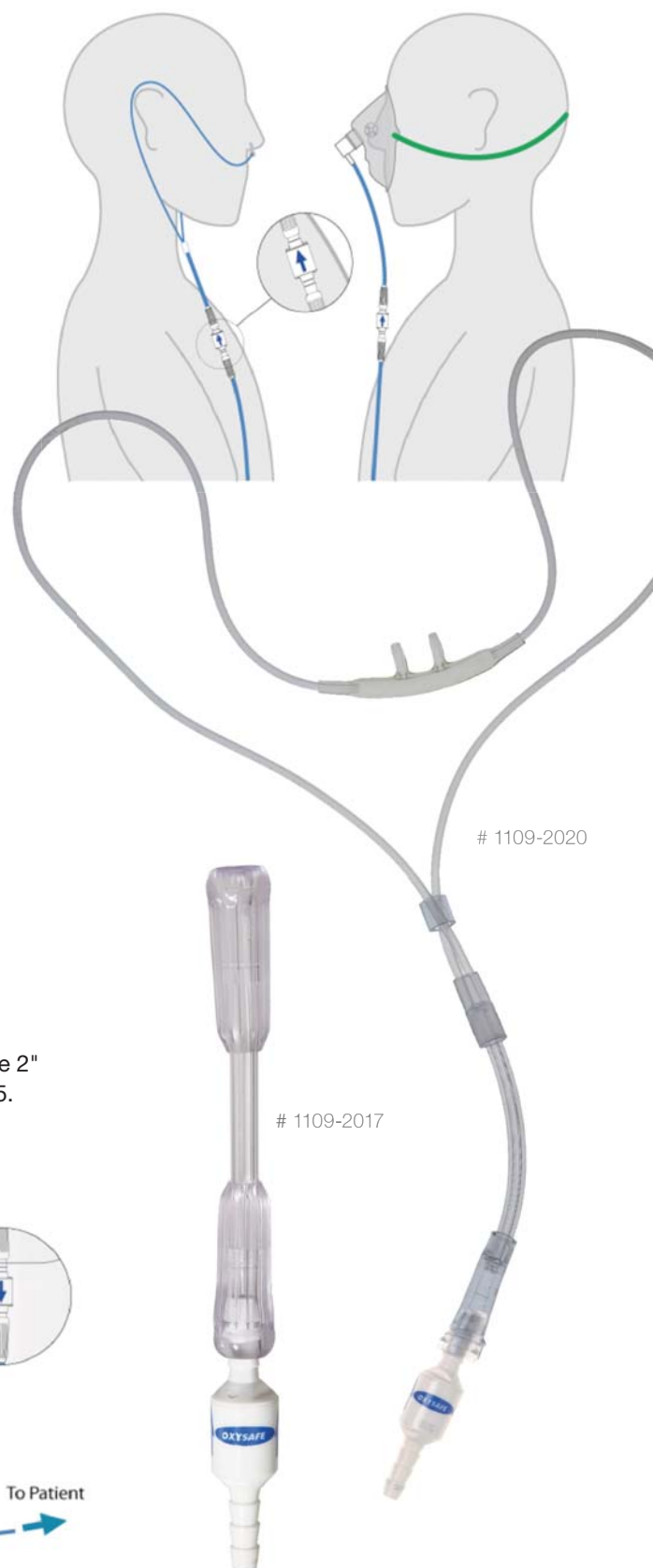
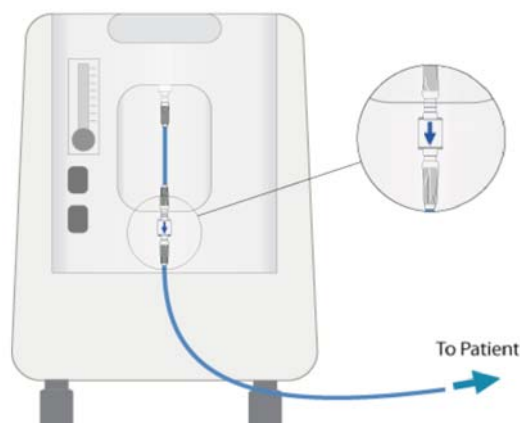
Includes OxySafe™ with hose barb connections and 2" tubing connector with female trumpet ends. Bag of 25.

# 1109-2017

### OxySafe™ Complete Patient Kit

Kit includes two OxySafe™ units, one 2" tubing connector, and one 2" nasal cannula. (1 each of #1109-2020 and #1109-2017). Bag of 25.

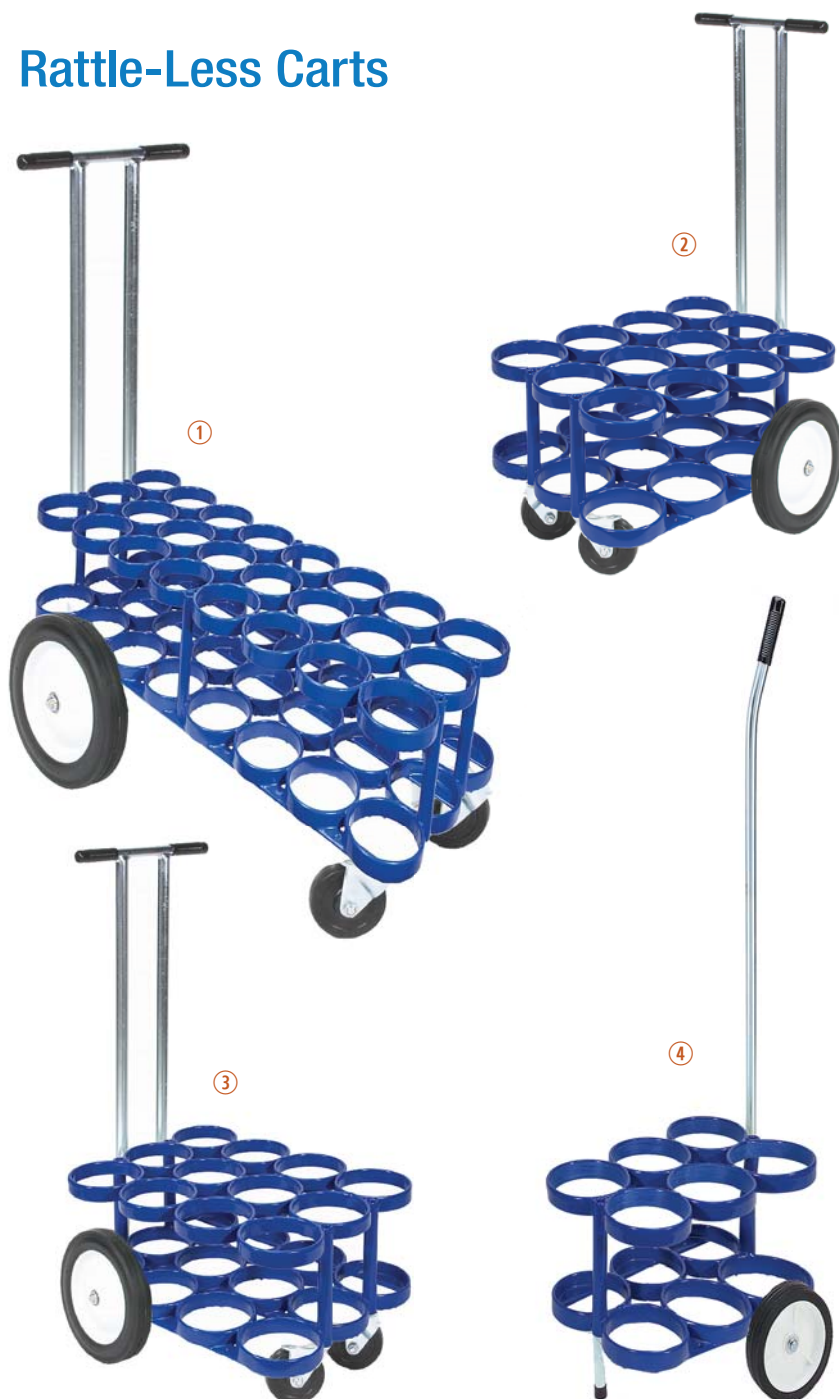
# 1109-2222



### Check Out Our "**Do Not Disturb**" Carts And Racks

Do you deliver to nursing homes, hospital or hospices? Be a favorite delivery of your customer by keeping your noise down. Our carts are covered with a proprietary coating that protects cylinders from damage and reduces noise.

#### Rattle-Less Carts



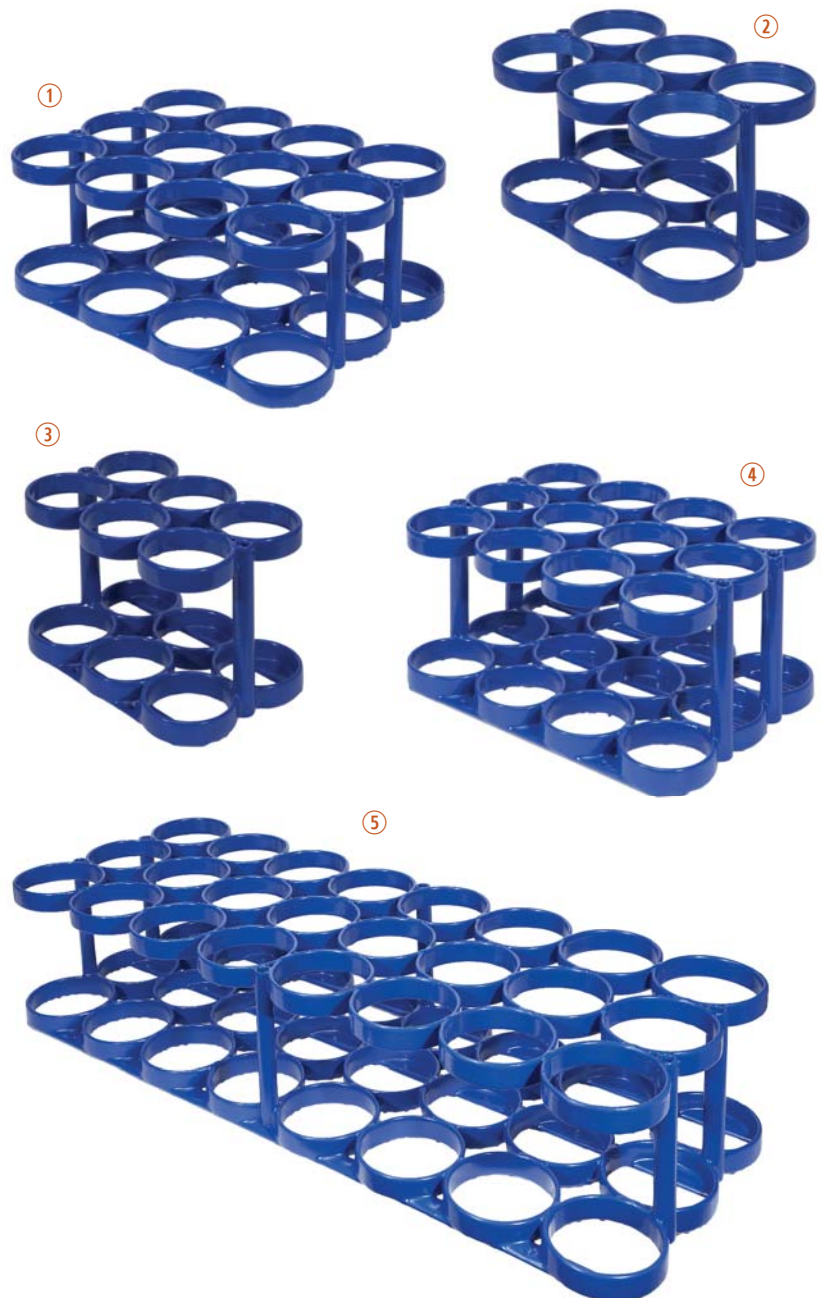
- 1 # 1100-1427**  
Rattle-Less Cylinder Cart,  
Holds 24 M6 Cylinders.  
36.75" H x 32" D x 15.5" W
- 2 # 1100-1425**  
Rattle-Less Cylinder Cart,  
Holds 12 M6 Cylinders.  
36.75" H x 19" L x 15.5" W
- 3 # 1100-1426**  
Rattle-Less Cylinder Cart,  
Holds 12 D/E Cylinders.  
36.75" H x 22" D x 20.25" W
- 4 # 1100-1424**  
Rattle-Less Cylinder Cart,  
Holds 6 M6 Cylinders.  
39.5" H x 13" D x 12 1/16" W
- 5 # 1100-1423**  
Rattle-Less Cylinder Cart,  
Holds 6 DE Cylinders.  
39.5" H x 16.5" L x 13.75" W  
*not shown*

... “So good drivers would pay out of pocket for them!”

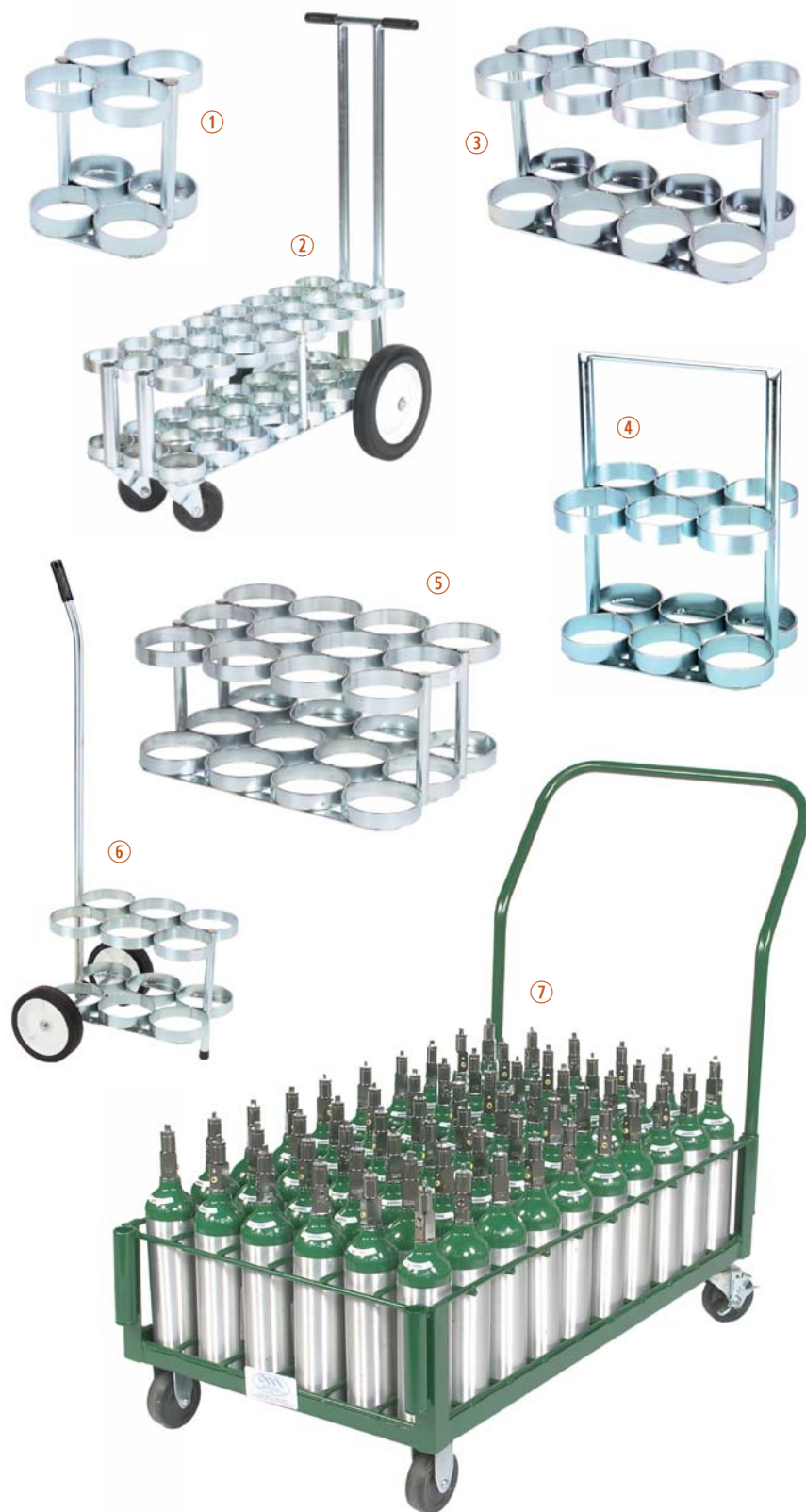
Applied's Rattle-Less Racks are dipped in a proprietary coating to create the perfect rack protecting your ears—and your cylinders! Rattle-Less Racks have a durable coating that dampens the sound of the cylinder rattling in the rack during transport. The coating softens the hard metal edges of the rack, which can help reduce the wear and tear on your cylinders and labels from frequent movement in and out of the rack.

- 1 # 1100-1420**  
Holds 12 D/E Cylinders
- 2 # 1100-1436**  
Holds 6 D/E Cylinders
- 3 # 1100-1432**  
Holds 6 M6 Cylinders
- 4 # 1100-1437**  
Holds 12 M6 Cylinders
- 5 # 1100-1458**  
Holds 24 D/E Cylinders
- 6 # 1100-1433**  
Holds 8 M6 Cylinders  
*not shown*
- 7 # 1100-1434**  
Holds 24 M6 Cylinders  
*not shown*

## Rattle-Less Racks



## M6 Carts and Racks



- 1 # 1100-1931**  
Holds 4 cylinders.  
8  $\frac{3}{8}$ " H x 8" D x 8" W
- 2 # 1100-1927**  
Holds 24 cylinders.  
36  $\frac{3}{4}$ " H x 32" D x 15  $\frac{1}{2}$ " W
- 3 # 1100-1933**  
Holds 8 cylinders.  
8  $\frac{3}{8}$ " H x 8" W x 15  $\frac{1}{2}$ " L
- 4 # 1100-1946**  
Holds 6 cylinders.  
15  $\frac{1}{2}$ " H x 7  $\frac{3}{4}$ " W x 11  $\frac{3}{4}$ " L
- 5 # 1100-1937**  
Holds 12 cylinders.  
8  $\frac{3}{8}$ " H x 12" W x 15  $\frac{1}{2}$ " L
- 6 # 1100-1924**  
Holds 6 cylinders.  
39  $\frac{1}{2}$ " H x 13" D x 12  $\frac{1}{16}$ " W
- 7 # 1100-1846**  
Holds 60 cylinders.  
40" H x 39" D x 23" W

Don't see the rack  
or cart you need?

**CHECK US  
OUT ONLINE!**  
[applied-inc.com](http://applied-inc.com)





## C, D, E Carts and Racks

**1 # 1100-1958**

Holds 24 cylinders.  
8 1/4" H x 39" L x 14 1/2" W

**2 # 1100-1901**

Holds 1 cylinder.  
7" H x 9" L x 9 1/2" W

**3 # 1100-1935**

Holds 8 cylinders.  
8 1/4" H x 19 1/2" L x 9 3/4" W

**4 # 1100-1936**

Holds 6 cylinders.  
8 3/8" H x 10" L x 15" W

**5 # 1100-1923**

Holds 6 cylinders.  
39 1/2" H x 16 1/2" L x 13 3/4" W

**6 # 1100-1920**

Holds 12 cylinders.  
8.375" H x 20" L x 15" W

**7 # 1100-1912**

Holds 2 cylinders.  
39 1/2" H x 10" L x 13 3/4" W

**8 # 1100-1926**

Holds 12 cylinders.  
36 3/4" H x 20" L x 22" W

**9 # 1100-1885**

Holds 24 cylinders.  
45" H x 31 1/2" L x 21 1/2" W



## U.S. DOT Compliant Van Racks\*



### 1 # 1100-1795

Layered van rack with lockable door. Holds 35 M6 Cylinders.  
25 1/2" H x 19 1/2" D x 27" W

### 2 # 1100-1789

Layered van rack with lockable door. Holds 21 M6 cylinders.  
33" H x 18 1/2" D x 13" W

### 3 # 1100-1794

Layered van rack with lockable door, hinged on right side. Holds 12 D/E cylinders and 16 M6 cylinders.  
44 3/4" H x 32 1/2" D x 17 1/2" W

### 4 # 1100-1862

25 D/E layered cylinder rack. Also holds 50 M7 / M9 / C for horizontal storage. 40" H x 32" D x 27" W

### 5 # 1100-1797

25 E layered van rack with lockable door.  
33" H x 32 1/2" D x 28" W  
*not shown*

### Need to touch up? No problem!

We have spray cans of special green paint to match. # 1109-5557



### DOT TIP: AVOID DOT FINES!

\* U.S. DOT regulations require cylinders, cryogenic vessels, carts, racks, etc. to be secured against movement, shifting, and/or ejection during normal transportation (49 CFR 393.102))



## U.S. DOT Compliant, Transport Canada Carts and Stands

**1 # 1100-1815**

Holds 1 M60 (7 ¼" D) cylinder.  
6" H x 14" D x 14" W

**2 # 1100-1836**

Holds 1 M60, M, H or T cylinder,  
7" to 9 ½" diameter, with swivel  
casters.  
12" H x 18" D x 18" W

**3 # 1100-1835**

Holds 1 M60, M, H or T cylinder,  
7" to 9 ½" diameter.  
12" H x 18" D x 18" W

**4 # 1100-1819**

Holds 1 H/T cylinder.  
46" H x 15" D x 15" W

**5 # 1100-1822**

Holds 1 H/T cylinder, with dolly  
style handle and solid rubber  
wheels and swivel casters.  
46" H x 15" D x 15" W

**6 # 1100-1950**

Holds 1 cylinder or liquid reservoir,  
rubber padded with two securing  
chains and semi-solid wheels.  
44" H x 22 ½" L x 17" W



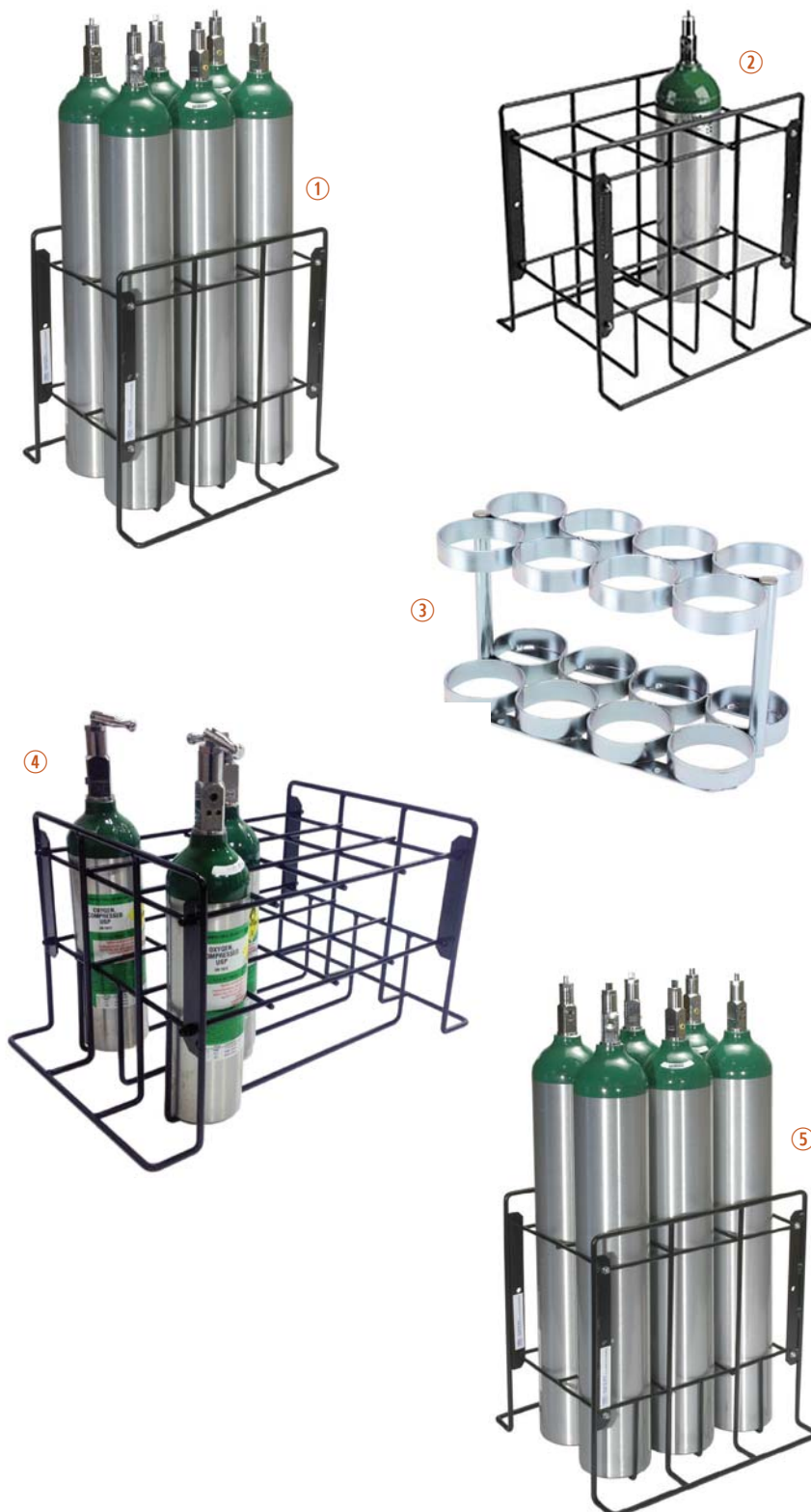
Don't see the rack  
or cart you need?

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### Patient Storage Racks



- 1 # 1100-1941**  
Patient Storage Rack.  
Holds 6, C/D/E cylinders.
- 2 # 1100-1984**  
Patient Storage Rack.  
Holds 6, M6 cylinders.
- 3 # 1100-1989**  
Patient Storage Rack.  
Holds 8, ML6 cylinders.
- 4 # 1100-1985**  
Patient Storage Rack.  
Holds 12, M6 cylinders.
- 5 # 1100-1982**  
Patient Storage Rack.  
Holds 12, C/D/E cylinders.
- 6 # 1100-1983**  
Patient Storage Rack.  
Holds 24, C/D/E cylinders.  
*not shown*
- 7 # 1100-1986**  
Patient Storage Rack.  
Holds 24, M6 cylinders.  
*not shown*



## Custom Labels and Stickers

Custom oxygen labels include your company name, address, logo and telephone/fax number, along with the liters and cylinder size you fill. Drug product labels are required by the FDA. 21 CFR 201.1. All labels Comply with FDA, DOT, EPA, OSHA & CGA C-7. Drug product labels are required by the FDA. 21 CFR 201.1.

Cylinder labels are also available in blank flat packs. Stamp or type NAME, ADDRESS, CITY, STATE & ZIP in the center white area with water resistant ink.

Lot stickers are required by 21 CFR 211.130.

### 1 # 1109-0006-2015

Custom Oxygen Compressed USP Labels updated with OSHA GHS required pictograms and labeling.

### 2 # 1109-0003-2015

Custom Oxygen Refrigerated Liquid Labels updated with OSHA GHS required pictograms and labeling. For use with cryogenic vessels of all sizes.

### 3 OXYMARK Lot Stickers

750 per roll.

# 1100-1950 = Blank

# 1109-0002A = Lot, Exp. Date

# 1109-0002B = Lot, Liter

### 4 # 1109-0001

OXYMARK 4 Label Gun (Metal Body/ black handle) prints two lines for use in applying the lot number and expiration date or contents to medical oxygen cylinders.

# 1109-0002IR

Replacement Ink Roller  
*not shown*

### 5 # 1109-0005-2015

BLANK flat pack of Compressed Oxygen Product Labels.  
USP, UN 1072 *not shown*

### 6 # 1109-0010-2015

BLANK flat pack of Oxygen Refrigerated Liquid Labels.  
USP, UN 1073 *not shown*





## Label Remover 3G

No residue & no rinse formula. Leaves no residue & fast drying. No rinsing needed. Non-oily, low odor & toxicity. Contains no chlorinated solvents or CFCs. Meets Mil Spec PD-680, Type 1.

**1 Gallon Bottle | # 1109-5520**

Sold in cases of 4, priced individually.

**32 oz. Bottle | # 1109-5521**

Sold in cases of 12, priced individually.

**120 ct. Wipes | # 1109-5524**

Sold in cases of 6, priced individually.



## Oxygen Equipment Cleaner

Meets requirements for CGA (O2-DIR listed) oxygen cleaning solutions when used as directed, with instructions and MSDS.

**1 Gallon Bottle | # 1100-0026-1**

Sold in cases of 4, priced individually.

**32 oz. Bottle | # 1100-0021**

Sold in cases of 12, priced individually.

**120 ct. Wipes | # 1100-0022-1**

Sold in cases of 6, priced individually.



## Concentrator Cleaner

Leaves no residue and fast drying. No rinsing needed. Biodegradable, USDA approved. No VOCs, CFCs, chlorinated solvents, phosphates, alcohol, ammonia, acids or abrasives. No flashpoint. Pleasant fragrance. Made in the USA.

**1 Gallon Bottle | # 1109-5527**

Sold in cases of 4, priced individually.

**32 oz. Spray Bottle | # 1109-5529**

Sold in cases of 12, priced individually.

**120 ct. Wipes | # 1109-5528**

Sold in cases of 6, priced individually.



## Cylinder Surface Cleaner 2.0

Leaves no residue and fast drying. No rinsing needed. Biodegradable, USDA approved. No VOCs, CFCs, chlorinated solvents, phosphates, alcohol, ammonia, acids or abrasives. No flashpoint. Pleasant fragrance. Made in the USA.

**1 Gallon Bottle | # 1100-0130**

Sold in cases of 4, priced individually.

**32 oz. Bottle | # 1100-0134**

Sold in cases of 12, priced individually.

**120 ct. Wipes | # 1100-0132**

Sold in cases of 6, priced individually.

## Oxygen Filling Systems

Filling your own oxygen cylinders can save you a significant amount of money and headaches: Cylinders can be filled for less than one dollar, and you don't have to wait for suppliers or worry about missing cylinders. However, many people think filling is complicated and systems are expensive. Here's some good news (for a change!) — Filling is easy and a lot less expensive than you think.

### How Does It Work?

When gas contained in a cylinder at high pressure is allowed to flow to another cylinder containing gas at a lower pressure, the pressures will equalize to a value somewhere between the two initial pressures. So, with a gas to gas system, the high pressure supply tanks have a higher pressure than the empty cylinders that are to be filled. A filler opens the first supply tank, allows the pressure in the two to equalize, then closes the first supply tank. The filler then opens the second cylinder, and allows it to equalize pressure. This continues down the bank of cylinders until the filling tank is full. This type of filling is sometimes called Cascade Filling.

### What Do I Need to Fill?

Not much! You'll need the system itself (which runs between \$2-\$3,000, depending on what size system you decide), a paramagnetic oxygen analyzer, and a few filling supplies (like labels, filling rack, valve seals, and lot stickers). Most gas to gas systems are wall mounted, so they have a small foot print. You'll need to register with the FDA, and do some training, which most reputable manufacturers provide in their system packages.

## Gas <sup>TO</sup> Gas



#### ✓ EASY MAINTENANCE

You only need to have gauges calibrated annually.  
(And Applied does it for you!)

#### ✓ SAVES SPACE

Applied's Gas to Gas System can be mounted to any wall and utilizes a mobile fill rack that doesn't require wall space.

#### ✓ FILL ANY SIZE CYLINDER

Fill E, M6, C, D Cylinders ... Whatever size your patient needs.

#### ✓ MOBILE FILL RACKS

Applied's Mobile Fill Racks allow you to expand your filling, as needed.

#### ✓ USE YOUR OWN TANKS

Purchase filled H or K tanks from your supplier for less — and fill your own patient cylinders.

#### Typical Cost from Supplier

Size	# / Week	Cost	Total
M6	75	\$3.00	\$225.00
E	10	\$3.00	\$30.00
D	10	\$3.00	\$30.00
C	5	\$3.00	\$15.00

**Total Cost / Week = \$300.00**

*Plus HazMat & delivery charges!*

#### Applied's Gas to Gas System

Size	# / Week	Cost	Total
M6	75	56¢	\$42.00
E	10	\$1.20	\$12.00
D	10	83¢	\$8.30
C	5	66¢	\$3.30

**Total Cost / Week = \$65.60**

**\* Save \$234.00 per week!**



# Liquid<sup>TO</sup> Gas



Applied's # OF-7000 shown

## ✓ EASY MAINTENANCE

You only need to have gauges calibrated annually.  
(And Applied does it for you!)

## ✓ INTERNAL PUMP + ACCESSIBLE MANIFOLDS

Start filling faster and use less gas. Manifolds on the front and side of the system allow you to fill continuously.

## ✓ FILL ANY SIZE CYLINDER

You can fill any size cylinder with Applied's # OF-700R & OF-7000 Liquid to Gas System.

## ✓ MOBILE FILL RACKS

Applied's Mobile Fill Racks allow you to expand your filling, as needed.

## ✓ BUY IN BULK

Save even more by purchasing bulk gas from your supplier.

### Typical Cost from Supplier

Size	# / Week	Cost	Total
M6	150	\$3.00	\$450.00
E	25	\$3.00	\$75.00
D	25	\$3.00	\$75.00
C	10	\$3.00	\$30.00

**Total Cost / Week = \$630.00**

### Applied's Liquid to Gas System

Size	# / Week	Cost	Total
M6	150	37¢	\$55.50
E	25	55¢	\$13.75
D	25	45¢	\$22.50
C	10	40¢	\$4.00

**Total Cost / Week = \$95.75**

*\* Save \$534.25 per week!*

Filling your own oxygen cylinders can save you a significant amount of money and headaches: Cylinders can be filled for less than \$1, and you don't have to wait for suppliers or worry about missing cylinders. Typically, an oxygen filler can pocket up to 2 dollars a cylinder or more by filling the cylinders themselves (a typical E cylinder fills for about 55 cents).

## How Does It Work?

Filling with a Liquid System is very simple! After purchasing your liquid oxygen in bulk, the system will warm the liquid, which builds pressure and changes the liquid into gas.

## What Do I Need to Fill?

In order to fill with a Liquid to Gas System, you will need the system itself, a paramagnetic oxygen analyzer, and filling supplies such as cryogenic safety materials (apron, gloves, face shield), along with labels, lot stickers, a cryogenic hose, and valve seals. Liquid to Gas Systems are usually about 3 ft x 5 ft, so they don't take up very much room. You will need to register with the FDA and complete required training yearly. All of which Applied provides to you when you purchase your system!

## What's the Difference Between Liquid to Gas and Gas to Gas?

Put simply — speed and cost. A Gas to Gas System is ideal for fillers who fill less than 100 cylinders a week. It's less expensive and can fill about 20 E's an hour. A Liquid to Gas System is ideal for fillers who fill more than 100 a week. It can fill 66 E's per hour, since you purchase liquid oxygen, you'll also get your oxygen supply for less.



## HME OXYGEN DELIVERY

### Outfit Your People. Outfit Your Vehicles.

US DOT, FDA & ACCREDITATION REQUIREMENTS

#### ALL DRIVERS

All drivers need the following training. Drivers of vehicles over 1000 lbs. also need a CDL and CDL training.



Training should be completed every 3 years and within 90 days of employment.

#### VEHICLES:

**WEIGHT = CONTENTS + CONTAINER**



##### Less than 1000 lbs.

Vehicles must have shipping papers and emergency response info on board.

# OF-1231 | **NAERG**

# OF-1199-1028 | **Tablet**



##### More than 1000 lbs.

In addition to the above, vehicles must have placarding on all 4 sides, fire extinguisher, 3 bi-directional triangles and spare fuses.

#### ALL PERSONNEL

All personnel who come into contact with oxygen should have oxygen safety training and accreditation.



##### JOB SPECIFIC TRAINING

# OF-112 OD

**Delivery 101 Online Class**

# OF-1290

**DOT in Plain English (Workbook)**

**Applied's Regional Seminars**



##### HAZMAT SAFETY

# OF-114 OD

**Oxygen 101 Online Class**

**Applied's Regional Seminars**



##### HAZMAT SECURITY

# OF-113 OD

**Hazmat Security Online Class**

**Applied's Regional Seminars**



##### OXYGEN SAFETY

# OF-114 OD

**Oxygen 101 Online Class**

**Applied's Regional Seminars**



##### FILLING PERSONNEL

The FDA considers anyone who transfers oxygen to be transfillers and requires specific, cGMP training. This is required on a "continuing" basis, about 2 times per year.



## FILLING-SPECIFIC TRAINING

### FDA cGMP Training

#### ALL FILLING PERSONNEL

Anyone who touches medical oxygen and could effect its purity must have cGMP training. Choose from any of the training on this page to help meet FDA requirements.



Training should be completed on a "frequent and continuing basis." Applied recommends training at least twice per year.



Attend our Regional Seminar to get everything in one day! ... OR subscribe to a 12-month Subscription to: "Filling On Demand", "Delivery On-Demand", "Quality 101", and "FDA Audits".



Have 2 or more employees that need training? Ask about On-Demand online subscriptions!

**12 Months...**  
**Unlimited Course Views...**  
**Unlimited Employees!**



#### CONTACT US:

**888-327-7301**  
[applied-inc.com/i-need-training](http://applied-inc.com/i-need-training)



#### OXYGEN SAFETY

# OF-114 OD | **Oxygen 101 Online Class**

# OF-1019D | **Oxygen Safety (DVD)**

**Applied's Regional Seminars**



#### FDA cGMP TRAINING

# OF-111 OD | **Filling 101 Online Class**

# OF-116 OD | **Liquid 101 Online Class**

# OF-118 OD | **FDA Audits Seminar**

# OF-115 OD | **Servomex 5200**

# OF-157 OD | **Servomex 570A/572/575**

# OF-1600 | **cGMP Workbook**

# OF-1550 | **Liquid to Gas Oxygen (DVD)**

# OF-1500 | **Gas to Gas Oxygen (DVD)**

**Applied's Regional Seminars**



#### HAZMAT SECURITY

# OF-113 OD

**Hazmat Security Online Class**



#### QUALITY TRAINING

# OF-200

**Quality 101 Online Class**



#### DELIVERY TRAINING

# OF-112 OD | **Delivery 101 Online**

# OF-116 OD | **Liquid 101 Online**

# OF-1290 | **DOT in Plain English**

## Spec Gases

While transfilling oxygen gas all manufacturers are required to use a paramagnetic oxygen analyzer to determine the identity and strength of the gas. Prior to using the analyzer it must be calibrated to manufacturer's requirements. In order to calibrate these analyzers the manufacturers require the use of specified (spec) or calibration gases that will provide the analyzer with a benchmark to compare to.

Spec gases should include a COA (Certificate of Analysis) from the supplier of the gas. The COA should include the actual results of purity of the gas when analyzed by the supplier. When introducing gas from the spec gas cylinder into the analyzer be sure to use a low pressure regulator that limits the flow of gas to less than 10 psi.

The common analyzer brands that are used in the compressed gas industry are Servomex and Oxigraf. The specific spec gas requirements for each analyzer are shown below.

### Servomex

**NITROGEN certified:** This gas is used to calibrate and adjust the low (zero) setting on the analyzer.

# **SG-200R:** Nitrogen Specialty Gas  
Aluminum E Cylinder **CGA-580**

# **SG-300-1R:** Nitrogen Specialty Gas (Purging ONLY)  
Aluminum E Cylinder **CGA-580**

**OXYGEN certified:** This gas is used to calibrate and adjust the high (span) setting on the analyzer.

# **SG-100-1R:** Oxygen Specialty Gas  
Aluminum E Cylinder **CGA-540**

### Oxygen Air Mix Certified

**OXYGEN mixture:** This gas is used to calibrate the analyzer.

# **SG-400:** Oxy/Air Mix Calibration Gas

(Note: This gas comes in a cylinder with a CGA-950 post valve; use PN 1100-9968 to connect to CGA 346 regulator)



# **OF-940** Servomex Model 5200 Analyzer

# **OF-936** Applied Annual Service "A+"

## Leak Testing Solution

Used in checking for leaks during filling and post fill leak testing. Can be used to detect oxygen leaks almost anywhere. Meets MIL-PRF-25567E specifications for oxygen compatibility.

**8 oz. Bottle**  
# **1109-1022**

**32 oz. Spray Bottle**  
# **1109-1024**

**1 Gallon Bottle**  
# **1109-1023**









# Calibration Requirements

## Calibrating Oxygen Equipment

Don't forget you need to document all calibration! Use the list below to check your equipment. Call Applied to get your equipment calibrated to NIST standards: **888-327-7301**. **Yearly calibration reminders included.**

Vacuum Gauges	Thermometers	High Pressure Gauges	Servomex
			
Calibrate Every Fill Day <input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Calibrate Annually <input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/> *
Rec. Standard <b>NIST</b>	<b>NIST</b>	<b>NIST</b>	<b>Manufacturer</b>

Low pressure gauges and flow meters used in liquid to liquid do not require calibration.

\*Specifically, according the manufacturer's recommendations. Most manufacturers recommend annual calibration.

Applied can calibrate your equipment, or send you new and calibrated equipment. Applied calibrates all equipment to NIST standards, labels it with statement of certification and includes certificate of calibration.

### Send Us Your Equipment:

**Vacuum Gauge**  
# 1120-0058V

**Thermometer**  
# 1120-0058TH

**High Pressure Gauge**  
# 1120-0058HP

**Servomex**  
# OF-936

### Get NEW Equipment:

**Vacuum Gauge**  
# 1110-0420C

**Thermometer**  
# 1108-0115-1C

**High Pressure Gauge**  
# 1120-0057C

**Servomex**  
# OF-940

## Valve Seals, Washers, Tags, and Accessories



# 1109-0068

Part Number	Description
# 1109-0068	Nylon® yoke washers. Fits popular regulators and yoke connections.



# 1109-0070

# 1109-0070	White Tefzel® yoke washers. Fits popular regulators and yoke connections. Retained by most oxygen post valve.
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# 1109-1017

# 1109-1071	White push-on yoke washers. Fits popular regulators and yoke connections. Retained by most oxygen post valve.
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# 1109-1017	Brass and Viton® composite yoke washers. Fits popular regulators and yoke connections. Seals easily with minimum hand pressure. Ideal for elderly patients.
-------------	---

# 1109-1072	Nylon® yoke washers. Fits popular regulators and yoke connections. Retained by most oxygen yokes or regulators.
-------------	---



# 1109-0007

# 1109-0007	Tags: full, in-use, empty. White. Secures to cylinder with elastic string. Fits all popular medical cylinders.
-------------	--

# 1109-5559	Valve. CGA-870 (post valve), chrome plated with toggle. For aluminum cylinders only: M6, C, D, E. 3/4"-16.
-------------	--



# 1109-5559S

# 1109-5559S	Valve. CGA-870 (post valve), chrome plated without toggle. For aluminum cylinders only: M6, C, D, E. 3/4"-16.
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# 1109-5560	Valve. CGA-870 (post valve), chrome plated with toggle. For steel cylinders only. 1/2" NGT.
-------------	---

# 1109-5558A	Teflon O-ring seal for cylinder post valves. For aluminum cylinders.
--------------	--



# 1109-5558A

# 1109-5546A	Teflon O-ring seal for cylinder post valves. For aluminum cylinders with 1 1/8" post valves (CGA-540).
--------------	--



# 1109-5571



# 1109-5580



# 1109-5582



# 1100-9923



# 1100-9930

Part Number	Description
# 1109-5551	Screw-type toggle for post valves. Comes with toggle and screw.
# 1109-5571	E wrench for opening or closing popular medical post valves.
# 1109-5580	Metal valve wrench, CGA-870.
# 1109-5581	Metal valve wrench, CGA-540.
# 1109-5582	Quick-turn socket tool for valves. 3/8".
# 1109-5589	E wrench with chain, for opening or closing popular medical post valves. 3/8".
# 1109-9921	Locktite® 271. For thread sizes up to 1".
# 1109-9922	Locktite® 272. For thread sizes up to 1 1/2".
# 1100-9923	Christo-Lube®. Lubricant for oxygen components.
# 1100-9930	Krytox®. Lubricant for oxygen components.
# 1100-9924	Lox 8 Lube®. Lubricant for oxygen components.

## Oxygen Fittings and Connections



# 1109-1014



# 1109-1014H



# 1109-1018



# 1109-1018H



# 1109-9932-1

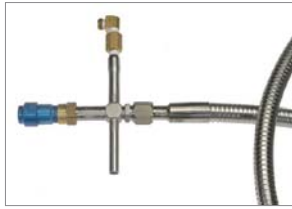


# 1110-0514H

Part Number	CGA	Gas Service	Inlet	Cylinder	Description
# 1109-1010	540	Oxygen	CGA-540	H, J, K, L, T, etc.	CGA-540 connection
# 1109-1014	870	Medical Oxygen	1/4" NPT	A, B, C, D, E, M6	Yoke, oxygen, chrome-plated on pigtail, 1/4"
# 1109-1014H	870	Oxygen	1/4" NPT	A, B, C, D, E, M6	CGA-870 yoke with large hand knob on pigtail, 1/4"
# 1109-1018	870	Oxygen	1/2" NPT	A, B, C, D, E, M6	CGA-870 yoke for manifold connections on manifold, 1/2"
# 1109-1038	870	Oxygen	1/2" NPT	A, B, C, D, E, M6 Heavy Duty	CGA-870 yoke for manifold connections on manifold, 1/2"
# 1109-1018H	870	Oxygen	1/2" NPT	A, B, C, D, E, M6	CGA-870 yoke for manifold connections with large hand knob on manifold, 1/2"
# 1109-9913	960	Nitrogen	1/4" NPT	A, B, C, D, E, M6	Yoke, nitrogen, brass 2 1/2"
# 1109-9914	540	Oxygen	Nipple	H, J, K, L, T, etc.	Nut, oxygen, brass, 2 1/2"
# 1109-9916	540	Oxygen	1/4" NPT	H, J, K, L, T, etc.	Nipple, oxygen, brass, 2 1/2"
# 1109-9920	All yokes	All yokes	N/A	A, B, C, D, E, M6	Large hand grip yoke screw
# 1109-9931-1	870	Oxygen	1/4" NPT	A, B, C, D, E, M6	Yoke, oxygen, quick connector for pigtails and inverted racks
# 1109-9935	870	Oxygen	N/A	A, B, C, D, E, M6	Replacement washer for quick connector: 1109-9931-1, 1109-9932-1
# 1109-9923	540	Oxygen	CGA-540 Nipple	H, J, K, L, T, etc.	Large hand grip for CGA-540
# 1109-9924	540	Oxygen	CGA-540 Nut	H, J, K, L, T, etc.	CGA-540 soft tip nipple
# 1109-9926	580	Nitrogen	Nipple	H, J, K, L, T, etc.	Nut, nitrogen, brass
# 1109-9932-1	870	Oxygen	1/2" NPT	A, B, C, D, E, M6	Quick connector, yoke, oxygen
# 1110-0514	540 / 870	Medical Oxygen	1/4" NPT CGA-540	A, B, C, D, E, M6	Yoke, oxygen adapter
# 1110-0514H	540 / 870	Medical Oxygen	1/4" NPT	A, B, C, D, E, M6	Yoke, oxygen adapter with hand knob



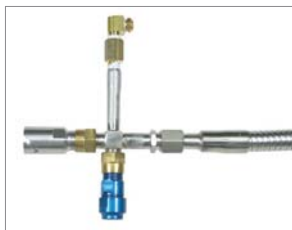
# Cryogenic Filling Adapters



# 0900-0555



# 0900-0550



# 0900-0571



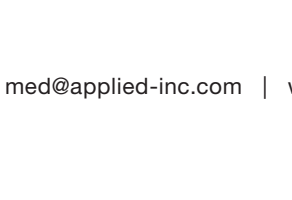
# 0900-0559



# 0900-0575



# 0900-0573



# 0900-0572

Part Number	Description
# 0900-0555	Single Fillhead: PB® single fill adapter with pressure relief and PB® filling head.
# 0900-0058	Single Fillhead: Caire® single fill adapter with pressure relief and Caire® filling head.
# 0900-0557	Single Fillhead: Linde® single fill adapter with pressure relief and Linde® filling head.
# 0900-0570	Single Fillhead: Penox® single fill adapter with pressure relief and Penox® filling head.
# 0900-0550	Double Fillhead: PB®/Caire® double fill adapter with pressure relief and PB®/Caire® filling heads.
# 0900-0551	Double Fillhead: PB®/Linde® double fill adapter with pressure relief and PB®/Linde® filling heads.
# 0900-0571	Double Fillhead: PB®/Penox® double fill adapter with pressure relief and PB®/Penox® filling heads.
# 0900-0572	Double Fillhead: Penox®/Caire® double fill adapter with pressure relief and Penox®/Caire® filling heads.
# 0900-0559	Triple Fillhead: PB®/Caire®/Linde® triple fill adapter with pressure relief and PB®/Caire®/Linde® filling heads.
# 0900-0573	Triple Fillhead: PB®/Caire®/Penox® triple fill adapter with pressure relief and PB®/Caire®/Penox® filling heads.
# 0900-0574	Triple Fillhead: PB®/Penox®/Linde® triple fill adapter with pressure relief and PB®/Penox®/Linde® filling heads.
# 0900-0575	Triple Fillhead: PB®/Caire®/Linde® with safety relief "T".
# 0900-0576	Triple Fillhead: PB®/Caire®/Penox® with safety relief "T".
# 0900-0577	Triple Fillhead: PB®/Linde®/Penox® with safety relief "T".

## Cryogenic Filling Accessories



# 0900-0531



# 0900-0600



# 0900-0255



# 0900-0256



# 0900-0421



# 0900-0423

Part Number	Description
# 0900-0594	Tip Protector for PB® fillhead with chain.
# 0900-0595	Tip Protector for Caire® fillhead with chain.
# 0900-0590	Replacement PB® fillhead.
# 0900-0591	Replacement Caire® fillhead.
# 0900-0592	Replacement Linde® fillhead.
# 0900-0593	Replacement Penox® fillhead.
# 0900-0531	Safety Relief "T". Used to help prevent a rupture in a case where liquid is trapped in a hose.
# 0900-0508	In-line Blow Down. Helps remove gas pressure in line before filling.
# 0900-0532	Candy Cane for vent. Moves pressure relief to a different location.
# 0900-0410	"Y" Adaptor with relief valve. Allows driver to fill two home units at one time.
# 0900-0511	CGA-440 Swivel. Cryogenic swivel used to eliminate hose twists and kinks when filling or making connections.
# 0900-0300	Cryogenic 90° elbow. Used to reduce line stress and help eliminate chatter with transfer hose.
# 0900-0600	Cryo-Scale. Used when filling cryo-home units to measure when a container is filled.
# 0900-0411	CGA 440 x CGA 440, female connector.
# 0900-0255	Cryo-Hose cap with tab. Helps keep dirt/contaminants and moisture from damaging hose and equipment.
# 0900-0256	Thread in plastic Cryo-Hose cap. Helps protect against dirt, contaminants and moisture. Thread in application.
# 0900-0421	Cryo-Hose cap. Soft push in hose cup for easy application.
# 0900-0423	Metal Cryo-Hose cap. Durable hose cap to help protect against dirt, contaminants and moisture.

# Cryogenic Safety Equipment



# 0900-0130



# 0900-0010



# 0900-0161



# 0900-0100



# 0900-0020



# 0900-0582

Part Number	Description
# 0900-0130	Cryogenic gloves. Helps protect hands from frostbite. Size = L
# 0900-0162	Cryogenic gloves. Helps protect hands from frostbite. Size = XL
# 0900-0010	Natural leather gloves.
# 0900-0161	Cryogenic apron. Helps protect body from frostbite / liquid spray. 25" long.
# 0900-0140	Cryogenic apron. Helps protect body from frostbite / liquid spray. 42" long.
# 0900-0030	Natural leather apron. 24" x 36"
# 0900-0100	Face shield. Helps protect face from frostbite. Available as separate pieces: # 0900-0102, Head gear only with adjustable lock # 0900-0110, Clear shield only
# 0900-0020	Safety glasses. Helps protect eyes from frostbite.
# 0900-0120	Ear plugs. Helps protect ears while filling.
# 0900-0582	Stainless steel spill pan. Used to help catch any spills when filling home units. Helps avoid reaction with anything that may be on ground. Do not fill liquid oxygen on asphalt. 22" x 22" x 1"
# 0900-0141	Red cryogenic gloves. Cotton poly outer shell. Size = L
# 0900-0131	Red cryogenic apron. Cotton poly outer shell. 42" long.

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