



# Medical Products

Quality Without Compromise



## WESTERN

a Scott Fetzer company

Global Gas Management Technology

Enterprises | Innovator | **Medica** | Westwinds

[www.westernenterprises.com](http://www.westernenterprises.com)



**WESTERN**

a **Scott Fetzer** company

Global Gas Management Technology

# Our Mission

To fulfill the global demand for gas management solutions by anticipating market needs, engineering quality products & fully supporting our customers, employees and community

# Our Vision

Be the global leader in innovative solutions for gas control technology, providing market development and growth opportunities for our customers and strategic partners.

For 60 years, Western has been supplying innovative solutions in gas management systems to the industrial, medical and helium gas markets.

This catalog provides a comprehensive source of information on Western's line of products used in the control, transmission and storage of compressed gases for medical and other related applications. Product descriptions include information on available gas services, sizes, operating pressures, applications and optional features, as appropriate. Additional information is available through Western's customer service department at 1-800-783-7890.

In conjunction with other applications, Western products

can co-mingle with the requirements of various related agencies (as listed below).

Western manufactures products under the stringent controls to assure that safe products are delivered to the marketplace. Users of Western products must adhere to the instructions provided with certain products. For more information on the safe handling and proper installation of compressed gas equipment, contact the following agencies or Western's customer service department.

#### Compressed Gas Association

14501 George Carter Way  
Suite 103  
Chantilly, VA 20151  
703-788-2700  
[www.cganet.com](http://www.cganet.com)

#### U.S. Food & Drug Administration

10903 New Hampshire Avenue  
Silver Springs, MD 20993  
1-888-INFO-FDA

#### National Fire Protection Association

1 Batterymarch Park  
Quincy, MA 02169  
1-800-344-3555  
[www.nfpa.org](http://www.nfpa.org)

#### OSHA

Occupational Safety  
& Health Administration  
200 Constitution Ave. NW  
Washington, DC 20210  
1-800-321-OSHA  
[www.osha.gov](http://www.osha.gov)

#### Underwriter Laboratories Incorporated

333 Pfingsten Road  
Northbrook, IL 60062-2096  
1-877-UL HELPS  
[www.ul.com](http://www.ul.com)

For more information on Western's other product portfolios, contact Customer Service at 1-800-783-7890.

[www.westernenterprises.com](http://www.westernenterprises.com)

- **INDUSTRIAL EQUIPMENT PORTFOLIO** High quality industrial equipment including regulators, flowmeters, CGA fittings, adaptors, flash arrestors, pigtails, hotspotters and other brass and stainless steel components.
- **MANIFOLD AND SPECIALTY GAS PORTFOLIO** Gas manifold systems for industrial, medical and specialty gas applications, alarms, pressure regulators, station drops and replacement parts.
- **INFLATION EQUIPMENT PORTFOLIO** High quality helium equipment including inflators, filling stations, cylinders, manifolds, accessories and replacement parts.

## ISO 9001/ISO 13485 REGISTERED QUALITY SYSTEM

Western Enterprises is committed to defect free products, on time delivery, continuous product improvement, and customer satisfaction. Western's Quality Management System is certified to both ISO 9001 and ISO 13485 standards. We are also registered with the FDA, and also meet the stringent requirements set forth by the Compressed Gas Association (CGA). With Western, our integrity is never in question when it comes to quality.

**Disclaimer:** This catalog is for informational purposes. Specific information regarding the use of these products is contained in the Operating Instructions provided with certain products. Western Enterprises is constantly improving our products, therefore we reserve the right to make changes in specifications without notice. All images contained in this catalog represent a version of the indicated products.



### **E-MAIL/INTERNET**

Send orders via e-mail to [customerorders@westernenterprises.com](mailto:customerorders@westernenterprises.com)  
Your order will be processed.

### **EDI**

Electronic Data Interchange (EDI) can reduce your cost of doing business. Our in-house staff will be happy to work with you to create a custom solution. Call 800-783-7890 for more information.



### **PHONE 800-783-7890**

Press #1 to speak with a Western representative.

Please have your:

- Account number
- Part numbers, price and purchase order number
- Name of contact to answer any questions
- Special shipping instructions

### **BUSINESS HOURS**

8:00 AM – 5:00 PM EST  
Monday through Friday

### **ORDERING**

Minimum order: \$150  
Freight Prepaid: \$1,250 (excluding manifolds)



## OXYGEN REGULATORS

OxyTOTE NG Portable Oxygen System .....	6-7
Compact Click-Style Oxygen Regulators .....	8
OctiFlo <sub>2</sub> ™ Portable Emergency Oxygen Manifold and Accessories .....	9
Single & Dual Stage Flow Gauge Oxygen Regulators .....	10



## OXYGEN & OTHER GAS REGULATORS

Adjustable Pressure Regulators .....	11
Single Stage Preset Regulators .....	12
Flowmeter Regulators .....	13
Clinical Adjustable Pressure Regulators .....	14
Laboratory Style Regulators .....	15
Breathing Mixture Regulators .....	16
Magnetic Resonance (MR) Conditional Regulators .....	17



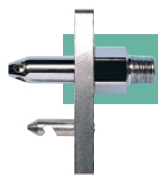
## CYLINDERS & ACCESSORIES

Oxygen Cylinders and Accessories .....	18-19
Cylinder Bags and Related Equipment .....	20-21
Cylinder Carts, Racks and Stands .....	22-23



## FLOWMETERS

Oxygen Flowmeters .....	24-25
Flowmeters (other gases) .....	26



## QUICK CONNECTS

Oxygen Quick Connects .....	27
Medical Air Quick Connects .....	28
Nitrous Oxide Quick Connects .....	29
Suction Quick Connects .....	30



## OTHER RELATED EQUIPMENT OXYGEN ONLY

DISS Nuts, Nipples, Body Adaptors & Other .....	31-32
Demand, Check & Reverse Flow Valves .....	33
Gauges & Orifices Equipment .....	34
High Pressure Fittings & Pigtails .....	35
High Pressure Yokes, Post Valves & Accessories .....	36

## OTHER GASES

DISS Nuts, Nipples & Body Adaptors .....	37-38
Tapered Pipe Thread Fittings .....	39
Barb Hose Fittings, Ferrules & Crimpers .....	40
Demand Valves, Check Valves & Reverse Flow Valves .....	41-42
Medical Yokes (all gases except oxygen) .....	43
High Pressure Fittings .....	44
High Pressure Cylinder Connections .....	45

## GAUGES & ACCESSORIES

Gauges .....	46
Oxygen Dual Y-Demand Valve Couplers .....	47
Dual Y-Connections .....	48
Medical Hose & Accessories .....	49-50

## INDEX

CGA Gas Assignments Chart .....	50
Index by Part Number .....	52-53



## OxyTOTE NG System Advantages

Western designed the Next Generation Integrated Valve Regulator, the OxyTOTE NG, to meet the demands of both EMS emergency services as well as in-hospital patient transport. It is small, lightweight, and ergonomically designed. Every aspect of its intended use was carefully considered during the design process, including its length, which allows the OxyTOTE NG to fit into most EMS duffel bags as well as horizontally on most hospital gurneys.

The OxyTOTE NG's SureClick™ feature locks in oxygen flow with accuracy. The high impact shroud protects the regulator, gauge, and hose barb from accidental damage.

### Features

- Regulator and cylinder valve integrated into one unit
- User can initiate flow in two easy steps
- Compact design with all brass body
- Built-in Safety Burst Disk prevents over pressurization
- 1½" diameter oxygen content gauge continuously indicates cylinder pressure
- CGA-540 Fill Port with Safety Check Valve
- Filtration throughout for maximum safety and reduced particle contamination
- Protective shroud ensures safety and lasting performance
- 50 PSI DISS Demand Valve Outlet
- 5 yr limited warranty

### OxyTOTE NG Regulator Specifications

(OxyTOTE NG Regulator only)

Size	5.240" x 4.375" (5.989" x 4.375" including threads)
Weight	2.14 lbs.
OxyTOTE NG Flow* (LPM)	0.5, 1, 1.5, 2, 3, 4, 6, 8, 10, 15, 25

\*The 80X Series excludes 8 LPM flow setting.

## OxyTOTE NG Regulator Features (Standard Version)

High impact polycarbonate material protects regulator and components.

SureClick™ feature reduces the risk of positioning the Flow Selector between the discrete click flow settings, providing worry free operation to EMTs and clinicians.

Integrated brass regulator assembly incorporates cylinder valve and flow control regulator into a single unit. Units are refilled through a CGA-540 fill port on back of regulator body.

Easy-to-read 1.5" oxygen content gauge is always active.

Permanently assembled onto a lightweight aluminum cylinder.



Small Shroud with built in handle for portability. Will fit into tight spaces and most EMS bags.

The Flow Selector knob is simple to operate and read, with 11 discrete flow rates from 0.5-25 LPM, plus AUX.

The tapered hose barb outlet for attaching cannula is recessed for protection against damage.

The On/Off Knob has been redesigned. Light gray color is more visible inside of EMS bags and in low light areas.

**OXYTOTE NG**  
With DISS 1240 port

## OxyTOTE NG System Advantages

Part#	Description
<b>MNR-600</b>	OxyTOTE NG regulator head only, with DISS Demand Outlet, 3/4"-16UNF thread (aluminum cylinder) <sup>1</sup>
<b>MNR-800</b>	OxyTOTE NG regulator head only, with DISS Demand Outlet, 3/4"-16UNF thread (aluminum cylinder). No shut off valve <sup>1</sup>
<b>MNS-602</b>	OxyTOTE NG system includes D size aluminum cylinder <sup>1</sup>
<b>MNS-603*</b>	OxyTOTE NG system includes E size aluminum cylinder <sup>1</sup>
<b>MNS-802</b>	OxyTOTE NG system includes D size aluminum cylinder. No shut off valve <sup>1</sup>
<b>MNS-803*</b>	OxyTOTE NG system includes E size aluminum cylinder. No shut off valve <sup>1</sup>
<b>PX-1044</b>	Humidification Attachment Sleeve
<b>PX-1045</b>	Humidification Hose

\*MR Conditional for use 1.5 ft. or more outside of the bore of an MR machine under the following conditions: Static magnetic field of 3.0 Tesla or less and a spatial gradient field of 720 gauss/cm or less.

## OxyTOTE NG – The Next Generation of Portable Oxygen Delivery Systems

Finally, an oxygen delivery system that operates as easy and quickly as you do. OxyTOTE NG delivers oxygen in two easy steps. No hassles with wrenches, washers or attachments – just a simple way for you to do your job and ensure your patient is getting the care they need quickly and efficiently.

**Confidence** – Designed and manufactured within a quality system registered to both ISO9001 and ISO13485 ensures OxyTOTE NG's performance, longevity, and total satisfaction.

**Made in USA** – OxyTOTE NG is manufactured and assembled in Westlake, OH.



**OxyTOTE NG PX-1044**  
with optional humidification attachment.



### OXYTOTE SYSTEM SPECIFICATIONS

	<b>MNS-602</b>	<b>MNS-603</b>
Cylinder Size	425 liter "D" Aluminum	679 liter "E" Aluminum
System Size	21-5/8" H x 4-1/2" W	30-5/8" H x 4-1/2" W
System Weight	7.4 lbs.	9.8 lbs.
Regulator Flow (SLPM)	1/2 - 25	1/2 - 25



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# COMPACT CLICK-STYLE OXYGEN REGULATORS

Designed for pediatric, homecare, hospital and emergency applications where durability and accuracy matter.

## OPA SERIES FEATURES:

- Accurate Click-Style flow control
- Maximum inlet pressure 3000 PSI
- Sintered filter for additional safety and to extend regulator life
- Internal reseating relief valve protects against over-pressurization
- 1-1/2" diameter gauge
- Tapered hose barb outlet
- 2 year limited warranty
- Durable compact aluminum body

## OPA SERIES COMPACT REGULATORS

Part #	Flow Settings
<b>CGA-870 Yoke</b>	
<b>OPA-810</b>	1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1-1/2, 2 LPM <sup>1</sup>
<b>OPA-820</b>	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM <sup>1</sup>
<b>OPA-840</b>	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM <sup>1</sup>
<b>OPA-850</b>	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM <sup>1</sup>
<b>CGA-540 Nut and Nipple – Handtight</b>	
<b>OPA-510</b>	1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1-1/2, 2 LPM <sup>1</sup>
<b>OPA-520</b>	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM <sup>1</sup>
<b>OPA-540</b>	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM <sup>1</sup>



**OPA-840**

Compact Click-Style Regulator with CGA-870 Yoke Inlet



**OPA-520**

Compact Click-Style Regulator with handtight CGA-540 Nut and Nipple Inlet

## EXTENDED CLICK-STYLE REGULATORS

### OPL SERIES FEATURES:

- Same as OPA Series PLUS:
- Extended body with DISS 1240 outlet for use with a humidifier bottle

### OPL SERIES EXTENDED REGULATORS

Part #	Flow Settings	Outlet Connection
<b>CGA-870 Yoke</b>		
<b>OPL-821</b>	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM <sup>1</sup>	DISS 1240



**OPL-821**

Extended Click-Style Regulator with DISS 1240 Outlet Connection (shown with humidifier bottle) not available from Western

## WESTERN MINI OXYGEN REGULATORS

Western Mini Oxygen Regulators are everything you need for homecare in the smallest, lightest, most affordable regulator we've ever made!

### FEATURES:

- Click-Style flow control for ease of use
- Compact and lightweight aluminum body to aid portability
- Brass high-pressure insert to assure safety
- Sintered filter for additional safety and to extend regulator life
- 1-1/2" diameter gauge is easy to read
- Maximum inlet pressure 3000 PSI
- Available in CGA-870 yoke style only
- 1 year limited warranty

Part #	Flow Settings	Outlet Connection
<b>MLR-115</b>	1/4, 1/2, 1, 1-1/2, 2, 3, 4, 5, 6, 7, 8, 10, 15 <sup>1</sup>	1/4" OD hose barb



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## OCTI-FLO<sub>2</sub><sup>TM</sup> Portable Emergency Oxygen Manifold



MDM-8

### OCTI-FLO<sub>2</sub> Portable Emergency Oxygen Manifold<sup>1</sup>

- Used for mass casualty, EMS, and triage situations
- Oxygen delivery for up to 8 patients
- Flowmeters are individually controlled
- 8 easy-to-read Click-Style flowmeters from 0-25 lpm
- Pressure gauge on manifold
- Standard DISS 1240 inlet and a 100 PSI relief valve safety feature
- Lightweight and compact durable aluminum construction
- 4 Cannulas, 8 breathing masks, and compact carrying case included
- Affordable high quality craftsmanship for years of dependable service
- 2 year limited warranty

### Optional Components to Complete the Emergency Oxygen Delivery System<sup>1</sup>

- 0-100 PSI Regulator
- DISS 20' Oxygen Hose



M1-540-PG  
(0-100 PSI)



C40X-240FHTFHT  
(Oxygen medical hose)

### Accessories for Other EMS Applications<sup>1</sup>

- Wrenches
- Replacement Parts
- Washers
- T-handles
- Post Valves

#### MCW - 2BC



MCW - 3P



2544-2



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# SINGLE & TWO-STAGE OXYGEN FLOW GAUGE REGULATORS

## FEATURES:

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauges
- 6 year limited warranty

## COMPACT MODELS (MR SERIES)

- Single-stage with CGA-870 swivel yoke to add convenience for orientation
- 1-1/2" diameter gauges

## TWO STAGE MODELS:

- Two stage design for applications where flow control accuracy is critical such as calibration and testing



## HELPFUL TIPS

First stage reduces high pressure to 170 PSI; second stage reduces to provide greater accuracy at lower flow settings



**M1-870-15FG**

Single-Stage Regulator with CGA-870 Connection



**M2-540-15FG**

Two-Stage Regulator with CGA-540 Connection

MODEL #	FLOW RANGE	INLET
<b>SINGLE-STAGE</b>		
<b>M1-870-5FG</b>	1/2-5 LPM	Yoke <sup>1</sup>
<b>M1-540-8FG</b>	1-8 LPM	Nut and Nipple <sup>1</sup>
<b>M1-540-15FG</b>	2-15 LPM	Nut and Nipple <sup>1</sup>
<b>M1-870-15FG</b>	2-15 LPM	Yoke <sup>1</sup>
<b>MR-870-15FG</b>	2-15 LPM	Yoke <sup>1</sup>
<b>PEDIATRIC SINGLE STAGE</b>		
<b>M1-540-PED3</b>	1/32- 1/2 LPM	Nut and Nipple <sup>1</sup>
<b>M1-870-PED3</b>	1/32- 1/2 LPM	Yoke <sup>1</sup>
<b>M1-540-PED</b>	1/8-1 LPM	Nut and Nipple <sup>1</sup>
<b>M1-870-PED</b>	1/8-1 LPM	Yoke <sup>1</sup>
<b>MR-870-PED</b>	1/8-1 LPM	Swivel Yoke <sup>1</sup>
<b>TWO-STAGE</b>		
<b>M2-540-15FG</b>	2-15 LPM	Nut and Nipple <sup>1</sup>



<sup>1</sup> **⚠️WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# SINGLE-STAGE ADJUSTABLE DELIVERY PRESSURE REGULATORS



## M1-910-PG

Single-Stage Adjustable Regulator  
with CGA-910 Yoke



## M1-326-PGH

Single-Stage Adjustable Regulator  
with CGA-326 Handtight Nut



## M1-500-PG

### FEATURES:

- Chrome-plated brass with all brass high-pressure chamber
- Maximum inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauges
- Dual scale: PSI and kPa
- Outlets are DISS gas specific
- 6 year limited warranty

### ADJUSTABLE SINGLE-STAGE MODELS

GAS/MODEL	DELIVERY PRESSURE	CGA INLET CONNECTION
<b>CARBON DIOXIDE</b>		
<b>M1-320-PG</b>	0 - 100 PSI	320-Nut and Nipple <sup>1</sup>
<b>M1-320-PGH</b>	0 - 100 PSI	320-Handtight Nut and Nipple <sup>1</sup>
<b>M1-940-PG</b>	0 - 100 PSI	940-Yoke <sup>1</sup>
<b>NITROUS OXIDE</b>		
<b>M1-326-PG*</b>	0 -100 PSI	326-Nut and Nipple <sup>1</sup>
<b>M1-326-PGH*</b>	0 -100 PSI	326-Handtight Nut and Nipple <sup>1</sup>
<b>M1-910-PG*</b>	0 -100 PSI	910-Yoke <sup>1</sup>
<b>MEDICAL AIR</b>		
<b>M1-346-PG</b>	0 -100 PSI	346-Nut and Nipple <sup>1</sup>
<b>M1-346-PGH</b>	0 -100 PSI	346-Handtight Nut and Nipple <sup>1</sup>
<b>M1-950-PG</b>	0 -100 PSI	950-Yoke <sup>1</sup>
<b>OXYGEN</b>		
<b>M1-540-PG</b>	0 -100 PSI	540-Nut and Nipple <sup>1</sup>
<b>M1-540-PGH</b>	0 -100 PSI	540-Handtight Nut and Nipple <sup>1</sup>
<b>M1-870-PG</b>	0 -100 PSI	870-Yoke <sup>1</sup>
<b>NITROGEN</b>		
<b>M1-580-PG</b>	0 -100 PSI	580-Nut and Nipple <sup>1</sup>
<b>M1-960-PG</b>	0 -100 PSI	960-Yoke <sup>1</sup>
<b>HELIUM</b>		
<b>M1-930-PG</b>	0 -100 PSI	930-Yoke <sup>1</sup>
<b>MIXTURES</b>		
<b>M1-500-PG</b>	0 -100 PSI	500-Nut and Nipple <sup>1</sup>
<b>M1-500-PGH</b>	0 -100 PSI	500-Handtight Nut and Nipple <sup>1</sup>

\*1000 PSI gauge color – coded blue  
See full CGA chart in back of catalog.

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# SINGLE-STAGE PRESET REGULATORS

## FEATURES:

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauges
- 50 PSI preset output
- 6 year limited warranty

### M1A PRESET WITH HORIZONTAL OUTLET

### M1 PRESET WITH 90° OUTLET

GAS/MODEL		CGA	CGA INLET
<b>OXYGEN</b>			
<b>M1A-540-P</b>	<b>M1-540-P</b>	540	Nut and Nipple <sup>1</sup>
<b>M1A-540-PH</b>	<b>M1-540-PH</b>	540	Handtight Nut and Nipple <sup>1</sup>
<b>M1A-870-P</b>	<b>M1-870-P</b>	870	Yoke <sup>1</sup>
<b>N/A</b>	<b>MR-870-P</b>	870	Yoke (Compact Model) <sup>1</sup>
<b>CARBON DIOXIDE</b>			
	<b>M1-320-P</b>	320	Nut and Nipple <sup>1</sup>
<b>M1A-940-P</b>	<b>M1-940-P</b>	940	Yoke <sup>1</sup>
<b>NITROUS OXIDE</b>			
	<b>M1-326-P</b>	326	Nut and Nipple <sup>1</sup>
<b>M1A-910-P</b>	<b>M1-910-P</b>	910	Yoke <sup>1</sup>
<b>MEDICAL AIR</b>			
<b>M1A-346-P</b>	<b>M1-346-P</b>	346	Nut and Nipple <sup>1</sup>
<b>M1A-346-PH</b>	<b>M1-346-PH</b>	346	Handtight Nut and Nipple <sup>1</sup>
<b>M1A-950-P</b>	<b>M1-950-P</b>	950	Yoke <sup>1</sup>
<b>NITROGEN</b>			
	<b>M1-580-PH</b>	580	Handtight Nut and Nipple <sup>1</sup>
	<b>M1-580-P</b>	580	Nut and Nipple <sup>1</sup>
	<b>M1-960-P</b>	960	Yoke <sup>1</sup>
<b>MEDICAL GAS MIXTURES</b>			
	<b>M1-280-P</b>	280	Nut and Nipple <sup>1</sup>
	<b>M1-500-P</b>	500	Nut and Nipple <sup>1</sup>
	<b>M1-500-PH</b>	500	Handtight Nut and Nipple <sup>1</sup>
	<b>M1-890-P</b>	890	Yoke <sup>1</sup>
<b>MEDICAL HELIUM</b>			
	<b>M1-580A-PH</b>	580	Handtight Nut and Nipple <sup>1</sup>

See full CGA chart on inside back cover.



### M1A-540-P

Single-Stage Preset Regulator with CGA-540 Nut & Nipple Inlet with Horizontal Outlet



### M1-540-P

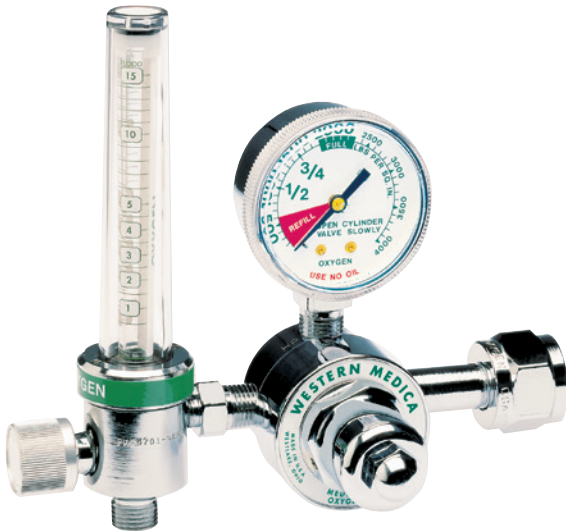
Single-Stage Preset Regulator with CGA-540 Nut & Nipple Inlet with 90° Outlet



### M1A-870-P

Single-Stage Preset Regulator with CGA-870 Yoke Connection with Horizontal Outlet

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**M1-540-15FM**

Single-Stage Preset Flowmeter Regulator with CGA-540 Nut and Nipple Inlet



**NMR-870-15FM**

Single-Stage Flowmeter Regulator with CGA-870 Yoke

## OXYGEN MR CONDITIONAL SLIM-LINE FLOWMETER

MODEL	FLOW RANGE	REGULATOR PRESSURE	INLET
<b>NMR-870-15FM</b>	1/2 - 15 LPM	50 PSI preset	CGA-870 Yoke <sup>1</sup>

## FEATURES:

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum rated inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauge
- 15 LPM Oxygen models provide 75 LPM flood minimum
- 7 LPM models restricted to 10 LPM maximum
- Polycarbonate inner and outer tubes provide greater accuracy and durability
- Includes plastic swivel hose barb (not shown)
- 6 year limited warranty

## SINGLE STAGE MODELS

GAS/MODEL	FLOW RANGE	INLET CONNECTION
<b>OXYGEN</b>		
<b>M1-540-8FM</b>	1/2 - 7 LPM	CGA-540 Nut and Nipple <sup>1</sup>
<b>M1-540-8FMH</b>	1/2 - 7 LPM	CGA-540 Handtight Nut and Nipple <sup>1</sup>
<b>M1-870-8FM</b>	1/2 - 7 LPM	CGA-870 Yoke <sup>1</sup>
<b>M1-540-15FM</b>	1/2 - 15 LPM	CGA-540 Nut and Nipple <sup>1</sup>
<b>M1-540-15FMH</b>	1/2 - 15 LPM	CGA-540 Handtight Nut and Nipple <sup>1</sup>
<b>M1-870-15FM</b>	1/2 - 15 LPM	CGA-870 Yoke <sup>1</sup>
<b>M1-540-15FMPTO</b>	1-15 LPM	CGA-540 Nut and Nipple w/Power Take Off <sup>1</sup>
<b>MEDICAL AIR</b>		
<b>M1-346-15FM</b>	1 - 15 LPM	CGA-346 Nut and Nipple <sup>1</sup>
<b>M1-346-15FMH</b>	1 - 15 LPM	CGA-346 Handtight Nut and Nipple <sup>1</sup>
<b>M1-950-15FM</b>	1 - 15 LPM	CGA-950 Yoke <sup>1</sup>
<b>CARBON DIOXIDE</b>		
<b>M1-320-12FM</b>	1/2 - 12 LPM	CGA-320 Nut and Nipple <sup>1</sup>
<b>M1-320-12FMH</b>	1/2 - 12 LPM	CGA-320 Handtight Nut and Nipple <sup>1</sup>
<b>M1-940-12FM</b>	1/2 - 12 LPM	CGA-940 Yoke <sup>1</sup>

See full CGA chart on inside back cover

## FLOWMETER FEATURES:

- Polycarbonate inner and outer tubes
- Calibrated at 50 PSI inlet
- DISS 1240 outlet

## REGULATOR FEATURES:

- All-Brass body and high-pressure chamber
- Internal reseating relief valve protects against over-pressurization
- 2" diameter gauge
- Sintered filter for additional safety and extended regulator life
- Durable neoprene diaphragm
- 3000 PSI maximum inlet pressure
- DISS 1240 outlet
- 50 PSI preset outlet

<sup>1</sup> **WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# CLINICAL REGULATORS 0 – 50 PSI DELIVERY RANGE

## FEATURES:

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauges
- OUTLET: Needle Valve with 1/8" Hose Barb (all models)
- 6 year limited warranty

PART #	CGA	INLET
<b>M1-280-PGB</b>	280	Nut and Nipple <sup>1</sup>
<b>M1-320-PGB</b>	320	Nut and Nipple <sup>1</sup>
<b>M1-950-PGB*</b>	950	Yoke <sup>1</sup>
<b>M1-500-PGB</b>	500	Nut and Nipple <sup>1</sup>
<b>M1-973-PGB*</b>	973	Yoke <sup>1</sup>
<b>M1-540-PGB</b>	540	Nut and Nipple <sup>1</sup>
<b>M1-870-PGB*</b>	870	Yoke <sup>1</sup>

Note: For Handtight Nut add "H" to item number.

\*Handtight option not available

See full CGA chart on inside back cover



**M1-500-PGB**

Single-Stage Clinical Instrument Regulator with CGA-500 Nut and Nipple Inlet



**M1-870-PGB**

Single-Stage Clinical Instrument Regulator with CGA-870 Yoke Inlet

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## FEATURES:

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum inlet pressure 3000 PSI
- Durable Neoprene diaphragm
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauges
- Brass outlet shut-off valve
- External relief valve
- 1/4" male NPT outlet

## HIGH PURITY MODELS

MODEL	DELIVERY RANGE	MAX RATED FLOW SCFH AIR AT 2000 PSI*	INLET CONNECTION
<b>MSH15XXX</b>	0 - 15 PSI	500 SCFH	Nut and Nipple or Yoke <sup>1</sup>
<b>MSH45XXX</b>	0 - 45 PSI	650 SCFH	Nut and Nipple or Yoke <sup>1</sup>
<b>MSH80XXX</b>	0 - 80 PSI	950 SCFH	Nut and Nipple or Yoke <sup>1</sup>
<b>MSH180XXX</b>	0 - 180 PSI	1000 SCFH	Nut and Nipple or Yoke <sup>1</sup>
<b>MSH450XXX</b>	0 - 450 PSI	1000 SCFH	Nut and Nipple or Yoke <sup>1</sup>
<b>MSG80XXX</b>	0 - 80 PSI	2050 SCFH	Nut and Nipple or Yoke <sup>1</sup>
<b>MSG180XXX</b>	0 - 180 PSI	2750 SCFH	Nut and Nipple or Yoke <sup>1</sup>

\*Maximum rated flow per CGA E-4 1994 at the stated inlet pressure

## ORDERING EXAMPLE

Order by replacing X's in model number with desired CGA number from the Gas/Inlet Connection chart. Example: MSH45XXX converts to MSH45320 for a Carbon Dioxide regulator with a CGA-320 nut and nipple inlet connection.

## GAS/INLET CONNECTIONS

NUT & NIPPLE CGA	YOKE CGA	GAS ASSIGNMENT
<b>280</b>	880	Carbon Dioxide and Oxygen mixtures (CO <sub>2</sub> not over 7%) <sup>1</sup>
<b>280</b>	890	Helium and Oxygen mixtures (He not over 80%) <sup>1</sup>
<b>280</b>	890	Nitrogen and Oxygen mixtures (O <sub>2</sub> over 23.5%) <sup>1</sup>
<b>280</b>	890	Xenon and Oxygen (O <sub>2</sub> over 20%) <sup>1</sup>
<b>320</b>	940	Carbon Dioxide <sup>1</sup>
<b>326</b>	910	Nitrous Oxide <sup>1</sup>
<b>346</b>	950	Medical Air <sup>1</sup>
<b>500</b>	940	Carbon Dioxide and Oxygen mixtures (CO <sub>2</sub> over 7%) <sup>1</sup>
<b>500</b>	930	Helium and Oxygen mixtures (He not over 80%) <sup>1</sup>
<b>500</b>	973	Carbon Dioxide, Oxygen and Nitrogen <sup>1</sup>
<b>500</b>	973	Lung Diffusion Mixtures <sup>1</sup>
<b>500</b>	973	Nonflammable, Noncorrosive Diagnostic and Medically Related Gas Mixtures <sup>1</sup>
<b>540</b>	870	Oxygen <sup>1</sup>
<b>580</b>	960	Nitrogen <sup>1</sup>
<b>580</b>	930	Helium <sup>1</sup>

Not all gases are available in various delivery pressure ranges.

## EASY GUIDE TO WESTERN MEDICA PART NUMBERS

### MEDICAL GAS FITTINGS

HOW IT WORKS:

M24-1

(M=Medical 24=DISS 1240 1=Part#)

Medical Oxygen DISS Nut

M54-1

(M=Medical 54=CGA-540 1=Part #)

Medical Oxygen Cylinder Nut

M87-1

(M=Medical 87=CGA-870 1=Part #)

Medical Oxygen Yoke

### MEDICAL GAS REGULATORS

Part Number- M1-540-FG

(M=Medical 1=Single Stage 540=CGA-540 FG=Flow Gauge)

Description: Medical Single-Stage Oxygen Flow Gauge Regulator



### MSH180346

Single-Stage  
High Purity Medical Air Regulator  
with CGA-346 Nut and Nipple Inlet

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# BREATHING MIXTURE AND MEDICAL MIXTURE REGULATORS

## FEATURES:

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauges
- 6 year limited warranty



M1-500-PG



M1-890-PG

## BREATHING MIXTURES AND MEDICAL MIXTURES

SINGLE STAGE ADJUSTABLE REGULATORS 0-100 PSI					
CGA		PART #	INLET	DISS OUTLET	OUTLET PART #
<b>BREATHING MIXTURES</b>					
280	CO <sub>2</sub> & O <sub>2</sub> (CO <sub>2</sub> not over 7%)	<b>M1-280-PG</b>	Nut and Nipple <sup>1</sup>	1020	M02-5
880		<b>M1-880-PG</b>	CGA-880 Yoke <sup>1</sup>	1200A	M20-5
890	He & O <sub>2</sub> (He not over 80%)	<b>M1-890-PG</b>	CGA-890 Yoke <sup>1</sup>	1240	M24-5
890	N <sub>2</sub> & O <sub>2</sub> (O <sub>2</sub> over 23.5%)	<b>M1-890-PG</b>	CGA-890 Yoke <sup>1</sup>	1240	M24-5
890	Xe & O <sub>2</sub> (O <sub>2</sub> over 20%)	<b>M1-890-PG</b>	CGA-890 Yoke <sup>1</sup>	1240	M24-5
<b>MEDICAL MIXTURES</b>					
940	CO <sub>2</sub> & O <sub>2</sub> mixtures (CO <sub>2</sub> , over 7%)	<b>M1-940-PG</b>	CGA-940 Yoke <sup>1</sup>	1080A	M08-5
930	He & O <sub>2</sub> (He over 80%)	<b>M1-930-PG</b>	CGA-930 Yoke <sup>1</sup>	1060A	M06-5
500	CO <sub>2</sub> & O <sub>2</sub> & N <sub>2</sub>	<b>M1-500-PG</b>	Nut and Nipple <sup>1</sup>	1020	M02-5
973	<b>LUNG DIFFUSION MIXTURES</b>	<b>M1-973-PG</b>	CGA-973 Yoke <sup>1</sup>	1020	M02-5
<b>BLOOD GAS MIXTURES</b>					
500	Nonflammable, Noncorrosive Gas Mixtures Labeled as Drugs or Medical Devices and not having another connection assignment	<b>M1-500-PG</b>	Nut and Nipple <sup>1</sup>	1020	M02-5
973		<b>M1-973-PG</b>	CGA-973 Yoke <sup>1</sup>	1020	M02-5

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**FMR100**

Slim Line-Flowmeter



**NMR-870-15FM**

Single-Stage Flowmeter  
Regulator

## FLOWMETER FEATURES:

- Slim-Line Flowmeter assembled with non-magnetic components
- Anodized aluminum body with brass adjustment knob
- Polycarbonate inner and outer tubes
- Calibrated at 50 PSI inlet
- DISS 1240 outlet

## REGULATOR FEATURES:

- Flowmeter Regulator assembled with non-magnetic components
- Maximum inlet pressure 3000 PSI
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2" diameter gauge
- All-Brass body and high-pressure chamber
- DISS 1240 outlet
- 50 PSI outlet

## FLOWMETER MODELS

GAS	MODEL	FLOW RANGE	INLET PRESSURE	INLET FEMALE CONNECTION
Oxygen	<b>FMR100</b>	1/2 - 15 LPM	50 PSI	1/8 - 27 NPT <sup>1</sup>
Oxygen	<b>FMR103</b>	1/2 - 15 LPM	50 PSI	DISS 1240 Nut And Nipple <sup>1</sup>

## FLOWMETER REGULATOR MODELS

GAS	MODEL	FLOW RANGE	INLET PRESSURE	INLET CONNECTION
Oxygen	<b>NMR-870-15FM</b>	1/2 - 15 LPM	50 PSI	CGA - 870 Yoke <sup>1</sup>

\*The products on this page are MR conditional for use outside the bore of an MR machine under the following conditions: Static magnetic field of 3.0 Tesla or less; Spatial gradient field of 3.3 Tesla/meter or less.



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CYLINDER VALVES (3000 PSI)  
3/4"-16 UNF-2A

			
<b>MPV-872</b> Wrench Valve CGA-870 <sup>1</sup>	<b>MPV-872</b> Wrench Valve with MPV-4027 Seal CGA-870 <sup>1</sup>	<b>MPV-872T</b> Toggle Valve CGA-870 <sup>1</sup>	<b>QUE-9001</b> Spigot Valve for M60 & M Aluminum Cylinders CGA-540 <sup>1</sup>

Note: The cylinder valves listed are configured with proper relief mechanisms for use at 2015 and 2216 PSI.  
Do not use where cylinder pressure ratings exceed these pressures.

ALUMINUM CYLINDER FEATURES:

- Aluminum cylinders are 40% lighter than steel
- Cylinders are cleaned for medical oxygen service
- Cylinder finish is easy to clean and maintain
- Straight thread design minimizes thread damage and with o-ring provides positive seal
- Order quantity minimum of 6

POST VALVE SEALS	
<b>MPV-4027</b>	Post Valve Seal Holder <sup>1</sup> (Plastic Clip Dust Cover) see photo above

Note: See page 34 for more oxygen accessories



M6 (B)

<b>Portable Aluminum Cylinders with CGA-870 Post Valves*</b>	11-3/4" x 3" • 2.2 lbs. 164 liters • 2216 PSI 144/Pallet • 5.8 cu ft
Wrench Valve CGA-870 <sup>2</sup> Toggle Valve CGA-870 <sup>2</sup>	<b>WPX-8700-1W</b> <b>WPX-8700-1T</b>

\*Weights listed are without valves. Add 1/2 lb for each valve.

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).  
<sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## CYLINDER WRENCHES

PART #	DESCRIPTION
<b>MCW-2B</b>	Metal Wrench <sup>1</sup>
<b>MCW-2BC</b>	Metal Wrench w/Security Chain <sup>1</sup>
<b>MCW-3P</b>	Plastic Wrench
<b>MCW-3PC</b>	Plastic Wrench w/Security Chain <sup>1</sup>

### MCW - 2BC



**MCW - 3P**



**LARGE ALUMINUM CYLINDERS WITH SPIGOT VALVES**

<b>M9 (C)<sup>2</sup></b>	<b>D<sup>2</sup></b>	<b>E<sup>2</sup></b>	<b>M60<sup>1</sup></b>	<b>M<sup>1</sup></b>
10-1/2" x 4-1/2" • 3.6 lbs. 246 liters • 2015 PSI 81/Pallet • 8.7 cu ft	16" x 4-1/2" • 5.1 lbs. 425 liters • 2015 PSI 81/Pallet • 15.0 cu ft	25" x 4-1/2" • 7.3 lbs. 679 liters • 2015 PSI 81/Pallet • 24.0 cu ft	23-1/2" x 7-1/4" • 22.5 lbs. 1699 liters • 2216 PSI 42/Pallet • 60.0 cu ft	36-1/4" x 8" • 40.1 lbs. 3454 liters • 2216 PSI 25/Pallet • 122.0 cu ft
<b>WPX-8701-1T</b>	<b>WPX-8702-1T</b>	<b>WPX-8703-1W WPX-8703-1T</b>	<b>WPX-5405-1 (CGA-540) Spigot Valve</b>	<b>WPX-5406-1 (CGA-540) Spigot Valve</b>

Size shown not proportionally correct.

- <sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- <sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

SHOULDER PACKS

Part #	Description
PX-1011	Black Nylon Bag for C Cylinder
PX-1013	Black Nylon Bag for D Cylinder
PX-1014	Black Nylon Bag for E Cylinder
PX-1010	Horizontal Carrying Bag (duffel style), vented Holds M4 (A), M6 (B), M6A (ML6), and M9 (C) Cylinders



PX-1011  
(Bag only)

PX-1013  
(Bag only)



PX-1014  
(Bag only)



PX-1010

## OTHER EQUIPMENT

Part #	
<b>MW-87</b>	Halar Yoke Washer (one time use only)
<b>2544-2</b>	Brass and Viton Yoke Washer <sup>1</sup>
<b>PX-1850</b>	Dual Lumen Cannula, 5'
<b>PX-1000</b>	Single Lumen Cannula, 7' Call to order a variety of pressure gauges. See page 46
<b>PX-1002</b>	Adult O <sub>2</sub> Mask w/ tubing
<b>M24-45P</b>	Nut and Nipple to Tapered Barb 50/bag (green)
<b>M24-45PGR</b>	Same as above 50/bag (Grey)
<b>M24-45PW</b>	Same as above 50/bag (white)
<b>M24-45PY</b>	Same as above 50/bag (yellow)
<b>M00-3</b>	T-Handle <sup>1</sup>
<b>M00-9</b>	T-Handle with 6" grip <sup>1</sup>
<b>MTT-1K</b>	1/4" PTFE Tape
<b>MTT-2K</b>	1/2" PTFE Tape
<b>MTT-3K</b>	Formula 8 PTFE Paste



**MW-87**  
(one time use only)



**2544-2**



**PX-1850**



**PX-1002**



**M24-45PW**



**M00-3**



**M00-9**



**MTT-1K**



**MTT-2K**



**MTT-3K**

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## CYLINDER CARTS<sup>2</sup>

Part #	Cylinder	Capacity	Width (in.)	Depth (in.)	Height (in.)	Weight (lbs.)
<b>PX-1020</b>	D or E	1	12.5	12	44	4.64
<b>PX-1060</b>	D or E	1	12.5	12	44	4.6
<b>HCC5-M</b>	D or E	2	14	14	42	11
<b>HCC1-M</b>	M60 or M	1	13	12	39	17
<b>HCC2-M</b>	M60, M or H	1	18	16	47	28
<b>HCC3-M</b>	M60, M or H	1	15	20	35	29
<b>MCC1</b>	D or E	12	22	20	42	40
<b>MCC2</b>	D or E	28	20	30	42	64



**PX-1020**



**HCC5-M**



**HCC1-M**



**HCC2-M**



**HCC3-M**



**MCC1**

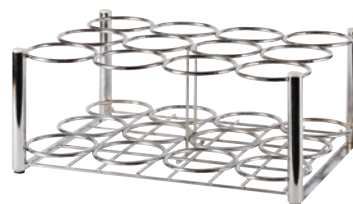
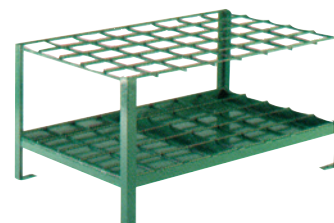


**MCC2**

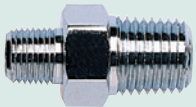


<sup>2</sup>**⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CYLINDER RACKS AND STANDS<sup>2</sup>

Part #	Cylinder	Capacity	Width (in.)	Depth (in.)	Height (in.)	Weight (lbs.)
<b>PX-1025</b>	C,D or E	6	16	10.5	7.25	10
<b>PX-1027</b>	C,D or E	12	20.5	15.8	7	13.18
<b>PX-1034</b>	D or E	40	40	25	20	75
<b>MCS</b>	C,D or E	1	9.4	9.4	4	2
<b>HCS2-M</b>	M60, M or H	1	19	18.25	11	14
<b>HCS3-M</b>	M60 or M	1	19	18.25	11	5

**PX-1025****PX-1027****MCS****HCS2-M****PX-1034**

<sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

INLET	FLOWMETERS WITH FITTING
Flowmeter with Standard Inlet (1/8 NPT Female) <sup>1</sup>	<b>FM101</b> 1/2–15 LPM <b>FM201</b> 1/2–7 LPM
 1/4 NPT Male <sup>1</sup>	<b>FM102</b> 1/2–15 LPM <b>FM202</b> 1/2–7 LPM
 DISS Hex Nut and Nipple <sup>1</sup>	<b>FM103</b> 1/2–15 LPM <b>FM203</b> 1/2–7 LPM
 DISS Handtight Nut and Nipple* <sup>1</sup>	<b>FM104</b> 1/2–15 LPM <b>FM204</b> 1/2–7 LPM

\*Canadian color-coding available on most models, add "C" to part number.

## FLOWMETER FEATURES:

- Full line of inlet connections
- Optional Power Take-Off units provide 50 PSI additional outlet pressure
- Polycarbonate inner and outer tubes provide greater durability
- Calibrated at 50 PSI inlet
- Double units for multi-patient use
- DISS 1240 outlet
- 6 year limited warranty

## OPTIONS:

- Order 2052 for safety chain assembly.




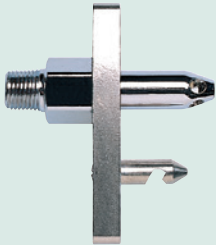


**FM101**



**FM104**



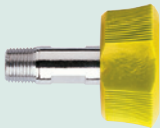

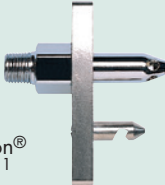
<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

FLOWMETERS WITH FITTING	INLET
<b>FM106</b> 1/2–15 LPM <sup>1</sup>	 Oxequip® Adaptor
<b>FM107</b> 1/2–15 LPM <sup>1</sup>	 Ohmeda® Adaptor*
<b>FM108</b> 1/2–15 LPM <sup>1</sup> <b>FM208</b> 1/2–7 LPM <sup>1</sup>	 Puritan® Adaptor
<b>FM109</b> 1/2–15 LPM <sup>1</sup>	 Chemetron® Adaptor*

\*Canadian color-coding available on most models, add "C" to part number. Example FM107C

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## FM – Brass Body

INLET	FLOWMETERS WITH FITTING	
	MEDICAL AIR 1-15 LPM	CARBON DIOXIDE 1/2-12 LPM
Flowmeter Without Fitting Standard Inlet 1/8 NPT Female <sup>1</sup>	<b>FM601</b>	<b>FM801</b>
 1/4 NPT Male <sup>1</sup>	<b>FM602</b>	<b>FM802</b>
 DISS Hex Nut and Nipple <sup>1</sup>	<b>FM603</b>	<b>FM803</b>
 DISS Handtight Nut and Nipple* <sup>1</sup>	<b>FM604</b>	NA
 Ohmeda® Adaptor* <sup>1</sup>	<b>FM607</b>	NA
 Chemetron® Adaptor* <sup>1</sup>	<b>FM609</b>	NA

\*Canadian color-coding available on most models, add "C" to part number. Example FM604C






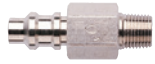
### FLOWMETER FEATURES:

- Full line of inlet connections
- Optional Power Take-Off (PTO) units provide 50 PSI additional outlet pressure
- Polycarbonate inner and outer tubes provide greater durability
- Calibrated at 50 PSI inlet
- Double units for multi-patient use
- 6 year limited warranty

### OPTIONS:

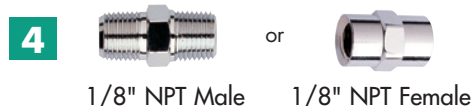
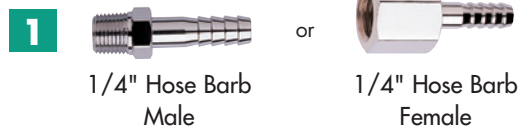
- Order 2052 for safety chain assembly.

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

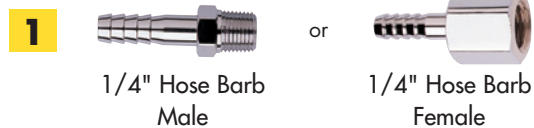
 <p>Chemetron® Male Adaptor*</p>	<p><b>MQ101</b> 1/8 NPT Male<sup>1</sup>  <b>MQ101-1</b> 1/4 Hose Barb<sup>1</sup>  <b>MQ101-2</b> DISS Male<sup>1</sup>  <b>MQ101-3</b> 1/4 NPT Male<sup>1</sup>  <b>MQ101-4</b> 1/8 NPT Female<sup>1</sup>  <b>MQ101-5</b> Handtight Nut and Nipple<sup>1</sup>  <b>MQ101-6</b> DISS Nut and Nipple<sup>1</sup></p>
 <p>Chemetron® Female Adaptor*</p>	<p><b>OR101</b> 1/8 NPT Female<sup>1</sup>  <b>OR101-1</b> 1/4 Hose Barb<sup>1</sup>  <b>OR101-2</b> DISS Male<sup>1</sup>  <b>OR101-3</b> 1/4 NPT Male<sup>1</sup>  <b>OR101-4</b> 1/8 NPT Male<sup>1</sup>  <b>OR101-5</b> Handtight Nut and Nipple<sup>1</sup>  <b>OR101-6</b> DISS Nut and Nipple<sup>1</sup></p>
 <p>Ohmeda® Male Adaptor*</p>	<p><b>MQ201</b> 1/8 NPT Male<sup>1</sup>  <b>MQ201-1</b> 1/4 Hose Barb<sup>1</sup>  <b>MQ201-2</b> DISS Male<sup>1</sup>  <b>MQ201-3</b> 1/4 NPT Male<sup>1</sup>  <b>MQ201-4</b> 1/8 NPT Female<sup>1</sup>  <b>MQ201-5</b> Handtight Nut and Nipple<sup>1</sup>  <b>MQ201-6</b> DISS Nut and Nipple<sup>1</sup></p>
 <p>Ohmeda® Female Adaptor*</p>	<p><b>OR201</b> 1/8 NPT Female<sup>1</sup>  <b>OR201-1</b> 1/4 Hose Barb<sup>1</sup>  <b>OR201-2</b> DISS Male<sup>1</sup>  <b>OR201-3</b> 1/4 NPT Male<sup>1</sup>  <b>OR201-4</b> 1/8 NPT Male<sup>1</sup>  <b>OR201-5</b> Handtight Nut and Nipple<sup>1</sup>  <b>OR201-6</b> DISS Nut and Nipple<sup>1</sup></p>
 <p>Oxequip® Male Adaptor</p>	<p><b>MQ301</b> 1/8 NPT Male<sup>1</sup></p>
 <p>Puritan® Male Adaptor</p>	<p><b>MQ401</b> 1/8 NPT Male<sup>1</sup></p>

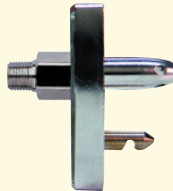
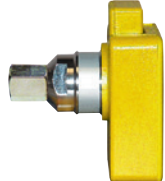




50 PSI Nominal Working Pressure

\*Canadian color-coding available on most models.  
Add "C" to part number. Example: MQ101-4C



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

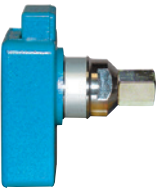






 Chemetron® Male Style*	<b>MQ102</b> 1/8 NPT Male <sup>1</sup> <b>MQ102-1</b> 1/4 Hose Barb <sup>1</sup> <b>MQ102-2</b> DISS Male <sup>1</sup> <b>MQ102-3</b> 1/4 NPT Male <sup>1</sup> <b>MQ102-4</b> 1/8 NPT Female <sup>1</sup> <b>MQ102-5</b> Handtight Nut and Nipple <sup>1</sup> <b>MQ102-6</b> DISS Nut and Nipple <sup>1</sup>
 Chemetron® Female Style*	<b>OR102</b> 1/8 NPT Female <sup>1</sup> <b>OR102-1</b> 1/4 Hose Barb <sup>1</sup> <b>OR102-2</b> DISS Male <sup>1</sup> <b>OR102-3</b> 1/4 NPT Male <sup>1</sup> <b>OR102-4</b> 1/8 NPT Male <sup>1</sup> <b>OR102-5</b> Handtight Nut and Nipple <sup>1</sup> <b>OR102-6</b> DISS Nut and Nipple <sup>1</sup>
 Ohmeda® Male Style*	<b>MQ202</b> 1/8 NPT Male <sup>1</sup> <b>MQ202-1</b> 1/4 Hose Barb <sup>1</sup> <b>MQ202-2</b> DISS Male <sup>1</sup> <b>MQ202-3</b> 1/4 NPT Male <sup>1</sup> <b>MQ202-4</b> 1/8 NPT Female <sup>1</sup> <b>MQ202-5</b> Handtight Nut and Nipple <sup>1</sup> <b>MQ202-6</b> DISS Nut and Nipple <sup>1</sup>
 Ohmeda® Female Style*	<b>OR202</b> 1/8 NPT Female <sup>1</sup> <b>OR202-1</b> 1/4 Hose Barb <sup>1</sup> <b>OR202-2</b> DISS Male <sup>1</sup> <b>OR202-3</b> 1/4 NPT Male <sup>1</sup> <b>OR202-4</b> 1/8 NPT Male <sup>1</sup> <b>OR202-5</b> Handtight Nut and Nipple <sup>1</sup> <b>OR202-6</b> DISS Nut and Nipple <sup>1</sup>
 Oxequip® Male Style	<b>MQ302</b> 1/8 NPT Male <sup>1</sup>
 Puritan® Male Style	<b>MQ402</b> 1/8 NPT Male <sup>1</sup>

50 PSI Nominal Working Pressure

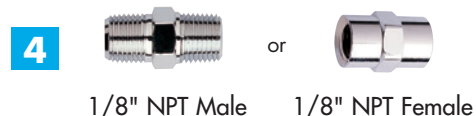
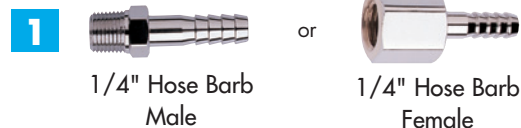
\*Canadian color-coding available on most models.  
Add "C" to part number. Example: MQ204-2C

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

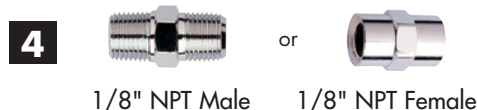
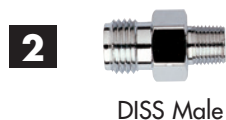
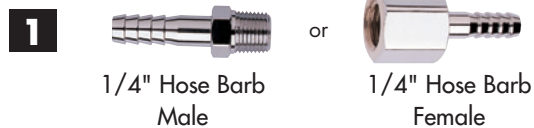
 Chemetron® Female Style*	<b>OR103</b> 1/8 NPT Female <sup>1</sup> <b>OR103-1</b> 1/4 Hose Barb <sup>1</sup> <b>OR103-2</b> DISS Male <sup>1</sup> <b>OR103-3</b> 1/4 NPT Male <sup>1</sup> <b>OR103-4</b> 1/8 NPT Male <sup>1</sup> <b>OR103-5</b> Handtight Nut and Nipple <sup>1</sup> <b>OR103-6</b> DISS Nut and Nipple <sup>1</sup>
 Ohmeda® Male Style*	<b>MQ203</b> 1/8 NPT Male <sup>1</sup> <b>MQ203-1</b> 1/4 Hose Barb <sup>1</sup> <b>MQ203-2</b> DISS Male <sup>1</sup> <b>MQ203-3</b> 1/4 NPT Male <sup>1</sup> <b>MQ203-4</b> 1/8 NPT Female <sup>1</sup> <b>MQ203-5</b> Handtight Nut and Nipple <sup>1</sup> <b>MQ203-6</b> DISS Nut and Nipple <sup>1</sup>
 Ohmeda® Female Style*	<b>OR203</b> 1/8 NPT Female <sup>1</sup> <b>OR203-1</b> 1/4 Hose Barb <sup>1</sup> <b>OR203-2</b> DISS Male <sup>1</sup> <b>OR203-3</b> 1/4 NPT Male <sup>1</sup> <b>OR203-4</b> 1/8 NPT Male <sup>1</sup> <b>OR203-5</b> Handtight Nut and Nipple <sup>1</sup> <b>OR203-6</b> DISS Nut and Nipple <sup>1</sup>
 Oxequip® Male Style	<b>MQ303</b> 1/8 NPT Male <sup>1</sup>
 Puritan® Male Style	<b>MQ403</b> 1/8 NPT Male <sup>1</sup>


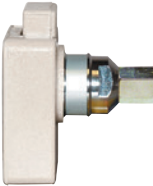




50 PSI Nominal Working Pressure

\*Canadian color-coding available on most models.  
Add "C" to part number. Example: OR203-2C



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).












 Chemetron® Male Style*	<b>MQ104</b> <b>MQ104-1</b> <b>MQ104-3</b>	1/8 NPT Male <sup>1</sup> 1/4 Hose Barb <sup>1</sup> 1/4 NPT Male <sup>1</sup>
 Chemetron® Female Style*	<b>OR104</b> <b>OR104-1</b> <b>OR104-2</b> <b>OR104-3</b> <b>OR104-4</b> <b>OR104-5</b> <b>OR104-6</b>	1/8 NPT Female <sup>1</sup> 1/4 Hose Barb <sup>1</sup> DISS Male <sup>1</sup> 1/4 NPT Male <sup>1</sup> 1/8 NPT Male <sup>1</sup> Handtight Nut and Nipple <sup>1</sup> DISS Nut and Nipple <sup>1</sup>
 Ohmeda® Male Style*	<b>MQ204</b> <b>MQ204-1</b> <b>MQ204-2</b> <b>MQ204-3</b> <b>MQ204-4</b> <b>MQ204-5</b> <b>MQ204-6</b>	1/8 NPT Male <sup>1</sup> 1/4 Hose Barb <sup>1</sup> DISS Male <sup>1</sup> 1/4 NPT Male <sup>1</sup> 1/8 NPT Female <sup>1</sup> Handtight Nut and Nipple <sup>1</sup> DISS Nut and Nipple <sup>1</sup>
 Ohmeda® Female Style*	<b>OR204</b> <b>OR204-1</b> <b>OR204-2</b> <b>OR204-3</b>	1/8 NPT Female <sup>1</sup> 1/4 Hose Barb <sup>1</sup> DISS Male <sup>1</sup> 1/4 NPT Male <sup>1</sup>
 Oxequip® Male Style	<b>MQ304</b>	1/8 NPT Male <sup>1</sup>
 Puritan® Male Style	<b>MQ404</b>	1/8 NPT Male <sup>1</sup>

50 PSI Nominal Working Pressure










\*Canadian color-coding available on most models.  
Add "C" to part number.

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

DISS 1240 200 PSI Max.			
NUTS (9/16-18 Thread)		NIPPLES (DISS 1240)	BODY ADAPTORS (DISS 1240)
<b>M24-1</b> 11/16" Hex <sup>1</sup>		<b>M24-10</b> 1/8" NPT Male x 1-1/2" w/Wrench Flats <sup>1</sup>	<b>M24-4</b> 1/8" NPT Male <sup>1</sup>
<b>M24-2</b> Knurled Handtight <sup>1</sup>		<b>M24-11</b> 1/8" NPT Male x 1-1/2" w/Wrench Flats and O-Ring <sup>1</sup>	<b>M24-5</b> 1/4" NPT Male <sup>1</sup>
<b>M24-2P</b> Handtight w/Green Collar <sup>1</sup>		<b>M24-12</b> Tapered 3/16" to 3/8" Hose Barb <sup>1</sup>	<b>M24-6</b> 1/8" NPT Female <sup>1</sup>
<b>M24-2PA</b> Handtight Nut Ass'y 1/8" NPT Green <sup>1</sup>		<b>M24-13</b> Tapered 3/16" to 3/8" Hose Barb w/O-Ring <sup>1</sup>	<b>M24-7</b> 1/4" NPT Female <sup>1</sup>
<b>M24-2PH</b> Hex Handtight w/Green Collar <sup>1</sup>		<b>M24-14</b> 1/4" Hose Barb <sup>1</sup>	<b>M24-8</b> 1/4" Hose Barb <sup>1</sup>
<b>M24-2PW</b> Handtight Canada w/White Collar <sup>1</sup>		<b>M24-15</b> 1/4" Hose Barb w/O-Ring <sup>1</sup>	<b>M24-9</b> 3/16" Hose Barb <sup>1</sup>
<b>M24-33</b> DISS 1240F x 1/4" NPT Male <sup>1</sup>		<b>M24-16</b> 3/16" Hose Barb <sup>1</sup>	
		<b>M24-18</b> O-Ring Replacement <sup>1</sup>	
		<b>M24-41</b> 1/8" NPT Male x 1" Broached for Allen Wrench <sup>1</sup>	
		<b>M24-42</b> 1/8" NPT Male x 1" Broached w/O-Ring <sup>1</sup>	
		<b>M00-6</b> Retaining Ring <sup>2</sup>	
 <b>M24-2</b>  <b>M24-1</b>  <b>M24-2P</b>  <b>M24-2PA</b>		 <b>M24-10</b>  <b>M24-13</b>  <b>M24-14</b>	
			 <b>M24-5</b>  <b>M24-7</b>  <b>M24-8</b>

Important: Hose used on straight barbed hose fittings should be secured with crimp-style hose ferrules or proper clamps. Nipples with O-Ring should be used when using Handtight nuts to insure proper seal.





## OXYGEN DISS SPECIAL ADAPTORS

DISS 1240 9/16" Thread 200 PSI Max.			
90°		STRAIGHT	MISCELLANEOUS
<b>M24-27</b> Female to Male <sup>1</sup>		<b>M24-32</b> Female to 1/8" NPT Male <sup>1</sup>	<b>M24-24</b> Female to 1/4" Hose Barb <sup>1</sup>
<b>M24-28</b> Female to 1/8" NPT Male <sup>1</sup>		<b>M24-33</b> Female to 1/4" NPT Male <sup>1</sup>	<b>M24-25</b> Female to Female <sup>1</sup>
<b>M24-29</b> Female to 1/4" NPT Male <sup>1</sup>		<b>M24-34</b> Female to 1/8" NPT Female <sup>1</sup>	<b>M24-26</b> Male to Male <sup>1</sup>
<b>M24-30</b> Female to 1/8" NPT Female <sup>1</sup>		<b>M24-35</b> Female to 1/4" NPT Female <sup>1</sup>	<b>M24-47</b> Female Handtight to Tapered <sup>1</sup>
<b>M24-31</b> Female to 1/4" NPT Female <sup>1</sup>			
<b>M24-39</b> Male to 1/4" NPT Male <sup>1</sup>			
<b>M24-43</b> Male to Female, with 1-3/4" Nipple Extension <sup>1</sup>			
 <b>M24-27</b>  <b>M24-29</b>  <b>M24-39</b>		 <b>M24-36</b>  <b>M24-33</b>  <b>M24-35</b>	
			 <b>M24-25</b>  <b>M24-26</b>  <b>M24-24</b>



<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).


<sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## OXYGEN DUST CAPS, GAS TIGHT CAPS, SWIVEL CONNECTIONS







DISS 1240 9/16-18 UNF Thread 200 PSI Max.			
DUST CAPS (NOT FOR GAS SEAL)		GAS TIGHT CAPS	PLASTIC SWIVEL CONNECTORS*
<b>M24-48H</b> Black Cap w/Chain and Ring <sup>2</sup>		<b>M24-20</b> Chrome Cap w/Chain and Ring <sup>2</sup>	<b>M24-45P</b> Nut and Nipple to Tapered Barb (Green)*
<b>M24-48S</b> Black Cap w/Chain and Eyelet <sup>2</sup>			<b>M24-45PGR</b> Nut and Nipple to Tapered Barb (Grey)*
			<b>M24-45PW</b> Nut and Nipple to Tapered Barb (White)*
			<b>M24-45PY</b> Nut and Nipple to Tapered Barb (Yellow)*
			
			

\*Sold in bags of 50

DISS 1240 9/16-18 UNF Thread 200 PSI Max.	
<b>MY-1</b> DISS Female Inlet to Male DISS Outlet <sup>1</sup>	<b>MY-7</b> Female DISS Inlet to 1/4" NPT Female Outlets <sup>1</sup>
	

ANODIZED ALUMINUM MULTIPLE PORT BLOCK (oxygen only) Two 1/4 NPT Outlets 200 PSI Max.	
	<b>Anodized Aluminum 200 PSI</b> <b>M00-70</b> 1/8" NPT Female Inlet to 1/4" NPT Female Outlets <sup>2</sup> <b>M00-71</b> 1/4" NPT Female Inlet to 1/4" NPT Female Outlets <sup>2</sup>

- <sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- <sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

OXYGEN DISS 1240 9/16" Thread 200 PSI Max		
DEMAND VALVES	CHECK VALVES	REVERSE FLOW VALVES
500 SCFH Flow @ 50 PSI	50 PSI	1000 SCFH flow @ 50 PSI
<b>M24-40</b> 1/8" NPT Male to DISS <sup>1</sup> <b>M24-50</b> 1/4" NPT Male to DISS <sup>1</sup>	<b>M24-4CV</b> 1/8" NPT Male 50 PSI <sup>1</sup> <b>M24-5CV</b> 1/4" NPT Male 50 PSI <sup>1</sup> <b>MCV-3</b> Flow into 1/4 NPT Male Inlet to 9/16-18 Male Outlet <sup>1</sup>	<b>MCV-1</b> Flow into 9/16-18 Male Inlet to Female Outlet <sup>1</sup> <b>MCV-2</b> Flow into 9/16-18 Male inlet to Male Outlet <sup>1</sup>
 <b>M24-50</b>	 <b>M24-5CV</b>	 <b>MCV-1</b>  <b>MCV-2</b>  <b>MCV-3</b>
Adaptors		
<b>MD-1</b> 1/8" NPT Male to 1/8" NPT Female <sup>1</sup> <b>MD-2</b> 1/4" NPT Male to 1/8" NPT Female <sup>1</sup> <b>MD-3</b> 1/4" NPT Male to 1/4" NPT Female <sup>1</sup>	 <b>MD-3</b>	Important: Must be used with demand valve when plunger hole depth is not sufficient to clear forward travel of plunger when connection is made. Always check for full flow after installation.

## Demand Valves


Gas is checked w/out connection being made. Flow occurs when proper connection is made.

## Check Valves




Gas flows into and through the DISS portion of the fitting and is checked in the opposite direction. Does not operate as a demand valve.

## Reverse Check Valves

For inline gas flow. Prevents backflow of gases.

<sup>1</sup>  **WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# OXYGEN GAUGES & ORIFICE REPLACEMENT

PRESSURE and FLOW					1/4" NPT AND 1/8" NPT					WHITE FACE with GREEN NUMBERS				
														
MG-C2					MG-C63					MG-C23				
BOTTOM PORT					BACK PORT									
MG-C1	4000 PSI	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>	MG-C6*	15 LPM	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>					
MG-C2	4000 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>	MG-C23	4000 PSI	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>					
MG-C3	100 PSI	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>	MG-C67*	1-8 LPM	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>					
MG-C4	100 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>	MG-C75	3000 PSI	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>					
MG-C5	15 LPM*	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>	MJ-C1P	3000 PSI	1-1/2" OD	1/8" NPT	Stainless <sup>2</sup>					
MG-C7	15 LPM*	2" OD	1/4" NPT	Chrome <sup>1</sup>	MJ-C2	4000 PSI	1-1/2" OD	1/8" NPT	Stainless					
MG-C8	5 LPM*	2" OD	1/4" NPT	Chrome <sup>1</sup>										
MG-C31	8 LPM*	2" OD	1/4" NPT	Chrome <sup>1</sup>										
MG-C34	4000 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>										
MG-C63	1/8 LPM*	2" OD	1/4" NPT	Chrome <sup>1</sup>										

## OXYGEN REGULATOR REPLACEMENT OUTLET ORIFICE BUSHINGS







For use on Western Flow Gauge Regulators Only

STRAIGHT DISS			STRAIGHT BARB	
<b>HPG-4949</b>	1/2 LPM	1/4 NPT Male <sup>1</sup>	<b>10-NSP-2</b>	5 LPM 26mm 3/16" Barb to 1/8 NPT Male <sup>1</sup>
<b>10-N80</b>	8 LPM #80	1/4 NPT Male <sup>1</sup>		
<b>10-N77</b>	15 LPM #77	1/4 NPT Male <sup>1</sup>		

\*Note: Above orifice configurations match the designated gauge and are required to insure proper performance. When ordering oxygen LPM flow gauges to be used on corresponding Western regulators, the following orifice outlet bushings are required. Choose the proper configuration per chart above.

<b>15 LPM</b>	<b>8 LPM</b>	<b>1/2 LPM</b>
10-N77	10-N80	HPG-4949
10-N77-2		

- <sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- <sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CYLINDER CONNECTIONS 3000 PSI max		
NUTS CGA-540		
M54-1	Oxygen Cylinder Nut <sup>1</sup>	 M54-1  M54-10P
M54-10	Handtight Nut (Brass) <sup>1</sup>	
M54-10P	Handtight Nut w/ Plastic Grip <sup>1</sup>	
NIPPLES CGA-540		
M54-2	1/4" NPT Male x 2" <sup>1</sup>	 M54-5
M54-3	1/4" NPT Male x 2" w/Filter <sup>1</sup>	
M54-4	1/4" NPT Male x 2-1/2" <sup>1</sup>	
M54-5	1/4" NPT Male x 2-1/2" w/Filter <sup>1</sup>	 M54-11
M54-5CV	1/4" NPT Male x 2-1/2" Check and Filter <sup>1</sup>	
M54-6	1/4" NPT Male x 3" <sup>1</sup>	
M54-7	1/4" NPT Male x 3" w/Filter <sup>1</sup>	
M54-11	1/4" NPT Male x 2-1/2" w/Soft Tip <sup>1</sup>	
M54-12	Soft Tip Replacement	
M54-13	1/4" NPT Male x 4-1/2" <sup>1</sup>	
COUPLER TEES		
w/Cylinder Valve Outlets 3000 PSI Max		
M54-16	CGA-540 w/Female Inlet to 2 Male Outlets <sup>1</sup>	 M54-16
M54-17	CGA-540 w/Female Inlet Check Valve to 2 Male Outlets <sup>1</sup>	
PLUG & CHAIN ASSEMBLY		
Provides gas tight seal 3000 PSI Max.		
M54-22	CGA-540 <sup>1</sup>	 M54-22

<sup>1</sup> **⚠️WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## OXYGEN PIN INDEX YOKES & POST VALVES/SPIGOT VALVES 3000 PSI MAX





CGA-540 Male Outlet	1/4 NPT Male Outlet	1/2 NPT Male Outlet
 <b>M87-1</b>	 <b>M87-4</b>	 <b>M87-8</b>

OXYGEN YOKES CGA-870 See Page 41 For Yoke Replacement Parts	
PART #	OUTLET
<b>M87-1</b>	CGA-540 Male Thread <sup>1</sup>
<b>M87-1H</b>	CGA-540 Handtight Male Thread <sup>1</sup>
<b>M87-4</b>	1/4 NPT Male <sup>1</sup>
<b>M87-4CV</b>	1/4 NPT Male w/Check Valve <sup>1</sup>
<b>M87-4S</b>	1/4 NPT Male w/Swivel <sup>1</sup>
<b>M87-4H</b>	1/4 NPT Male w/Handtight Yoke <sup>1</sup>
<b>M87-8</b>	1/2 NPT Male <sup>1</sup>
<b>M87-8H</b>	1/2 NPT Male w/Handtight Yoke <sup>1</sup>

## OXYGEN POST & SPIGOT VALVES

3/4"-16 UNF-2A

1-1/8"-12 UNF-2A


			
<b>MPV-872</b> Wrench Valve CGA-870 <sup>1</sup>	<b>MPV-872</b> Wrench Valve with MPV-4027 Seal CGA-870 <sup>1</sup>	<b>MPV-872T</b> Toggle Valve CGA-870 <sup>1</sup>	<b>QUE-9001</b> Spigot Valve for M60 & M Aluminum Cylinders CGA-540 <sup>1</sup>

Note: The cylinder valves listed are configured with proper relief mechanisms for use at 2015 and 2216 PSI.  
Do not use where cylinder pressure ratings exceed these pressures.

## POST VALVE SEALS
















<b>MPV-4027</b>	Post Valve Seal (Plastic Clip Dust Cover) See Photo Above <sup>1</sup>
-----------------	--

## TEST GAUGE OXYGEN

For Testing Cylinder Contents 3000 PSI Max <b>MGT-540</b> Oxygen CGA-540, RH Female Handtight Nut <sup>1</sup>	
---	---

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**DISS NUTS, NIPPLES AND BODY ADAPTORS**






















NUTS		NIPPLES		BODY ADAPTORS	
MEDICAL AIR DISS 1160A 3/4-16 Thread 200 PSI Maximum					
M16-1	7/8" Hex <sup>1</sup>	M16-8	1/8" NPT Male w/Wrench Flats <sup>1</sup>	M16-4	1/8" NPT Male <sup>1</sup>
M16-2	Handtight (Brass) <sup>1</sup>	M16-9	1/8" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>	M16-5	1/4" NPT Male <sup>1</sup>
M16-2P	Handtight/Yellow Collar <sup>1</sup>	M16-10	1/4" NPT Male w/Wrench Flats <sup>1</sup>	M16-6	1/8" NPT Female <sup>1</sup>
M16-2PC	Handtight/Black/White Collar <sup>1</sup>	M16-11	1/4" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>	M16-7	1/4" Hose Barb <sup>1</sup>
	M16-2P	M16-12	1/4" Hose Barb <sup>1</sup>		M16-4
	M16-1	M16-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		M16-7
	M16-2PC	M16-14	3/16" Hose Barb <sup>1</sup>		
		M16-15	3/16" Hose Barb w/O-Ring <sup>1</sup>		
		M16-16	O-Ring Replacement		
			M16-9		
			M16-12		
NITROGEN DISS 1120A 3/4-16 Thread 200 PSI Maximum					
M12-1	7/8" Hex <sup>1</sup>	M12-8	1/8" NPT Male w/Wrench Flats <sup>1</sup>	M12-5	1/2" NPT Male <sup>1</sup>
M12-2	Handtight (Brass) <sup>1</sup>	M12-9	1/8" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>	M12-7	1/4" Hose Barb <sup>1</sup>
M12-2P	Handtight/Black Collar <sup>1</sup>	M12-10	1/4" NPT Male w/Wrench Flats <sup>1</sup>		
	M12-2	M12-11	1/4" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>		M12-7
	M12-2P	M12-12	1/4" Hose Barb <sup>1</sup>		
		M12-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		
		M12-14	3/16" Hose Barb <sup>1</sup>		
		M12-16	O-Ring Replacement		
			M12-11		
NITROUS OXIDE DISS 1040A 3/4-16 Thread 200 PSI Maximum					
M04-1	7/8" Hex <sup>1</sup>	M04-8	1/8" NPT Male w/Wrench Flats <sup>1</sup>	M04-4	1/8" NPT Male <sup>1</sup>
M04-2	Handtight (Brass) <sup>1</sup>	M04-9	1/8" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>	M04-5	1/4" NPT Male <sup>1</sup>
M04-2P	Handtight/Blue Collar <sup>1</sup>	M04-10	1/4" NPT Male w/Wrench Flats <sup>1</sup>	M04-6	1/8" NPT Female <sup>1</sup>
	M04-2	M04-11	1/4" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>	M04-7	1/4" Hose Barb <sup>1</sup>
	M04-2P	M04-12	1/4" Hose Barb <sup>1</sup>		M04-5
		M04-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		
		M04-14	3/16" Hose Barb <sup>1</sup>		
		M04-15	3/16" Hose Barb w/O-Ring <sup>1</sup>		
		M04-16	O-Ring Replacement		
		M00-5	Retaining Ring <sup>2</sup>		
			M04-13		

Important: Hose used on straight barbed hose fittings should be secured with crimp-style hose ferrules or proper clamps. Nipples with O-Ring should be used when using handtight nuts to insure proper seal.

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).




<sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).




**DISS NUTS, NIPPLES AND BODY ADAPTORS**





NUTS		NIPPLES		ADAPTORS	
SUCTION DISS 1220 3/4-16 Thread					
M22-1	7/8" Hex <sup>1</sup>	M22-8	1/8" NPT Male Broached for Allen Wrench <sup>1</sup>	M22-4	1/8" NPT Male <sup>1</sup>
M22-2	Handtight (Brass) <sup>1</sup>	M22-9	1/8" NPT Male Broached w/O-Ring <sup>1</sup>	M22-5	1/4" NPT Male <sup>1</sup>
M22-2P	Handtight/White Collar <sup>1</sup>	M22-10	1/4" NPT Male w/Wrench Flats <sup>1</sup>	M22-6	1/8" NPT Female <sup>1</sup>
M22-2PC	Handtight/Yellow Collar <sup>1</sup>	M22-11	1/4" NPT Male w/Wrench Flats & O-Ring <sup>1</sup>	M22-7	1/4" Hose Barb <sup>1</sup>
	M22-2P	M22-12	1/4" Hose Barb <sup>1</sup>		M22-5
	M22-2	M22-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		
		M22-16	O-Ring Replacement		
		M22-18	5/16" Hose Barb <sup>1</sup>		
		M22-19	5/16" Hose Barb O-Ring <sup>1</sup>		
			M22-9		M22-12
EVACUATION DISS 2220 7/8-14 Thread					
M26-1	1" Hex <sup>1</sup>	M26-18	5/16" Hose Barb <sup>1</sup>	M26-5	1/4" NPT Male <sup>1</sup>
	M26-1	M26-19	5/16" Hose Barb w/O-Ring <sup>1</sup>		M26-5
		M00-5	Retaining Ring <sup>2</sup>		
			M26-19		M00-5
OXYGEN/CARBON DIOXIDE MIXTURES Carbon Dioxide <7% DISS 1200A 3/4-16 Thread 200 PSI Maximum					
M20-1	7/8" Hex <sup>1</sup>	M20-12	1/4" Hose Barb <sup>1</sup>	M20-5	1/4" NPT Male <sup>1</sup>
	M20-1	M20-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		M20-5
		M20-16	O-Ring Replacement		
					
CARBON DIOXIDE, CARBON DIOXIDE-OXYGEN MIXTURES Carbon Dioxide >7% DISS 1080A 3/4-16 Thread 200 PSI Maximum					
M08-1	7/8" Hex <sup>1</sup>	M08-8	1/8" NPT Male w/Wrench Flats <sup>1</sup>	M08-5	1/4" NPT Male <sup>1</sup>
M08-2	Handtight (Brass) <sup>1</sup>	M08-9	1/8" NPT Male w/Wrench Flats and O-Ring <sup>1</sup>		M08-5
	M08-1	M08-12	1/4" Hose Barb <sup>1</sup>		
		M08-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		
		M08-16	O-Ring Replacement		
HELIUM, HELIUM OXYGEN MIXTURES Helium > 80% DISS 1060A 3/4-16 Thread 200 PSI Maximum					
M06-1	7/8" Hex <sup>1</sup>	M08-16	O-Ring Replacement	M06-5	1/4" NPT Male <sup>1</sup>
M06-2	Handtight (Brass) <sup>1</sup>				M06-5
	M06-1				
HELIUM OXYGEN MIXTURES - HELIUM < 80% DISS 1180A					
M18-1	7/8" HEX <sup>1</sup>	M18-12	1/4" Hose Barb <sup>1</sup>	M18-5	1/4" NPT Male <sup>1</sup>
M18-2	Handtight (Brass) <sup>1</sup>	M18-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		
SPECIAL MIXTURES DISS 1020A 3/4-16 Thread 200 PSI Maximum					
M02-1	7/8" Hex <sup>1</sup>	M02-12	1/4" Hose Barb <sup>1</sup>	M02-5	1/4" NPT Male <sup>1</sup>
M02-2	Handtight (Brass) <sup>1</sup>	M02-13	1/4" Hose Barb w/O-Ring <sup>1</sup>		M02-5
	M02-1	M02-16	O-Ring Replacement		
		M00-5	Retaining Ring <sup>2</sup>		
			M02-12		M00-5







Important: Hose used on straight barbed hose fittings should be secured with crimp-style hose ferrules or proper clamps. Nipples with O-Ring should be used when using handtight nuts to insure proper seal.

- <sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- <sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

NIPPLES AND EXTENSIONS Chrome-Plated Brass		
NIPPLES	EXTENSIONS	Y-CONNECTOR
3000 PSI Max	3000 PSI Max	1000 PSI Max
<b>MA-26</b> 1/8" NPT Male to 1/8" NPT Male x 1-1/2" <sup>1</sup>	<b>MA-32</b> 1/8" NPT Female to 1/8" NPT Male x 2-1/2" <sup>1</sup>	<b>MY-5</b> 1/4" NPT Male Inlet to 1/4" NPT Female Outlets <sup>1</sup>
<b>MA-27</b> 1/8" NPT Male to 1/8" NPT Male x 2-1/2" <sup>1</sup>	<b>MA-33</b> 1/4" NPT Female to 1/4" NPT Male x 3" <sup>1</sup>	<b>MY-6</b> 1/8" NPT Female Inlet to 1/4" NPT Female Outlets <sup>1</sup>
<b>MA-28</b> 1/8" NPT Male to 1/8" NPT Male x 3-1/2" <sup>1</sup>		
<b>MA-29</b> 1/4" NPT Male to 1/4" NPT Male x 1-1/2" <sup>1</sup>		
<b>MA-30</b> 1/4" NPT Male to 1/4" NPT Male x 2-1/2" <sup>1</sup>		
 <b>MA-30</b>	 <b>MA-33</b>	 <b>MY-6</b>

CROSSES & TEES 1000 PSI Max Chrome-Plated Brass		
BRANCH TEES	STREET TEES	CROSSES
<b>MA-18</b> 1/8" NPT (3) Female <sup>1</sup>	<b>MA-22</b> 1/8" NPT Female (2) x 1/8" NPT Male <sup>1</sup>	<b>MA-24</b> 1/8" NPT Female x 4 <sup>1</sup>
<b>MA-19</b> 1/4" NPT (3) Female <sup>1</sup>	<b>MA-23</b> 1/4" NPT Female (2) x 1/4" NPT Male <sup>1</sup>	<b>MA-25</b> 1/4" NPT Female x 4 <sup>1</sup>
<b>MA-20</b> 1/8" NPT Male to 1/8" NPT (2) Female <sup>1</sup>		
<b>MA-21</b> 1/4" NPT Male to 1/4" NPT (2) Female <sup>1</sup>		
 <b>MA-19</b>	 <b>MA-23</b>	 <b>MA-25</b>



ADAPTOR BLOCKS Chrome-Plated Brass		
90° w/PIPE THREADS	TEE w/PIPE THREADS	POWER TAKE-OFF ADAPTOR
3000 PSI Max	3000 PSI Max	200 PSI Max
<b>MGA-2</b> 1/8" NPT Female to 1/4" NPT Female <sup>1</sup>	<b>MT-2</b> 1/4" NPT (3) Female x 2" <sup>1</sup>	<b>MT-5</b> 1/8" NPT Male to 1/8" NPT (2) Female <sup>1</sup>
<b>MGA-4</b> 1/4" NPT Female to 1/4" NPT Female <sup>1</sup>	<b>MT-3</b> 1/4" NPT (3) Female x 3-1/8" <sup>1</sup>	<b>M24-60</b> Demand Valve Assembly (MT-5 & M24-40) <sup>1</sup>
<b>MGA-5</b> 1/4" NPT Male to 1/4" NPT (2) Female <sup>1</sup>		
 <b>MGA-5</b>	 <b>MT-2</b>	 <b>MT-5</b>  <b>M24-60</b>


BUSHINGS, COUPLERS, PLUGS 3000 PSI Max.		
BUSHINGS: PIPE x PIPE THREAD	COUPLERS: PIPE x PIPE THREAD	PLUGS: PIPE THREAD
<b>MA-1</b> 1/8" NPT Male to 1/8" NPT Male <sup>1</sup>	<b>MA-4</b> 1/8" NPT Female to 1/8" NPT Female <sup>1</sup>	<b>MA-35</b> 7/16" Hex to 1/8" NPT Male <sup>1</sup>
<b>MA-2</b> 1/4" NPT Male to 1/4" NPT Male <sup>1</sup>	<b>MA-5</b> 1/4" NPT Female to 1/4" NPT Female <sup>1</sup>	<b>MA-36</b> 5/8" Hex to 1/4" NPT Male <sup>1</sup>
<b>MA-3</b> 1/4" NPT Male to 1/8" NPT Male <sup>1</sup>		
<b>MA-7</b> 1/8" NPT Female to 1/8" NPT Male <sup>1</sup>	 <b>MA-5</b>	 <b>MA-36</b>
<b>MA-8</b> 1/4" NPT Female to 1/4" NPT Male <sup>1</sup>		
<b>MA-9</b> 1/4" NPT Female to 1/8" NPT Male <sup>1</sup>		
<b>MA-10</b> 1/8" NPT Female to 1/4" NPT Male <sup>1</sup>		
<b>MA-37</b> 1/8" NPT Male to 1/8" NPT Male <sup>1</sup>		
 <b>MA-3</b>		
ANGLE ADAPTORS 1000 PSI Max.		
90° PIPE x PIPE THREAD	45° PIPE x PIPE THREAD	
<b>MA-11</b> 1/8" NPT Female to 1/8" NPT Female <sup>1</sup>	<b>MA-13</b> 1/8" NPT Female to 1/8" NPT Male <sup>1</sup>	<b>MA-16</b> 1/8" NPT Female to 1/8" NPT Male <sup>1</sup>
<b>MA-12</b> 1/4" NPT Female to 1/4" NPT Female <sup>1</sup>	<b>MA-14</b> 1/4" NPT Female to 1/8" NPT Male <sup>1</sup>	<b>MA-17</b> 1/4" NPT Female to 1/4" NPT Male <sup>1</sup>
<b>MA-13</b> 1/8" NPT Female to 1/8" NPT Male <sup>1</sup>		
 <b>MA-11</b>	 <b>MA-14</b>	 <b>MA-16</b>


<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).


# BARB HOSE FITTINGS, FERRULES AND CRIMPERS


## HOSE FITTINGS FOR HOSE ID 3/16", 1/4", 5/16", 3/8" 200 PSI Max.

NPT MALE TO BARB		NPT FEMALE TO BARB		HOSE BARB SPLICERS	
<b>MH-5</b>	1/8" NPT Male to 1/8" Hose Barb <sup>1</sup>	<b>MH-12</b>	1/8" NPT Female to 1/8" Hose Barb <sup>1</sup>	<b>MH-2</b>	3/16" Hose Barb Splicer <sup>1</sup>
<b>MH-6</b>	1/8" NPT Male to 3/16" Hose Barb <sup>1</sup>	<b>MH-13</b>	1/8" NPT Female to 3/16" Hose Barb <sup>1</sup>	<b>MH-1</b>	1/4" Hose Barb Splicer <sup>1</sup>
<b>MH-7</b>	1/8" NPT Male to 1/4" Hose Barb <sup>1</sup>	<b>MH-14</b>	1/8" NPT Female to 1/4" Hose Barb <sup>1</sup>		
<b>MH-8</b>	1/4" NPT Male to 1/8" Hose Barb <sup>1</sup>	<b>MH-15</b>	1/4" NPT Female to 1/8" Hose Barb <sup>1</sup>		<b>MH-1</b>
<b>MH-9</b>	1/4" NPT Male to 3/16" Hose Barb <sup>1</sup>	<b>MH-16</b>	1/4" NPT Female to 3/16" Hose Barb <sup>1</sup>		
<b>MH-10</b>	1/4" NPT Male to 1/4" Hose Barb <sup>1</sup>	<b>MH-17</b>	1/4" NPT Female to 1/4" Hose Barb <sup>1</sup>		<b>MH-2</b>
<b>MH-11</b>	1/4" NPT Male to 3/8" Hose Barb <sup>1</sup>	<b>MH-18</b>	1/4" NPT Female to 3/8" Hose Barb <sup>1</sup>		
<b>MH-20</b>	1/4" NPT Male to 5/16" Hose Barb <sup>1</sup>	<b>MH-21</b>	1/4" NPT Female to 5/16" Hose Barb <sup>1</sup>		

 **MH-10**

 **MH-17**

 **MH-8**

 **MH-19**

## HOSE FERRULES AND CRIMPERS

FERRULE	FITS WESTERN HOSE	CRIMPER
<b>M-624-A</b>	MH4-XXN 1/4" ID Non-Conductive	CR-100 <sup>1</sup>
<b>M-625-A</b>	MH4-XXA 1/4" ID Conductive	CR-100 <sup>1</sup>
<b>M-625-A</b>	MH4-XXC 1/4" ID Non-UL	CR-100 or MC-4 <sup>1</sup>
<b>M-620</b>	MH3-00N 3/16" ID Non-Conductive	MC-4 <sup>1</sup>
<b>M-K-K</b>	MH5-22C 5/16" ID Non-UL	CR-100 or MC-4 <sup>1</sup>
<b>M-K-K</b>	MH5-26N 5/16" ID Non-Conductive	CR-100 or MC-4 <sup>1</sup>



Nickel Plated Brass Ferrules, for use with 200 PSig Max. Hose assembly.

(See pages 48-49 for Custom Hose Assemblies and Hose Identification.)

## FERRULES<sup>1</sup>

MODEL	ID	LENGTH	CRIMPER*
<b>M-620</b>	.410	1/2"	C-5A
<b>M-769</b>	.450	9/16"	C-5A and CR-100
<b>M-4750</b>	.478	11/16"	CR-100
<b>M-7322</b>	.500	1"	CR-100
<b>M-624-A</b>	.500	5/8"	CR-100
<b>M-624</b>	.500	1/2"	CR-100
<b>M-7323</b>	.525	1"	CR-100
<b>M-625-A</b>	.525	5/8"	MC-4
<b>M-625</b>	.525	1/2"	MC-4
<b>M-626</b>	.548	31/64"	MC-4
<b>M-K-K</b>	.575	31/64"	MC-4









\*Recommended Crimper selection based on Ferrule outside diameter (OD). Hose type and size may affect Ferrule and Crimper selection. All hose assemblies should be tested prior to using.

## CRIMPERS

	MODEL	DESCRIPTION
Vise-Grip® Style	<b>MC-4<sup>2</sup></b>	For 3/16" and 1/4" ID Hose

- <sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- <sup>2</sup> **⚠ WARNING:** This product can expose you to chromium (hexavalent compounds), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## MEDICAL AIR - NITROGEN - NITROUS OXIDE - SUCTION

NON-CORROSIVE GASES 1/4 NPT THREADS 200 PSI Max Inlet		
DEMAND VALVES	CHECK VALVES	REVERSE FLOW VALVES
<b>MEDICAL AIR</b> 850 SCFH Flow @ 50 PSI <b>M16-40</b> 1/8" NPT Male <sup>1</sup> <b>M16-50</b> 1/4" NPT Male <sup>1</sup>  <b>M16-40</b>	<b>MEDICAL AIR</b> 50 PSI <b>M16-4CV</b> DISS 1160-A X 1/8" NPT Male <sup>1</sup> <b>M16-5CV</b> DISS 1160-A 1/4" NPT Male <sup>1</sup>  <b>M16-4CV</b>	<b>NON-CORROSIVE GASES</b> <b>MCV-4</b> Flow into 1/4" NPT male Inlet to 1/4" NPT male <sup>1</sup>  <b>MCV-4</b>  <b>MCV-5</b> Flow into 1/4" NPT Male Inlet to 1/4" NPT Female Outlet <sup>1</sup>  <b>MCV-5</b>  <b>MCV-6</b> Flow into 1/4" NPT Female to 1/4" NPT Male Outlet <sup>1</sup>  <b>MCV-6</b>  <b>MCV-7</b> Flow into 1/4" NPT Female inlet to 1/4" NPT Female Outlet <sup>1</sup>  <b>MCV-7</b>
<b>NITROGEN</b> 1000 SCFH Flow @ 175 PSI <b>M12-50</b> 1/4" NPT Male <sup>1</sup>  <b>M12-50</b>	<b>NITROGEN</b> 50 PSI <b>M12-5CV</b> DISS 1160-A 1/4" NPT Male <sup>1</sup>	
<b>NITROUS OXIDE</b> 650 SCFH Flow @ 50 PSI <b>M04-40</b> 1/8" NPT Male <sup>1</sup> <b>M04-50</b> 1/4" NPT Male <sup>1</sup>		
<b>SUCTION</b> 180 SCFH Flow @ 50 PSI <b>M22-50</b> 1/4" NPT Male <sup>1</sup>		
<b>WAGD</b> <b>M26-50</b> 1/4" NPT Male <sup>1</sup>		
<b>CARBON DIOXIDE</b> <b>M08-50</b> 1/4" NPT Male <sup>1</sup>		
<b>MD-1</b> 1/8" NPT Male to 1/8" NPT Female <sup>1</sup> <b>MD-2</b> 1/4" NPT Male to 1/8" NPT Female <sup>1</sup> <b>MD-3</b> 1/4" NPT Male to 1/4" NPT Female <sup>1</sup>  <b>MD-2</b>	<b>Important:</b> Must be used with demand valve when plunger hole depth is not sufficient to clear forward travel of plunger when connection is made. Always check for full flow after installation.	

### DEMAND VALVES

Gas is checked w/out connection being made. Flow occurs when proper connection is made.

### CHECK VALVES

Gas flows into and through the DISS portion of the fitting and is checked in the opposite direction. Does not operate as a demand valve.

### REVERSE CHECK VALVES

For inline gas flow. Prevents backflow of gases.

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## PIN INDEX YOKES 3000 PSI MAX












CGA-346 Male Outlet	1/4 NPT Male Outlet	1/2 NPT Male Outlet
 <b>M95-1</b>	 <b>M95-4</b>	 <b>M95-8</b>

## YOKES

Yokes rated 3000 PSI Max					
<b>Nitrogen</b> CGA-960	<b>M960-4</b>	1/4 NPT Male <sup>1</sup>	<b>Nitrous Oxide</b> CGA-910	<b>M91-1</b>	CGA-326 Male <sup>1</sup>
	<b>M960-8</b>	1/2 NPT Male <sup>1</sup>		<b>M91-4</b>	1/4 NPT Male <sup>1</sup>
				<b>M91-4CV</b>	1/4 NPT Male w/Check Valve <sup>1</sup>
				<b>M91-8</b>	1/2 NPT Male <sup>1</sup>
<b>Nitrous Oxide &amp; Oxygen mixtures</b>			<b>Carbon Dioxide &amp; Oxygen mixtures</b>		
N <sub>2</sub> O 47.5% to 52.5% CGA-965			CO <sub>2</sub> Not over 7% CGA-880	<b>M88-4</b>	1/4 NPT Male <sup>1</sup>
	<b>M965-4</b>	1/4 NPT Male <sup>1</sup>			
	<b>M965-8</b>	1/2 NPT Male <sup>1</sup>			
<b>Carbon Dioxide &amp; Carbon Dioxide &amp; Oxygen mixtures</b>			<b>Helium &amp; Oxygen mixtures</b>		
CO <sub>2</sub> over 7% CGA-940	<b>M94-4</b>	1/4 NPT Male <sup>1</sup>	He Not over 80% CGA-890	<b>M89-4</b>	1/4 NPT Male <sup>1</sup>
	<b>M94-8</b>	1/2 NPT Male <sup>1</sup>			
<b>Helium &amp; Helium &amp; Oxygen mixtures</b>			<b>Non-corrosive, Non-flammable mixtures</b>		
He Not over 80% CGA-930	<b>M93-4</b>	1/4 NPT Male <sup>1</sup>	CGA-973	<b>M973-1</b>	CGA-500 Female <sup>1</sup>
				<b>M973-4</b>	1/4 NPT Male <sup>1</sup>
<b>Medical Air</b>					
CGA-950	<b>M95-1</b>	CGA-346 Male <sup>1</sup>			
	<b>M95-4</b>	1/4 NPT Male <sup>1</sup>			



See CGA chart on inside back cover of catalog.

## YOKE REPLACEMENT PARTS

			
<b>M00-3</b> T-Handle <sup>1</sup>	<b>M86-4CV-1</b> 1/4 NPT Male Stem w/Check Valve <sup>1</sup>	<b>M87-1-1A</b> CGA-540 Stem <sup>1</sup>	<b>2544-2</b> Brass and Viton Washer <sup>1</sup>
			
<b>M00-9</b> T-Handle w/6" Grip <sup>1</sup>	<b>M86-4-1A</b> 1/4 NPT Male Stem <sup>1</sup>	<b>MCP370</b> Handtight Yoke Screw <sup>1</sup>	<b>MW-87</b> Halar Washer
			
<b>M86-8-1A</b> 1/2 NPT Male Stem <sup>1</sup>	<b>10-YB</b> Swivel Yoke Body Only Nitrous Oxide <sup>1</sup>	<b>10-YA</b> Swivel Yoke Body Only – Oxygen	














<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**MEDICAL AIR      NITROUS OXIDE      NITROGEN      HELIUM**

COUPLER TEES	Nitrous Oxide	Medical Air	Nitrogen or Helium	
w/Cylinder Valve Inlet and Two Same CGA Outlets 3000 PSI Max				
M32-16	CGA-326	Nitrous Oxide w/Female Inlet to 2 Male Outlets <sup>1</sup>		 <b>M34-16</b>
M34-16	CGA-346	Medical Air w/Female Inlet to 2 Male Outlets <sup>1</sup>		
M58-16	CGA-580	Nitrogen or Helium w/Male Inlet to 2 Female Outlets <sup>1</sup>		
PLUG & CHAIN ASSEMBLY Medical Air				
Provides gas tight seal		3000 PSI Max.		 <b>M34-22</b>
M34-22	CGA-346	Medical Air <sup>1</sup>		

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# HIGH PRESSURE CYLINDER CONNECTIONS

CYLINDER CONNECTIONS 3000 PSI Max			
NUTS		NIPPLES	
<b>MEDICAL AIR</b> CGA-346 .830-14 NGO RH Internal Thread		<b>M34-4</b> 1/4" NPT Male, 2-1/2" Length <sup>1</sup>	
<b>M34-1</b> 1-1/8" Hex Nut <sup>1</sup>		<b>M34-5</b> 1/4" NPT Male, 2-1/2" Length w/Filter <sup>1</sup>	
<b>M34-10</b> Handtight (Brass) <sup>1</sup>		<b>M34-5CV</b> 1/4" NPT Male, 2-1/2" Length w/Filter and Check Valve <sup>1</sup>	
<b>M34-10P</b> Handtight w/Black Plastic Grip <sup>1</sup>		<b>M34-11</b> 1/4" NPT Male, 2-1/2" Length w/Soft Tip <sup>1</sup>	
		<b>M34-12</b> Soft Tip Replacement	
	<b>M34-10</b>		<b>M34-10P</b>
			<b>M34-5</b>
<b>NITROGEN</b> OR <b>HELIUM</b> CGA-580 .960-14 NGO RH External Thread		<b>M58-3</b> 1/4" NPT Male, 2-1/2" Length w/Filter <sup>1</sup>	
<b>M58-1</b> 1-1/8" Hex Nut <sup>1</sup>		<b>M58-3CV</b> 1/4" NPT Male, 2-1/2" Length w/Filter and Check Valve <sup>1</sup>	
<b>M58-10</b> Handtight (Brass) <sup>1</sup>		<b>M58-5</b> 1/4" NPT Male, 3" Length w/Filter <sup>1</sup>	
<b>M58-10P</b> Handtight w/Black Plastic Grip <sup>1</sup>		<b>M58-7</b> 1/4" NPT Male, 3-1/2" Length w/Filter <sup>1</sup>	
		<b>M58-11</b> 1/4" NPT Male, 3" Length w/Filter w/O-Ring <sup>1</sup>	
		<b>M58-13</b> 1/4" NPT Male, 3" Length w/Soft Tip <sup>1</sup>	
	<b>M58-1</b>		<b>M58-5</b>
<b>NITROUS OXIDE</b> CGA-326 .830-14 NGO RH Internal Thread		<b>M32-4</b> 1/4" NPT Male, 2-1/2" Length <sup>1</sup>	
<b>M32-1</b> 1-1/8" Hex Nut <sup>1</sup>		<b>M32-5</b> 1/4" NPT Male, 2-1/2" Length w/Filter <sup>1</sup>	
<b>M32-10</b> Handtight (Brass) <sup>1</sup>		<b>M32-5CV</b> 1/4" NPT Male, 2-1/2" Length w/Filter and Check Valve <sup>1</sup>	
<b>M32-10P</b> Handtight w/Black Plastic Grip <sup>1</sup>		<b>M32-11</b> 1/4" NPT Male, 2-1/2" Length w/Soft Tip <sup>1</sup>	
	<b>M32-1</b>		<b>M32-11</b>
<b>CARBON DIOXIDE</b> CGA-320 .830-14 NGO RH Internal Thread		<b>M30-2</b> 1/4" NPT Male, 2" length w/Washer <sup>1</sup>	
<b>M30-1</b> 1-1/8" Hex Nut <sup>1</sup>		<b>M30-4</b> 1/4" NPT Male, 2-1/2" length w/Washer <sup>1</sup>	
<b>M30-10P</b> Handtight w/Black Plastic Grip <sup>1</sup>		<b>M30-5</b> 1/4" NPT Male, 2-1/2" length w/Washer and Filter <sup>1</sup>	
		<b>M30-5CV</b> 1/4" NPT Male, 2-1/2" length w/Washer/Filter/Check Valve <sup>1</sup>	
	<b>M30-1</b>		<b>M30-4</b>
<b>MEDICAL BREATHING MIXTURES</b> CGA-280 .750-14 NGO RH Internal Thread		<b>M28-4</b> 1/4" NPT Male, 2-1/2" Length <sup>1</sup>	
<b>M28-1</b> 1-1/8" Hex Nut <sup>1</sup>		<b>M28-5</b> 1/4" NPT Male, 2-1/2" Length w/Filter <sup>1</sup>	
<b>M28-10P</b> Handtight w/Black Plastic Grip <sup>1</sup>		<b>M28-11</b> 1/4" NPT Male, 2-1/2" Length w/Soft Tip <sup>1</sup>	
		<b>M28-12</b> Soft Tip Replacement	
	<b>M28-1</b>		<b>M28-5</b>
<b>MEDICAL MIXTURES</b> CGA-500 .830-14 NGO RH External Thread		<b>M50-3</b> 1/4" NPT Male, 2-1/2" Length w/Filter <sup>1</sup>	
<b>M50-1</b> 1-1/8" Hex Nut <sup>1</sup>		<b>M50-7</b> 1/4" NPT Male, 3-1/2" Length w/Filter <sup>1</sup>	
<b>M50-10</b> Handtight (Brass) <sup>1</sup>		<b>M58-11</b> 1/4" NPT Male, 3" Length w/O-Ring <sup>1</sup>	
<b>M50-10P</b> Handtight w/Black Plastic Grip <sup>1</sup>			
	<b>M50-1</b>		<b>M50-3</b>

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**MG-C29**



**MG-C14**



**MG-C58**



## BOTTOM PORT

<b>MG-C9</b>	4000 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>
<b>MG-C11</b>	100 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>
<b>MG-C13</b>	4000 PSI	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>
<b>MG-C14</b>	30 PSI	2" OD	1/4" NPT	Chrome
<b>MG-C15</b>	60 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>

<b>MG-C16</b>	200 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>
<b>MG-C17</b>	400 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>
<b>MG-C18</b>	600 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>
<b>MG-C19</b>	1000 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>

## NITROUS OXIDE Blue face w/white letters

<b>MG-C29</b>	2000 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>
<b>MG-C30</b>	100 PSI	2" OD	1/4" NPT	Chrome <sup>1</sup>

## VACUUM

<b>MG-C58</b>	30 inHg Vac Back Port	1-1/2" OD	1/8" NPT	Chrome <sup>1</sup>
---------------	--------------------------	-----------	----------	---------------------

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# OXYGEN DUAL "Y" OUTLET DEMAND VALVE COUPLERS

INLET CONNECTIONS	OXYGEN DISS 1240	MEDICAL AIR DISS 1160-A	SUCTION DISS 1220
1/8" NPT Female Without Connector <sup>1</sup>	<b>M24-70</b>	<b>M16-70</b>	<b>M22-70</b>
1/4" NPT Female Without Connector <sup>1</sup>	<b>M24-71</b>	<b>M16-71</b>	<b>M22-71</b>
DISS Hex Nut and Nipple <sup>1</sup> 	<b>M24-74</b>	<b>M16-74</b>	<b>M22-74</b>
DISS Handtight Nut and Nipple* <sup>1</sup> 	<b>M24-75</b>	<b>M16-75</b>	<b>M22-75</b>
Chemetron® Adaptor* <sup>1</sup> 	<b>M24-76</b>	<b>M16-76</b>	<b>M22-76</b>
Ohmeda® Adaptor* <sup>1</sup> 	<b>M24-77</b>	<b>M16-77</b>	<b>M22-77</b>
Oxequip® Adaptor <sup>1</sup> 	<b>M24-78</b>	<b>M16-78</b>	<b>M22-78</b>
Puritan® Adaptor <sup>1</sup> 	<b>M24-79</b>	<b>M16-79</b>	<b>M22-79</b>

50 PSI Nominal Working Pressure

\*Canadian color-coding available on most models, add "C" to part number. Example: M24-77C

Product not to scale.



**M24-70**

(2 Outlet Style)







Example:

**M24-75**

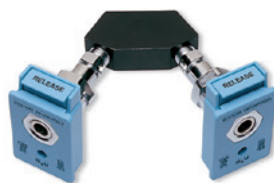
2 outlet style with  
DISS Handtight Nut  
& Nipple Connection

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemetron® OR Y-Couplers					Ohmeda® OR Y-Couplers			
INLET CONNECTIONS	OXYGEN	MEDICAL AIR	NITROUS OXIDE	SUCTION	OXYGEN	MEDICAL AIR	NITROUS OXIDE	SUCTION
1/8" NPT Female Without Connector <sup>1</sup>	OR101-70	OR102-70	OR103-70	OR104-70	OR201-70	OR202-70	OR203-70	OR204-70
DISS Hex Nut and Nipple <sup>1</sup> 	OR101-74	OR102-74	OR103-74	OR104-74	OR201-74	OR202-74	OR203-74	OR204-74
DISS Handtight Nut and Nipple* <sup>1</sup> 	OR101-75	OR102-75	OR103-75	OR104-75	OR201-75	OR202-75	OR203-75	OR204-75
Chemetron® Adaptor* <sup>1</sup> 	OR101-76	OR102-76	OR103-76	OR104-76	OR201-76	OR202-76	OR203-76	OR204-76
Ohmeda® Adaptor* <sup>1</sup> 	OR101-77	OR102-77	OR103-77	OR104-77	OR201-77	OR202-77	OR203-77	OR204-77

50 PSI Nominal Working Pressure

\*Canadian color-coding available on most models, add "C" to part number. Example: OR201-75C



**OR103-70**



**OR201-70**



Example:

**OR101-76**  
Chemetron® OR Y-Coupler  
with Chemetron® Adaptor



Example:

**OR204-76**  
Ohmeda® OR Y-Coupler  
with Chemetron® Adaptor

<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# MEDICAL HOSES



## ① HOSE TYPE    ② HOSE SIZE    ③ GAS SERVICE    ④ HOSE COLOR    ⑤ HOSE LENGTH    ⑥ and ⑦ INLET-OUTLET CONNECTIONS

C = Conductive N = Non-Conductive	4 = 1/4" 5 = 5/16"	AI Medical Air OXY Oxygen SUC Suction NI Nitrogen N <sub>2</sub> Nitrous Oxide CO Carbon Dioxide	U.S. Color Designation Default <i>Refer to chart for Canadian Color Codes</i>	Specify Hose Length in Inches Minimum of 12"	FNN Female Nut and Nipple MBA Male Body Adaptor MP2 Male Pipe 1/8" FP2 Female Pipe 1/8" OHM Ohmeda® Male PBM Puritan® Male CHM Chemetron® Male BLK Blank End FHT Female Handtight DBA Demand Body Adaptor MP4 Male Pipe 1/4" FP4 Female Pipe 1/4" OHF Ohmeda® Female OXM Oxequip® Male SHF Schrader® Female CHF Chemetron® Female
--------------------------------------	-----------------------	---	--	---	--

### HOW TO ORDER:

Western's custom hose assemblies conform to CGA standards. All assemblies are cleaned and poly-bagged for delivery. To order, select your requirements from the above charts.

### GAS DESIGNATION/HOSE COLOR CHART

Gas	USA			CANADA		
	Designation		Color	Designation		Color
Medical Air	AI	–	Yellow	AI	K	Black
Oxygen	OX	–	Green	OX	W	White
Suction	SU	–	White	SU	Y	Yellow
Nitrogen	NI	–	Black	NI	–	Black
Nitrous Oxide	N2	–	Blue	N2	–	Blue
Carbon Dioxide	CO	–	Grey	CO	–	Grey

### HOSE COLOR:

All medical hose color coding will default to USA standards unless otherwise specified.

### HOSE LENGTH REQUIREMENTS:

Hose length 12 inches minimum.

Lengths 12" to 60" (1 ft – 5 ft) are available in 6 inch increments only.

Lengths 60" to 300" (5 ft – 25 ft) are available in 12 inch (1 foot) increments only.

Lengths over 300" (25 feet) shall be in 60 inch (5 foot) increments only.

Conductive hose maximum length is 240 inches (20 feet) due to conductivity.

Non-conductive hose maximum length is 600 inches (50 feet).

### EXAMPLE

USA Part #: C4OX-120FNNFNN

Canadian Part #: C4OXW120FNNFNN

C Conductive Hose

4 1/4"

OX Oxygen (USA)

OXW Oxygen (Canada)

















120 120" Long

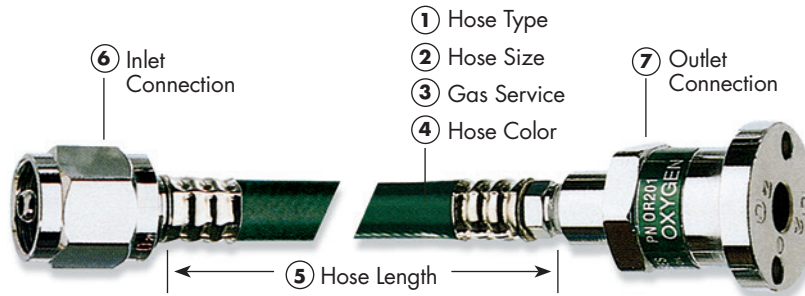
FNN Female Nut and Nipple Inlet

FNN Female Nut and Nipple Outlet

Note: For 90° Elbow add "L" before Inlet or Outlet code (LFNN)

## INLET-OUTLET CONNECTION OPTIONS

 <b>FNN</b> Diss Female Nut/Nipple <sup>1</sup>	 <b>FHT</b> Diss Female Handtight <sup>1</sup>	 <b>MBA</b> Male Body Adaptor <sup>1</sup>	 <b>DBA</b> Demand Body Adaptor <sup>1</sup>	 <b>MP2</b> Male Pipe 1/8" <sup>1</sup>	 <b>MP4</b> Male Pipe 1/4" <sup>1</sup>	 <b>FP2</b> Female Pipe 1/8" <sup>1</sup>	 <b>FP4</b> Female Pipe 1/4" <sup>1</sup>	 <b>BLK</b> Blank (no connection) <sup>1</sup>
 <b>OHM</b> Ohmeda® Male <sup>1</sup>	 <b>OHF</b> Ohmeda® Female <sup>1</sup>	 <b>PBM</b> Puritan® Male <sup>1</sup>	 <b>OXM</b> Oxquip® Male <sup>1</sup>	 <b>SHF</b> Schrader® Female <sup>1</sup>	 <b>CHF</b> Chemetron® Female <sup>1</sup>	 <b>CHM</b> Chemetron® Male <sup>1</sup>		















## REINFORCED MEDICAL HOSE

	 <b>MH4-24C</b>	 <b>MH4-16N</b>
<b>BULK HOSE</b>	<b>CONDUCTIVE, UL LISTED 250' REEL</b>	<b>NON-CONDUCTIVE 300' REEL</b>
CONDUCTIVE, UL LISTED 250 PSI Working Pressure 1000 PSI Burst Pressure	<b>MH4-04A</b> 1/4" ID, Nitrous Oxide (Blue) <b>MH4-12A</b> 1/4" ID, Nitrogen (Black) <b>MH4-16A</b> 1/4" ID, Medical Air (Yellow), Suction for Canada <b>MH4-22A</b> 1/4" ID, Suction (White), Oxygen for Canada <b>MH4-24A</b> 1/4" ID, Oxygen (Green)	<b>MH3-00N</b> 3/16" ID, General (Clear) <b>MH4-00N</b> 1/4" ID, General (Clear) <b>MH4-04N</b> 1/4" ID, Nitrous Oxide (Blue) <b>MH4-12N</b> 1/4" ID, Nitrogen (Black) <b>MH4-16N</b> 1/4" ID, Medical Air (Yellow), Suction for Canada <b>MH4-22N</b> 1/4" ID, Suction (White), Oxygen for Canada <b>MH4-24N</b> 1/4" ID, Oxygen (Green)
CONDUCTIVE, NON-UL LISTED 400 PSI Working Pressure 1600 PSI Burst Pressure	<b>CONDUCTIVE, NON-UL LISTED 300' REEL</b>	
NON-CONDUCTIVE 250 PSI Working Pressure 1000 PSI Burst Pressure	<b>MH4-04C</b> 1/4" ID, Nitrous Oxide (Blue) <b>MH4-08C</b> 1/4" ID, Carbon Dioxide (Grey) <b>MH4-12C</b> 1/4" ID, Nitrogen (Black) <b>MH4-16C</b> 1/4" ID, Medical Air (Yellow), Suction for Canada <b>MH4-22C</b> 1/4" ID, Suction (White), Oxygen for Canada <b>MH4-24C</b> 1/4" ID, Oxygen (Green) <b>MH5-22C</b> 5/16" ID, Suction (White), Oxygen for Canada	











<sup>1</sup> **⚠ WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# CGA GAS ASSIGNMENTS CHART












Standard. Medical Cylinder Pin Index Valve Yokes And Threaded  
Cylinder Connections for Pressures up to 3000 PSI (20680 kPa)

YOKE	THREAD	GAS ASSIGNMENT
870	540	 Oxygen
880	280	 Carbon Dioxide & Oxygen Mixture (CO <sub>2</sub> not over 7.0%)
890	280	 Helium & Oxygen Mixtures (Helium not over 80%)
890	280	 Nitrogen & Oxygen Mixtures (O <sub>2</sub> over 23.5%)
890	280	 Xenon & Oxygen Mixtures (O <sub>2</sub> over 20%)
910	326	 Nitrous Oxide
930	500	 Helium & Helium Oxygen Mixtures (Helium over 80%)
940	500	 Carbon Dioxide & Carbon Dioxide Oxygen Mixtures (CO <sub>2</sub> over 7%)
950	346	 Medical Air
965	280	 Nitrous Oxide & Oxygen Mixture (N <sub>2</sub> O 47.5 to 52.5%)
960	580	Nitrogen
973	500	 Nonflammable, Noncorrosive Gas Mixtures Labeled as Drugs or Medical Devices and not having another Connection Assignment * *This is the yoke connection for gas mixtures used with the CGA 500, which are not otherwise assigned.
973	500	 Carbon Dioxide, Oxygen, Nitrogen
973	500	Clinical Blood Gas Mixtures
973	500	Lung Diffusion Mixtures

DISS Connections 200 PSI Max.

DISS	GAS ASSIGNMENT
1020A	Special Mixtures (for limited experimental applications)
1040A	 Nitrous Oxide
1060A	 Helium, Helium-Oxygen Mixtures (Helium over 80%)
1080A	 Carbon Dioxide, Carbon Dioxide-Oxygen Mixtures (Carbon Dioxide over 7%)
1100A	
1120A	 Nitrogen
1140A	Ethylene
1160A	 Medical Air
1180A	 Oxygen-Helium Mixtures (Helium not over 80%)
1200A	 Oxygen-Carbon Dioxide Mixtures (Carbon Dioxide not over 7%)
1220	Suction (Vacuum)
1240	 Oxygen
2020	 Nitrous Oxide-Oxygen Mixtures (Nitrous Oxide 47.5% to 52.5%)
2040	 Oxygen or Oxygen Enriched Air Mixtures
2060	Xenon
2080	Instrument Air
2220	Gas Evacuation

## MEDICAL COLOR CODES

 Carbon Dioxide	 Nitrous Oxide/Oxygen Mix
 Helium	 Carbon Dioxide/Oxygen Mix
 Medical Air	 Helium/Oxygen Mix
 Nitrogen	 Nitrogen/Oxygen Mix
 Nitrous Oxide	 Xenon/Oxygen Mix
 Oxygen	

## EASY GUIDE TO WESTERN MEDICA PART NUMBERS

### MEDICAL GAS FITTINGS

HOW IT WORKS:

#### M24-1

(M=Medical 24=DISS 1240 1=Part#)

Medical Oxygen DISS Nut

#### M54-1

(M=Medical 54=CGA-540 1=Part #)

Medical Oxygen Cylinder Nut

#### M87-1

(M=Medical 87=CGA-870 1=Part #)

Medical Oxygen Yoke

### MEDICAL GAS REGULATORS

Part Number- **M1-540-FG**

(M=Medical 1=Single Stage 540=CGA-540 FG=Flow Gauge)

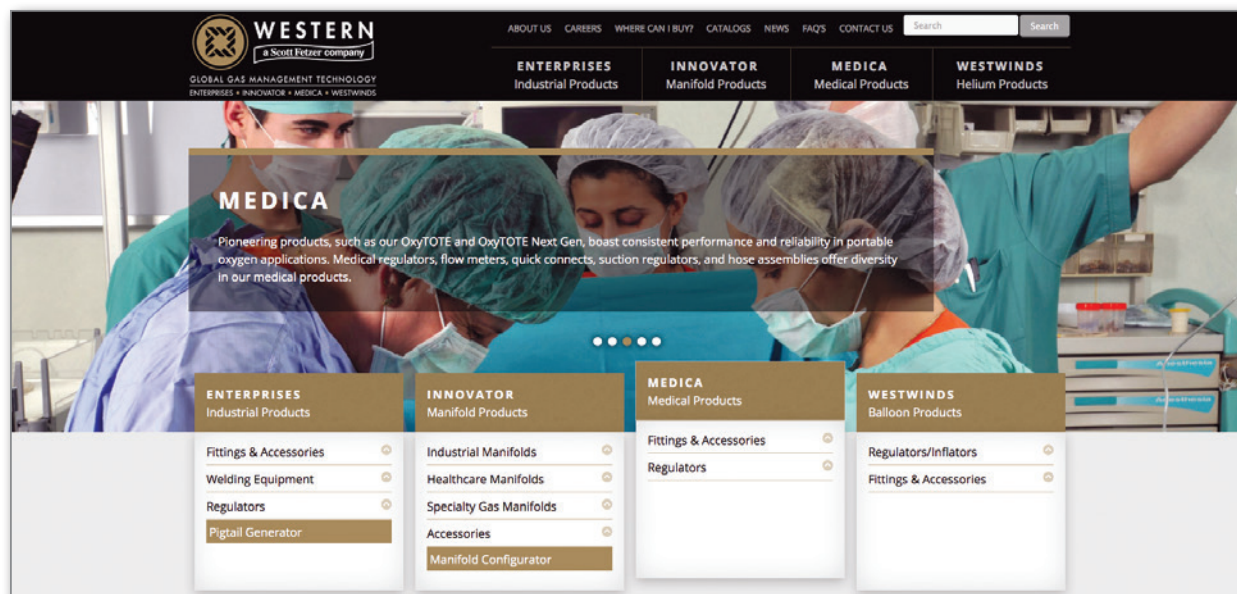
Description: Medical Single-Stage Oxygen Flow Gauge Regulator

## WESTERN MAKES IT EASIER...

Interested in the benefits of gas manifolds, but not interested in the complexities?

**Let Western's team of experienced sales, technical support, and engineering be your partner.**

Western knows the gas manifold specification process is complex. The Western Manifold Configurator helps to demystify the complexity of selecting the right manifold for your application. The Western Manifold Configurator will simplify the complex.



Visit [www.westernenterprises.com/configurator/](http://www.westernenterprises.com/configurator/) to activate our team that will work alongside you to determine your manifold needs, recommend a specific solution, and deliver a quality product to achieve success during the process.

### LIMITED WARRANTY INFORMATION

Western Enterprises warrants components of the products listed in this catalog to be free of manufacturing defects for the time periods listed below. Please read the Limited Warranty information included with the product for complete details.

Valve Integrated Pressure Regulators	5 years (OxyTote, OxyTote NG, AirTote)
Click Style Regulators	2 years (OPA, OPL, Titan)
MLR Regulators	1 year
Medical Regulators/Flowgauges	6 years (M1, M2)
Flowmeters	6 years (FM, FMA)
Click Style Flowmeters	2 years (CFM)
Transfill Equipment	1 year
Hoses	5 years
Fittings/Quick Connects	90 days
Carts, Racks, Stands	90 days
Bags	90 days

# INDEX BY PART NUMBER/MODEL NUMBER

Part / Model #	Page(s)	Part / Model #	Page(s)	Part / Model #	Page(s)	Part / Model #	Page(s)	Part / Model #	Page(s)	Part / Model #	Page(s)	Part / Model #	Page(s)	Part / Model #	Page(s)
10N77	34	M12-2P	37	M1-870-PED3	10	M24-30	31	M54-10	35	MA-27	39	MH3-00N	49	MQ301	27
10N80	34	M12-5	37	M1-870-PG	11	M24-31	31	M54-10P	35	MA-28	39	MH4-00N	49	MQ302	28
10NSP-2	34	M12-50	41	M1-870-PGB	14	M24-32	31	M54-11	35	MA-29	39	MH4-00A	49	MQ303	29
2544-2	9	M12-5CV	41	M1-880-PG	16	M24-33	31	M54-12	35	MA-3	39	MH4-04C	49	MQ304	30
C4OX-240FHTHT	9	M12-7	37	M1-890-P	12	M24-34	31	M54-13	35	MA-30	39	MH4-04N	49	MQ401	27
FM101	24	M12-8	37	M1-890-PG	16	M24-35	31	M54-16	35	MA-32	39	MH4-08C	49	MQ402	28
FM102	24	M1-280P	12	M1-910P	12	M24-36	31	M54-17	35	MA-33	39	MH4-12A	49	MQ403	29
FM103	24	M1-280-PG	16	M1-910-PG	11	M24-37	31	M54-2	35	MA-35	39	MH4-12C	49	MQ404	30
FM104	24	M1-280-PGB	14	M1-930-PG	16	M24-39	31	M54-22	35	MA-36	39	MH4-12N	49	MR-870-15FG	10
FM106	25	M12-9	37	M1-940-12FM	13	M24-4	31	M54-3	35	MA-37	39	MH4-16A	49	MR-870P	12
FM107	25	M1-320-12FM	13	M1-940P	16	M24-40	33	M54-4	35	MA-4	39	MH4-16C	49	MR-870-PED	10
FM108	25	M1-320-12FMH	13	M1-940-PG	16	M24-41	31	M54-5	35	MA-5	39	MH4-16N	49	MSG180500	15
FM109	25	M1-320P	12	M1-950-15FM	13	M24-42	31	M54-5CV	35	MA-6	39	MH4-22A	49	MSG180580	15
FM201	24	M1-320-PG	11	M1-950P	12	M24-43	31	M54-6	35	MA-7	39	MH4-22C	49	MSH15280	15
FM202	24	M1-320-PGB	14	M1-950-PG	11	M24-45P	32	M54-7	35	MA-8	39	MH4-22N	49	MSH15320	15
FM203	24	M1-320-PGH	11	M1-950-PGB	14	M24-45PGR	32	M58-1	44	MA-9	39	MH4-24A	49	MSH15326	15
FM204	24	M1-326P	12	M1-960P	12	M24-45PW	32	M58-10	44	MC-4	40	MH4-24C	49	MSH15346	15
FM208	25	M1-326-PG	11	M1-960-PG	11	M24-45PY	32	M58-10P	44	MCC1	22	MH4-24N	49	MSH15500	15
FM602	26	M1-326-PGH	11	M1-973-PG	16	M24-47	31	M58-11	44	MCC2	22	MH5	40	MSH15540	15
FM603	26	M1-346-15FM	13	M1-973-PGB	16	M24-48H	32	M58-13	44	MCS	23	MH5-22C	49	MSH15580	15
FM604	26	M1-346P	12	M1A-346P	12	M24-48S	32	M58-16	43	MCV-1	33	MH6	40	MSH15870	15
FM607	26	M1-346-PG	11	M1A-346-PH	12	M24-4CV	33	M58-3	44	MCV2	33	MH7	40	MSH15940	15
FM609	26	M1-346-PGH	11	M1A-540P	12	M24-5	31	M58-3CV	44	MCV3	33	MH8	40	MSH15960	15
FM802	26	M1-346-PH	12	M1A-540-PH	12	M24-50	33	M58-5	44	MCV4	41	MH9	40	MSH15973	15
FM803	26	M1-500P	12	M1A-870P	12	M24-5CV	33	M58-7	44	MCV5	41	MJC1	34	MSH180280	15
FMR100	17	M1-500-PG	16	M1A-910P	12	M24-6	33	M620	40	MCV6	41	MJC1P	34	MSH180346	15
HCC1-M	22	M1-500-PGB	14	M1A-940P	12	M24-60	39	M624	40	MCV7	41	MNR-600	7	MSH180500	15
HCC2-M	22	M1-500-PGH	11	M1A-950P	12	M24-7	31	M624-A	40	MCW-2B	19	MNR-800	7	MSH180540	15
HCC3-M	22	M1-500-PH	12	M20-1	38	M24-70	26	M625	40	MCW-2BC	19	MNS-602	7	MSH180580	15
HCC5-M	22	M1-540-15FG	10	M20-12	38	M24-71	46	M625-A	40	MCW-3P	19	MNS-603	7	MSH180870	15
HCS2-M	23	M1-540-15FM	13	M20-13	38	M24-74	46	M626	40	MCW-3PC	19	MNS-802	7	MSH180950	15
HCS3-M	23	M1-540-15FMH	13	M20-16	38	M24-75	46	M7322	40	MD-1	33	MNS-803	7	MSH180960	15
HPG-4949	34	M1-540-8FG	10	M20-5	38	M24-76	46	M7323	40	MD-2	33	MPV-4027	18	MSH450346	15
MO0-3	42	M1-540-8FM	13	M22-1	38	M24-77	46	M769	40	MD-3	33	MPV-872	18	MSH450540	15
MO0-5	37	M1-540-8FMH	13	M22-10	38	M24-78	46	M86-4-1A	42	MDM-8	9	MPV-872T	18	MSH450580	15
MO0-6	31	M1-540P	12	M22-11	38	M24-79	46	M86-4CV-1	42	MGA-2	39	MQ101	27	MSH450960	15
MO0-9	42	M1-540-PED	10	M22-12	38	M24-8	31	M86-8-1A	42	MGA-4	39	MQ101-1	27	MSH45280	15
MO2-1	38	M1-540-PED3	10	M22-13	38	M24-9	31	M87-1	36	MGA-5	39	MQ101-2	27	MSH45320	15
MO2-12	38	M1-540-PG	11	M22-16	38	M24-540-15FG	10	M87-1-1A	42	MGC-1	34	MQ101-3	27	MSH45346	15
MO2-13	38	M1-540-PGB	14	M22-18	38	M26-1	38	M87-4	36	MGC-11	45	MQ101-4	27	MSH45500	15
MO2-16	38	M1-540-PGH	11	M22-19	38	M26-18	38	M87-4CV	36	MGC-13	45	MQ101-5	27	MSH45540	15
MO2-2	38	M1-540-PH	12	M22-2	38	M26-19	38	M87-4S	36	MGC-14	45	MQ101-6	27	MSH45580	15
MO2-5	38	M1-580A-PH	12	M22-2P	38	M26-5	38	M87-8	36	MGC-15	45	MQ102	28	MSH45940	15
MO4-1	37	M1-580P	12	M22-2PC	38	M28-1	44	M88-4	42	MGC-16	45	MQ102-1	28	MSH45950	15
MO4-10	37	M1-580-PG	11	M22-4	38	M28-10P	44	M89-4	42	MGC-17	45	MQ102-2	28	MSH80280	15
MO4-11	37	M1-580-PH	12	M22-5	38	M28-11	44	M91-1	42	MGC-18	45	MQ102-3	28	MSH80320	15
MO4-12	37	M16-1	37	M22-50	38	M28-12	44	M91-4	42	MGC-19	45	MQ102-4	28	MSH80326	15
MO4-13	37	M16-10	37	M22-6	38	M28-4	44	M91-4CV	42	MGC-2	34	MQ102-5	28	MSH80346	15
MO4-14	37	M16-11	37	M22-7	38	M28-5	44	M91-8	42	MGC-23	34	MQ102-6	28	MSH80500	15
MO4-15	37	M16-12	37	M22-70	46	M30-1	44	M93-4	42	MGC-29	45	MQ104	30	MSH80540	15
MO4-16	37	M16-13	37	M22-71	46	M30-10P	44	M94-4	42	MGC-3	34	MQ104-1	30	MSH80580	15
MO4-2	37	M16-14	37	M22-74	46	M30-2	44	M94-8	42	MGC-30	45	MQ1043	30	MSH80950	15
MO4-2P	37	M16-15	37	M22-75	46	M30-4	44	M95-1	42	MGC-31	34	MT-2	27	MT-2	39
MO4-4	37	M16-16	37	M22-76	46	M30-5	44	M95-4	42	MGC-32	34	MQ201-1	27	MT-3	39
MO4-40	41	M16-2	37	M22-77	46	M30-5CV	44	M95-8	42	MGC-34	34	MQ201-2	27	MT-5	39
MO4-5	37	M16-2P	37	M22-78	46	M32-1	44	M960-4	42	MGC-4	34	MQ201-3	27	MTT-1K	21
MO4-50	41	M16-2PC	37	M22-79	46	M32-10	44	M960-8	42	MGC-5	34	MQ201-4	27	MTT2K	21
MO4-6	37	M16-4	37	M22-8	38	M32-10P	44	M965-4	42	MGC-58	45	MQ201-5	27	MTT3K	21
MO4-7	37	M16-40	41	M22-9	38	M32-11	44	M965-8	42	MGC-6	34	MQ201-6	27	MW-87	21
MO4-8	37	M16-4CV	41	M24-1	31	M32-16	43	M973-1	42	MGC-63	34	MQ202	28	MY-1	32
MO4-9	37	M16-5	37	M24-10	31	M32-4	44	M973-4	42	MGC-67	34	MQ202-1	28	MY-5	39
MO6-1	38	M16-50	41	M24-11	31	M32-5	44	MA-1	39	MGC-7	34	MQ202-2	28	MY-6	39
MO6-2	38	M16-5CV	41	M24-12	31	M32-5CV	44	MA-10	39	MGC-75	34	MQ202-3	28	MY-7	32
MO6-5	38	M16-6	37	M24-13	31	M34-1	44	MA-11	39	MGC-8	34	MQ202-4	28	NMR-870-15FM	13
MO8-1	38	M16-7	37	M24-14	31	M34-10	44	MA-12	39	MGT-C9	45	MQ202-5	28	OPA-510	8
MO8-12	38	M16-70	46	M24-15	31	M34-10P	44	MA-13	39	MGT-540	36	MQ202-6	28	OPA-520	8
MO8-13	38	M16-71	46	M24-16	31	M34-11	44	MA-14	39	MH-1	40	MQ203	29	OPA-540	8
MO8-16	38	M16-74	46	M24-18	31	M34-12	44	MA-15	39	MH-10	40	MQ203-1	29	OPA-810	8
MO8-2	38	M16-75	46	M24-2	31	M34-16	43	MA-16	39	MH-11	40	MQ203-2	29	OPA-820	8
MO8-5	38	M16-76	46	M24-20	32	M34-22	43	MA-17	39	MH-12	40	MQ203-3	29	OPA-840	8
MO8-8	38	M16-77	46	M24-24	31	M34-4	44	MA-18	39	MH-13	40	MQ203-4	29	OPA-850	8
MO8-9	38	M16-78	46	M24-25	31	M34-5	44	MA-19	39	MH-14	40	MQ203-5	29	OPL-821	8
M12-1	37	M16-79	46	M24-26	31	M34-5CV	44	MA-2	39	MH-15	40	MQ203-6	29	OR101	27
M12-10	37	M16-8	37	M24-27	31	M4750	40	MA-20	39	MH-16	40	MQ204	30	OR101-1	27
M12-11	37	M16-9	37	M24-28	31	M50-1	44	MA-21	39	MH-17	40	MQ204-1	30	OR101-2	27
M12-12	37	M1-870-15FG	10	M24-29	31	M50-10	44	MA-22	39	MH-18	40	MQ204-2	30	OR101-3	27
M12-13	37	M1-870-15FM	13	M24-2P	31	M50-10P	44	MA-23	39	MH-19	40	MQ204-3	30	OR101-4	27
M12-14	37	M1-870-5FG	10	M24-2PA	31	M50-3	44	MA-24	39	MH-2	40	MQ204-4	30	OR101-5	27
M12-16	37	M1-870P	12	M24-2PH	31	M50-7	44	MA-25	39	MH-20	40	MQ204-5	30	OR101-6	27
M12-2	37	M1-870-PED	10	M24-2PW	31	M54-1	35	MA-26	39	MH-21	40	MQ204-6	30	OR101-70	47

Part / Model #	Page(s)	Part / Model #	Page(s)
OR101-74	47	OR204-3	30
OR101-75	47	OR204-70	47
OR101-76	47	OR204-74	47
OR101-77	47	OR204-75	47
OR102	28	OR204-76	47
OR102-1	28	OR204-77	47
OR102-2	28	PX-1000	21
OR102-3	28	PX-1002	21
OR102-4	28	PX-1010	20
OR102-5	28	PX-1011	20
OR102-6	28	PX-1013	20
OR102-70	47	PX-1014	20
OR102-74	47	PX-1020	22
OR102-75	47	PX-1025	23
OR102-76	47	PX-1027	23
OR102-77	47	PX-1034	23
OR103	29	PX-1044	7
OR103-1	29	PX-1045	7
OR103-2	29	PX-1060	22
OR103-3	29	PX-1850	21
OR103-4	29	QUE-9001	36
OR103-5	29	WPX-5405-1	19
OR103-6	29	WPX-5406-1	19
OR103-70	47	WPX-8700-1T	18
OR103-74	47	WPX-8700-1W	18
OR103-75	47	WPX-8701-1T	19
OR103-76	47	WPX-8702-1T	19
OR103-77	47	WPX-8703-1T	19
OR104	30	WPX-8703-1W	19
OR104-1	30		
OR104-2	30		
OR104-3	30		
OR104-4	30		
OR104-5	30		
OR104-6	30		
OR104-70	47		
OR104-74	47		
OR104-75	47		
OR104-76	47		
OR104-77	47		
OR201	27		
OR201-1	27		
OR201-2	27		
OR201-3	27		
OR201-4	27		
OR201-5	27		
OR201-6	27		
OR201-70	47		
OR201-74	47		
OR201-75	47		
OR201-76	47		
OR201-77	47		
OR202	28		
OR202-1	28		
OR202-2	28		
OR202-3	28		
OR202-4	28		
OR202-5	28		
OR202-6	28		
OR202-70	47		
OR202-74	47		
OR202-75	47		
OR202-76	47		
OR202-77	47		
OR203	29		
OR203-1	29		
OR203-2	29		
OR203-3	29		
OR203-4	29		
OR203-5	29		
OR203-6	29		
OR203-70	47		
OR203-74	47		
OR203-75	47		
OR203-76	47		
OR203-77	47		
OR204	30		
OR204-1	30		
OR204-2	30		





# Medical Products



## WESTERN

a Scott Fetzer company

Global Gas Management Technology

Enterprises | Innovator | **Medica** | Westwinds

875 Bassett Road, Westlake, OH 44145

Toll Free (800)783.7890 / Phone (440)871.2160 / Fax (440)835.8283

ISO 9001/ISO 13485 Registered Quality System

Follow Us!



[www.westernenterprises.com](http://www.westernenterprises.com)