

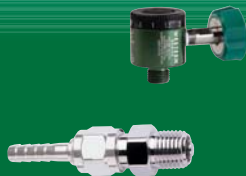


**WESTERN
MEDICA**
THE LEADER IN
MEDICAL GAS EQUIPMENT

HOSPITAL PRODUCTS CATALOG

PROFESSIONAL SERIES

Western Medica is Your Reliable,
One Stop Source for Medical
Gas Regulators, Suction Regulators,
Flowmeters, Fittings and
Accessories.



WELCOME TO WESTERN

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PRIVATE LABEL

PRIVATE LABEL AVAILABLE

Throughout this catalog you will see the symbol at left to indicate products that can be private labeled to suit your individual needs. Please contact your sales representative or call customer service to find out about this exciting value-added program.



OPERATING ROOM MRI/RADIOLOGY PATIENT TRANSPORT RECOVERY BIOMED/ENGINEERING



For more information, call Western Customer Service at **1-800-783-7890**

FREED^{\$}OMLINE

Please contact Western for our high volume FreedomLine Program. When price is critical, we have the right products for you.



PEDIATRIC HOMECARE VETERINARY LABORATORY EMS FIRE/RESCUE GAS DISTRIBUTORS





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Your order will be processed immediately.



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.



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For your convenience, please fax orders to 440-871-2197.

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Press #3 to speak with a member of our Medica customer service team.

Please have your:

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

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





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OXYTOTE "ALL-IN-ONE" PORTABLE OXYGEN SYSTEM

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OXYTOTE OXYGEN REGULATOR WITH SURECLICK™ FEATURE

The OxyTOTE™ "All-In-One" regulator is perfect for transporting and dispensing oxygen in one easy-to-use package. With Western's innovative concept and design, the OxyTOTE regulator provides optimal performance in a click-style regulator by delivering the liter flow needed without the time and frustration of matching regulators and cylinders. This unique "All-In-One" design is a safe, easy-to-use and cost-effective method of distributing oxygen. The OxyTOTE, like all Western products, meets exacting standards for performance and reliability.

Sold separately or attached to cylinder

FEATURES:

- Regulator and cylinder valve combined into one unit
- User can initiate flow in one easy step
- Compact design with all brass body
- Maximum rated inlet pressure 3000 psi
- 1-1/2" diameter gauge
- Transfill through CGA-540 port (CGA-346 for AirTOTE)
- Filtration throughout for maximum safety
- Integral reseating relief valve protects against over-pressurization
- Protective shroud ensures safety and lasting performance
- Hose barb outlet is standard
- Unit can be ordered with or without DISS (demand valve)

OXYTOTE REGULATOR SPECIFICATIONS

(OxyTOTE Regulator Only)

Size	7-3/4" x 4-1/2"
Weight	2 lbs. 10 oz
OxyTOTE Flow (LPM)	1/2, 1, 1-1/2, 2, 3, 4, 5, 6, 8, 10, 15, 25, AUX
AirTOTE Flow (LPM)	1, 2, 3, 4, 6, 8, 10, 12, 15, 20, 25, AUX

Durable cover protects regulator & valve assembly.

SureClick™ feature reduces the risk of dialing the flow selector between click settings, making it easier for clinicians to dial in and secure oxygen flow.

All-In-One Brass regulator assembly incorporates post valve and flow control device into a single unit. Units are quickly refilled through a CGA-540 fill port on reverse side. (CGA-346 for AirTOTE)

OxyTOTE
without DISS 1240
Auxiliary port

Easy-to-read 1-1/2" cylinder contents gauge.

Permanent assembly onto a lightweight aluminum or steel cylinder.



Built in handle for portability.

On/Off flow control knob with adjustable flow rates of .5 - 25 liters per minute.

Tapered hose barb for attaching cannula. Barb outlet is recessed for protection against damage.

5 Year Warranty

On/Off valve maximizes regulator life by minimizing its exposure to cylinder pressure.

1



For more information, call Western Customer Service at **1-800-783-7890**

DESCRIPTION	OXYTOTE HOSE BARB ONLY PART #	OXYTOTE HOSE BARB & DISS* OUTLETS PART #
OxyTOTE Head only for aluminum cylinder	MTR-500	MTR-600
OxyTOTE Head only for steel cylinder	MTR-510	MTR-610
OxyTOTE on C aluminum cylinder	MTS-501	MTS-601
OxyTOTE on D aluminum cylinder	MTS-502	MTS-602
OxyTOTE on E aluminum cylinder	MTS-503	MTS-603
OxyTOTE on M6A aluminum cylinder	MTS-505	MTS-605
OxyTOTE on E steel cylinder	MTS-513	MTS-613

*DISS outlet is Auxiliary port (demand valve). Outlet pressure 50 psi.
Hose barb for use in controlled flow applications (cannot be used simultaneously with DISS).

AIRTOTE PORTABLE MEDICAL AIR SYSTEM

Western's new AirTOTE™ portable medical air system brings a new level of simplicity and cost effectiveness to distributing air. The AirTOTE system is based on Western's OxyTOTE design, proven in years of use in thousands of locations. Call us for more information.



AIRTOTE
with DISS 1160
Auxiliary Port
Use Part # MTR-300
(Head only) or
MTS-303 (System)



MTS-503



MTS-513



MTS-502



MTS-501



MTS-505

OXYTOTE SYSTEM SPECIFICATIONS

Cylinder Size	679 liter "E" Aluminum	665 liter "E" Steel	425 liter "D" Aluminum	246 liter "C" Aluminum	170 liter "M6A" Aluminum
System Size	32-1/2" H x 4-1/2" W	32-1/2" H x 4-1/4" W	23-1/2" H x 4-1/2" W	18" H x 4-1/2" W	15-1/4" H x 4-1/2" W
System Weight	10.3 lbs.	12.6 lbs.	7.9 lbs.	6.5 lbs.	5.8 lbs.
Regulator Flow (SLPM)	1/2 - 25	1/2 - 25	1/2 - 25	1/2 - 25	1/2 - 25

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MightyLite™ Oxygen Regulators with SureClick™



NEW MIGHTYLITE™ OXYGEN REGULATOR WITH SURECLICK™ FEATURE

MightyLite™ Oxygen Regulators: they're everything you need in the smallest, lightest, most affordable regulator we've ever made!

Make no mistake, even though they are about half the weight of traditional regulators, the new MightyLite Oxygen Regulators provide the full performance you expect and are manufactured to meet applicable CGA standards.

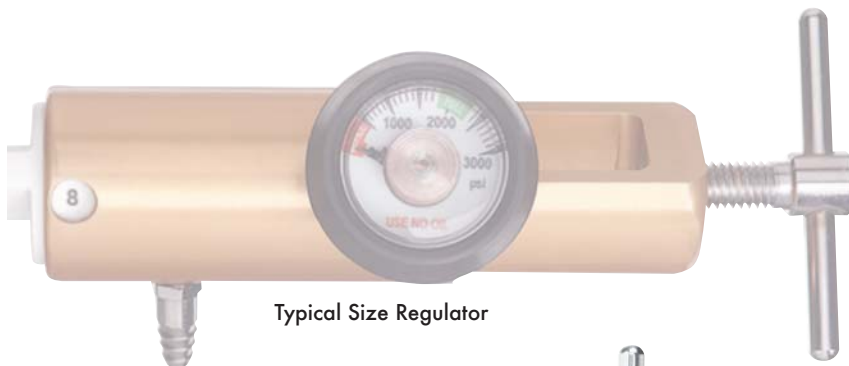
SureClick technology securely clicks into flow settings.

FEATURES:

- Click-Style flow control for ease of use
- Reduces the risk of dialing the flow selector between click settings
- Easier for your patients to dial in and secure oxygen flow
- 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
- A variety of liter flows are available to accommodate a wide range of patient requirements
- Designed for homecare and hospital applications
- Maximum inlet pressure 3000 psi
- Sold in six pack quantities only



SMALL IN STATURE - BIG IN PERFORMANCE



Typical Size Regulator



MightyLite Regulator



MIGHTYLITE™ SPECIFICATIONS

PART #	FLOW SETTINGS (LPM)	OUTLET
MLR-108	.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 8, OFF	1/4" Hose Barb
MLR-115	.25, .5, 1, 1.5, 2, 3, 4, 6, 8, 10, 15, OFF	1/4" Hose Barb

Inlet connection: CGA-870

Outlet connection: 1/4" OD hose barb

Overall dimensions: 3-7/8" long x 1-3/4" OD

Weight: 8.4 ounces

SureClick™ feature reduces the risk of dialing the flow selector between click settings, making it easier for patients to dial in and secure oxygen flow.



Color-Coded Versions Available

Red, green and blue are available for your application-specific needs.



MLR-108R



MLR-108G



MLR-108B

Accessories

See page 21 for more details and ordering information.



OXYGEN CONSERVING REGULATOR

Tru-dose™ Oxygen Conserving Regulator



Tru-dose (MTD-800)
CGA-870 Connection



Tru-Dose (MTD-500)
CGA-540 Connection

FEATURES:

- Regulator and pneumatic conserving device combined into one unit
- Fully pneumatic with no battery required
- Conserving ratios up to 3:1
- Continuous flow available at all flow settings
- Provides therapy and conserves oxygen by delivering prescribed liter flow during inhalation period only
- User can switch to continuous flow without disconnecting unit
- Maximum inlet pressure 3000 psi
- Sintered filter for additional safety and to extend regulator life
- Internal reseating relief valve protects against over-pressurization
- Click-Style flow control with 11 flow settings from 1 to 6 LPM
- Compact and light weight
- 1-1/2" diameter gauge
- Unit is shipped with 5' dual lumen cannula
- Regulator weight 16 oz.
- Dual lumen design

TRU-DOSE™ SPECIFICATIONS

MODEL MTD-800 (870 CONNECTION)	
MODEL MTD-500 (540 CONNECTION)	
Size	4-1/2" x 1-1/2"
Weight	16 oz
LPM	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6

Unit is shipped with 5' dual lumen cannula



Accessories

See page 21 for more details and ordering information.



COMPACT CLICK-STYLE OXYGEN REGULATORS

Designed for pediatric, homecare, hospital and emergency applications

OPA SERIES FEATURES:

- Compact aluminum body
- 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

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OPA-840
Compact Click-Style Regulator
with CGA-870 Yoke Inlet



OPA-520
Compact Click-Style
Regulator with
CGA-540 Nut and
Nipple Inlet



OPA SERIES COMPACT REGULATORS

PART #	FLOW SETTINGS
CGA-870 Yoke	
OPA-810	1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1-1/2, 2 LPM
OPA-820	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM
OPA-840	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM
OPA-850	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM
CGA-540 Nut and Nipple	
OPA-510	1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1-1/2, 2 LPM
OPA-520	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM
OPA-540	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM
OPA-550	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM

EXTENDED CLICK-STYLE REGULATORS

OPL SERIES FEATURES:

- Same as OPA Series **PLUS:**
 - Extended body with DISS 1240 outlet for use with a humidifier bottle or
 - Available with hose barb

OPL SERIES EXTENDED REGULATORS

PART #	FLOW SETTINGS	OUTLET CONNECTION
CGA-870 Yoke		
OPL-811	1/64, 1/32, 1/16, 1/8, 1/4, 1/2, 3/4, 1, 1-1/2, 2 LPM	DISS 1240
OPL-820	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM	Hose Barb
OPL-821	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM	DISS 1240
OPL-840	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM	Hose Barb
OPL-841	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM	DISS 1240
OPL-850	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM	Hose Barb
OPL-851	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM	DISS 1240
CGA-540 Nut and Nipple		
OPL-520	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM	Hose Barb
OPL-521	1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 LPM	DISS 1240
OPL-540	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM	Hose Barb
OPL-541	1/2, 1, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 LPM	DISS 1240
OPL-550	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM	Hose Barb
OPL-551	1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM	DISS 1240



OPL-821
Extended Click-Style
Regulator
with DISS 1240 Outlet
Connection
Shown with **PX-1003**
Humidifier Bottle



TITAN™ Oxygen Regulators



NEW EMS TITAN™ SERIES OXYGEN EMS and FIRE SERVICE APPLICATIONS CLICK-STYLE REGULATOR

Whether its EMS, ambulance, fire rescue or tactical medical use, Titan™ Oxygen Regulators will provide durable, impact-resistant service. With 100% brass construction, they've got the guts to withstand emergency conditions, keeping your costs down and availability up!

The Titan regulator's flow selector is inset and exceptionally durable. Seven models are available, all with a nickel-plated brass body.

FEATURES:

- All brass construction in high pressure, low pressure and relief zones
- Brass internal components
- 20 micron sintered bronze inlet filter
- Teflon® FEP100 pressure regulating seat
- Viton® and silicone O-Rings
- Fasteners and springs are stainless steel

TITAN SPECIFICATIONS

PART #	DESCRIPTION
MPR-501	CGA-540, Preset (50 psi) with 2 power take-offs
MPR-502	CGA-540, 0-25 lpm with 2 power take-offs and hose barb
MPR-801	CGA-870, 0-15 lpm with hose barb
MPR-802	CGA-870, 0-15 lpm with 2 power take-offs and hose barb
MPR-803	CGA-870, 0-25 lpm with hose barb
MPR-804	CGA-870, 0-25 lpm with 2 power take-offs and hose barb
MPR-805	CGA-870, Preset (50 psi) with 2 power take-offs

Working pressure: 500-3000 psi

Overall dimensions: 6" long x 1.5" OD and 1.5" diameter gauge



Titan (MPR-501)
CGA-540 Connection



Titan (MPR-802)
CGA-870 Connection



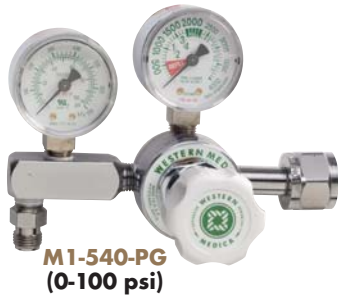
**INTRODUCING OCTI-FLO₂
Portable Emergency Oxygen Manifold**

- Used for mass casualty, EMS, and triage situations
- Oxygen delivery 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
- Cannulas, breathing masks, and compact carrying case included
- Affordable high quality craftsmanship for years of dependable service

Optional Components to Complete the Emergency Oxygen Delivery System

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

**OCTI-FLO₂TM
Portable Emergency
Oxygen Manifold**



Accessories for Other EMS Applications

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

MCW - 2BC



MCW - 3P



2544-2



FME101
See page 25-28 for more information



CFM104-08
QuickClick Flowmeter
See page 29 for more information



SINGLE & TWO-STAGE FLOW GAUGE OXYGEN REGULATORS



M1-870-15FG
Single-Stage Regulator with
CGA-870 Connection



M2-540-15FG
Two-Stage Regulator with
CGA-540 Connection



MR-870-8FG
Single-Stage Compact Regulator
with CGA-870 Swivel Yoke Inlet



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
- UL listed

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

MODEL #	FLOW RANGE	INLET
SINGLE-STAGE		
M1-540-5FG	1/2-5 LPM	Nut and Nipple
M1-540-5FGH	1/2-5 LPM	Handtight Nut
M1-870-5FG	1/2-5 LPM	Yoke
M1-540-8FG	1-8 LPM	Nut and Nipple
M1-540-8FGH	1-8 LPM	Handtight Nut
M1-870-8FG	1-8 LPM	Yoke
M1-540-15FG	2-15 LPM	Nut and Nipple
M1-540-15FGH	2-15 LPM	Handtight Nut
M1-870-15FG	2-15 LPM	Yoke
MR-870-5FG	1/2-5 LPM	Yoke
MR-870-8FG	1-8 LPM	Yoke
MR-870-15FG	2-15 LPM	Yoke
PEDIATRIC SINGLE STAGE		
M1-540-PED3	1/32- 1/2 LPM	Nut and Nipple
M1-540-PED3H	1/32- 1/2 LPM	Handtight Nut
M1-870-PED3	1/32- 1/2 LPM	Yoke
M1-540-PED	1/8-1 LPM	Nut and Nipple
M1-540-PEDH	1/8-1 LPM	Handtight Nut
M1-870-PED	1/8-1 LPM	Yoke
MR-870-PED3	1/32- 1/2 LPM	Swivel Yoke
MR-870-PED	1/8-1 LPM	Swivel Yoke
TWO-STAGE		
M2-540-5FG	1/2-5 LPM	Nut and Nipple
M2-540-5FGH	1/2-5 LPM	Handtight Nut
M2-540-8FG	1-8 LPM	Nut and Nipple
M2-540-8FGH	1-8 LPM	Handtight Nut
M2-540-15FG	2-15 LPM	Nut and Nipple
M2-540-15FGH	2-15 LPM	Handtight Nut



SINGLE-STAGE ADJUSTABLE PRESSURE DELIVERY REGULATORS

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
- UL listed



M1-910-PG
Single-Stage Adjustable Regulator
with CGA-910 Yoke



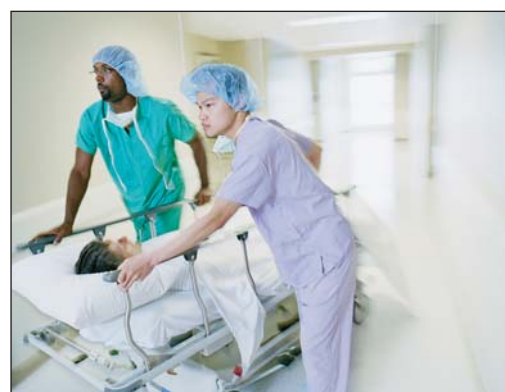
M1-326-PGH
Single-Stage Adjustable Regulator
with CGA-326 Handtight Nut

ADJUSTABLE SINGLE-STAGE MODELS

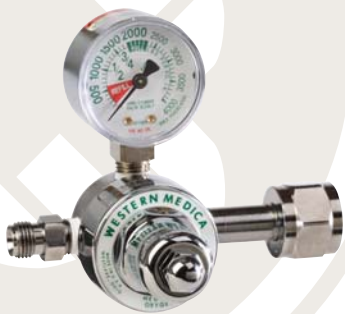
GAS/MODEL	DELIVERY PRESSURE	CGA INLET CONNECTION
CARBON DIOXIDE		
M1-320-PG	0 - 100 psi	320-Nut and Nipple
M1-320-PGH	0 - 100 psi	320-Handtight Nut and Nipple
M1-940-PG	0 - 100 psi	940-Yoke
NITROUS OXIDE		
M1-326-PG*	0 - 100 psi	326-Nut and Nipple
M1-326-PGH*	0 - 100 psi	326-Handtight Nut and Nipple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

* 1000 psi gauge color - coded blue

See full CGA chart in back of catalog.



SINGLE-STAGE PRESET REGULATORS



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

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
- UL listed
- 50 psi preset

M1A PRESET WITH HORIZONTAL OUTLET

M1 PRESET WITH 90° OUTLET

GAS/MODEL		CGA	CGA INLET
OXYGEN			
M1A-540-P	M1-540-P	540	Nut and Nipple
M1A-540-PH	M1-540-PH	540	Handtight Nut and Nipple
M1A-870-P	M1-870-P	870	Yoke
N/A	MR-870-P	870	Yoke (Compact Model)
CARBON DIOXIDE			
M1A-320-P	M1-320-P	320	Nut and Nipple
M1A-320-PH	M1-320-PH	320	Handtight Nut and Nipple
M1A-940-P	M1-940-P	940	Yoke
NITROUS OXIDE			
M1A-326-P	M1-326-P	326	Nut and Nipple
M1A-326-PH	M1-326-PH	326	Handtight Nut and Nipple
M1A-910-P	M1-910-P	910	Yoke
MEDICAL AIR			
M1A-346-P	M1-346-P	346	Nut and Nipple
M1A-346-PH	M1-346-PH	346	Handtight Nut and Nipple
M1A-950-P	M1-950-P	950	Yoke
NITROGEN			
M1A-960-P	M1-960-P	960	Yoke Nitrogen
M1A-580-P	M1-580-P	580	Nut and Nipple
M1A-580-PH	M1-580-PH	580	Handtight Nut and Nipple
MEDICAL GAS MIXTURES			
M1A-280-P	M1-280-P	280	Nut and Nipple
M1A-280-PH	M1-280-PH	280	Handtight Nut and Nipple
M1A-500-P	M1-500-P	500	Nut and Nipple
M1A-500-PH	M1-500-PH	500	Handtight Nut and Nipple
M1A-880-P	M1-880-P	880	Yoke Mixture
M1A-890-P	M1-890-P	890	Yoke Mixture
M1A-930-P	M1-930-P	930	Yoke Mixture
MEDICAL HELIUM			
M1A-580A-P	M1-580A-P	580	Nut and Nipple
M1A-580A-PH	M1-580A-PH	580	Handtight Nut and Nipple

See full CGA chart on inside back cover



FLOWMETER REGULATORS (ALL GASES)

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
- UL listed
- 15 LPM Oxygen models provide 85-90 LPM flood maximum
- 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)



M1-540-15FM

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

SINGLE STAGE MODELS

GAS/MODEL	FLOW RANGE	INLET CONNECTION
OXYGEN		
M1-540-8FM	1/2 - 7 LPM	CGA-540 Nut and Nipple
M1-540-8FMH	1/2 - 7 LPM	CGA-540 Handtight Nut and Nipple
M1-870-8FM	1/2 - 7 LPM	CGA-870 Yoke
M1-540-15FM	1/2 - 15 LPM	CGA-540 Nut Nipple
M1-540-15FMH	1/2 - 15 LPM	CGA-540 Handtight Nut and Nipple
M1-870-15FM	1/2 - 15 LPM	CGA-870 Yoke
MEDICAL AIR		
M1-346-15FM	1 - 15 LPM	CGA-346 Nut and Nipple
M1-346-15FMH	1 - 15 LPM	CGA-346 Handtight Nut and Nipple
M1-950-15FM	1 - 15 LPM	CGA-950 Yoke
CARBON DIOXIDE		
M1-320-12FM	1/2 - 12 LPM	CGA-320 Nut and Nipple
M1-320-12FMH	1/2 - 12 LPM	CGA-320 Handtight Nut and Nipple
M1-940-12FM	1/2 - 12 LPM	CGA-940 Yoke

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



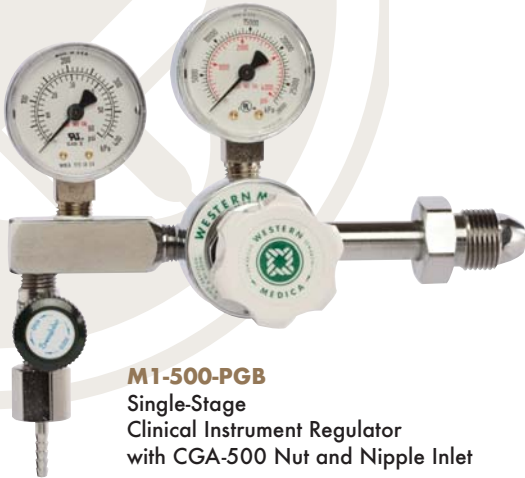
NMR-870-15FM

Single-Stage Flowmeter Regulator with CGA-870 Yoke

OXYGEN MR CONDITIONAL SLIM-LINE FLOWMETER

MODEL	FLOW RANGE	INLET PRESSURE	INLET
NMR-870-15M	1/2 - 15 LPM	50 psi preset	CGA-870 Yoke

CLINICAL REGULATORS 0 - 50 PSI DELIVERY RANGE



M1-500-PGB
Single-Stage
Clinical Instrument Regulator
with CGA-500 Nut and Nipple Inlet

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
- UL listed
- OUTLET: Needle Valve with 1/8" Hose Barb (all models)

PART #	CGA	INLET
M1-280-PGB	280	Nut and Nipple
M1-880-PGB	880	Yoke
M1-890-PGB	890	Yoke
M1-965-PGB	965	Yoke
M1-320-PGB	320	Nut and Nipple
M1-940-PGB	940	Yoke
M1-326-PGB	326	Nut and Nipple
M1-910-PGB	910	Yoke
M1-346-PGB	346	Nut and Nipple
M1-950-PGB	950	Yoke
M1-500-PGB	500	Nut and Nipple
M1-930-PGB	930	Yoke
M1-940-PGB	940	Yoke
M1-973-PGB	973	Yoke
M1-540-PGB	540	Nut and Nipple
M1-870-PGB	870	Yoke
M1-580-PGB	580	Nut and Nipple
M1-930-PGB	930	Yoke
M1-960-PGB	960	Yoke



M1-870-PGB
Single-Stage
Clinical Instrument Regulator
with CGA-870 Yoke Inlet

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

Example: M1-280-PGBH

See full CGA chart on inside back cover



LABORATORY STYLE REGULATORS (ALL GASES)

MODEL	DELIVERY RANGE	MAX RATED FLOW SCFH AIR AT 2000 PSI*
MSH15280	0 - 15 psi	500 SCFH
15320		
15346		
15500		
15540		
15580		
15870		
15890		
15930		
15940		
15960		
15973		
MSH45280	0 - 45 psi	650 SCFH
45320		
45346		
45500		
45540		
45580		
45870		
45940		
45950		
45960		
MSH80280	0 - 80 psi	950 SCFH
80320		
80326		
80346		
80500		
80540		
80580		
80890		
80910		
80950		
80960		
80973		
MSH180280	0 - 180 psi	1000 SCFH
180320		
180326		
180346		
180500		
180540		
180580		
180870		
180910		
180940		
180960		
180973		
MSH450280	0 - 450 psi	1000 SCFH
450346		
450500		
450540		
450580		
450940		
450960		
MSG80500	0 - 80 psi	2050 SCFH
80540		
MSG180346	0 - 180 psi	2750 SCFH
180500		
180540		
180580		
180950		
MSG450540	0 - 450 psi	2750 SCFH
450580		
450870		
450940		

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

See chart on inside back cover of catalog for more details on gas assignments.

MSH180346

Single-Stage Laboratory Style Medical Air Regulator with CGA-346 Nut and Nipple Inlet 1/4" NPT Outlet



*Maximum rated flow per CGA E-4 2002 at the stated inlet pressure

BREATHING MIXTURE AND MEDICAL MIXTURE REGULATORS



M1-500-PG

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
- UL listed



M1-890-PG

BREATHING MIXTURES and MEDICAL MIXTURES

SINGLE STAGE ADJUSTABLE REGULATORS 0-100 psi					
CGA	PART #	INLET	DISS OUTLET	OUTLET PART #	
BREATHING MIXTURES					
280	CO ₂ & O ₂ (CO ₂ not over 7%)	M1-280-PG M1-880-PG	Nut and Nipple CGA-880 Yoke	1020 1020	MO2-5 MO2-5
280	Heliox He & O ₂ (He 80% - O ₂ 20%)	M1-280-16FM (0-16 LPM)	Nut and Nipple	1240	M24-5-1
280	He & O ₂ (He 70% - O ₂ 30%)	M1-890-PG	CGA-890 Yoke	1240	M24-5-1
280	He & O ₂ (He not over 80.0%)	M1-890-PG	CGA-890 Yoke	1020	M24-5-1
280	N ₂ & O ₂ (O ₂ over 23.5%)	M1-890-PG	CGA-890 Yoke	1020	MO2-5
280	N ₂ O & O ₂ (N ₂ O 47.5 to 52.5%)	M1-965-PG	CGA-965 Yoke	1020	MO2-5
280	Xe & O ₂ (O ₂ over 20%)	M1-890-PG	CGA-890 Yoke	1240	M24-5-1
MEDICAL MIXTURES					
500	CO ₂ & O ₂ mixtures (CO ₂ , over 7%)	M1-940-PG	CGA-940 Yoke	1080	MO8-5
500	He & O ₂ (He over 80%)	M1-930-PG	CGA-930 Yoke	1060	MO6-5
500	CO ₂ & O ₂ & N ₂	M1-500-PG	Nut and Nipple	1020	MO2-5
500	LUNG DIFFUSION MIXTURES	M1-973-PG	CGA-973 Yoke	1020	MO2-5
BLOOD GAS MIXTURES					
500	Nonflammable, Noncorrosive Gas Mixtures Labeled as Drugs or Medical Devices and not having another connection assignment	M1-500-PG M1-973-PG	Nut and Nipple CGA-973 Yoke	1020 1020	MO2-5 MO2-5



MAGNETIC RESONANCE (MR) CONDITIONAL REGULATORS

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



FMR100
Slim Line-Flowmeter



NMR-870-15FM
Single-Stage
Flowmeter Regulator

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



OxyTOTE™
Regulator
MTR-500 Series

See pages 1-2 for more details

FLOWMETER MODELS

GAS	MODEL	FLOW RANGE	INLET PRESSURE	INLET CONNECTION
Oxygen	FMR100	1/2 - 15 LPM	50 psi	1/8 - 27 NPT

REGULATOR MODELS






GAS	MODEL	FLOW RANGE	DELIVERY PRESSURE	INLET CONNECTION
Oxygen	NMR-870-15FM	1/2 - 15 LPM	50 psi Preset	CGA - 870 Yoke
Oxygen	NMR-540-15FM	1/2 - 15 LPM	50 psi Preset	CGA - 540 Yoke

*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

PL

PRIVATE LABEL

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

3/4"-16UNF-2A				1-1/8"-12UNF-2A
				
MPV-872 Wrench Valve CGA-870	MPV-872 Wrench Valve with MPV-4027 Seal CGA-870	MPV-870 Dual Control Valve CGA-870	MPV-872T Toggle Valve CGA-870	QUE-9001 Spigot Valve for M60 & M Aluminum Cylinders CGA-540

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
- Safety paint protects cylinder sidewall and provides heat detection
- Cylinder finish is easy to clean and maintain
- Straight thread design minimizes thread damage and with o-ring provides positive seal

POST VALVE SEALS

MPV-4027	Post Valve Seal (Plastic Clip Dust Cover) see photo above
MPV-4040	Post Valve Seal (Shrink Wrap Dust Cover)

Note: See page 42 for more oxygen accessories



M4 (A)



M6 (B)



M6A (ML6)




M7

Portable Aluminum Cylinders with CGA-870 Post Valves*	9" x 3" • 1.6 lbs. 113 liters • 2216 psi 144/Pallet • 4.0 cu ft	11-3/4" x 3" • 2.2 lbs. 164 liters • 2216 psi 144/Pallet • 5.8 cu ft	7-3/4" x 4-1/2" • 2.7 lbs. 170 liters • 2015 psi 81/Pallet • 6.0 cu ft	9" x 4-1/2" • 3.1 lbs. 198 liters • 2015 psi 81/Pallet • 7.0 cu ft
Dual Control Valve CGA-870 Wrench Valve CGA-870 Toggle Valve CGA-870	PX-8704 - 1 PX-8704 - 1W PX-8704 - 1T	PX-8700 - 1 PX-8700 - 1W PX-8700 - 1T	PX-8705 - 1 PX-8705 - 1W PX-8705 - 1T	PX-8707 - 1 PX-8707 - 1W PX-8707 - 1T

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

OXYGEN CYLINDERS AND ACCESSORIES

LITER METER

	PART #	DESCRIPTION
	MT100	1/2 - 2-1/2 LPM Flow Measurement
	MT200	1/2 - 8 LPM Flow Measurement
	MT300	3 - 15 LPM Flow Measurement

CYLINDER WRENCHES

PART #	DESCRIPTION
MCW-2B	Metal Wrench
MCW-2BC	Metal Wrench w/Security Chain
MCW-3P	Plastic Wrench
MCW-3PC	Plastic Wrench w/Security Chain



Large Aluminum Cylinders with Spigot Valves

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
PX-8701 - 1 PX-8701 - 1W PX-8701 - 1T	PX-8702 - 1 PX-8702 - 1W PX-8702 - 1T	PX-8703 - 1 PX-8703 - 1W PX-8703 - 1T	PX-5405 - 1 (CGA-540) Spigot Valve	PX-5406 - 1 (CGA-540) Spigot Valve

Size shown not proportionally correct.



REVOLUTIONARY CYLINDER LABEL GUARD™ TECHNOLOGY NOW AVAILABLE FROM WESTERN MEDICA

Label Guard Keeps Labels Readable and Cylinders Looking New Longer

Super thin, clear labels are applied to the cylinder body, then overcoated with a proprietary powder clearcoat—which protects labels as well as cylinder exteriors.

- Much more durable than silkscreens, stick-on labels or decals
- Highly resistant to impact and abrasion
- Sharp, easy-to-read labels
- Long-lasting—no more label scraping
- Full-color logos and designs are no problem
- Great advertising for your company
- Gives cylinders a consistent, attractive appearance
- Improves cylinder identification
- Helps prevent theft and loss

Also available on refurbished cylinders.



IT'S EASY TO REFURBISH YOUR ALUMINUM CYLINDERS!

Aluminum cylinders with plenty of remaining service life often start looking tired and worn out from frequent use. That's when it's time to let the aluminum cylinder experts go to work.

In addition to completely reconditioning and repainting your cylinders with high-quality protective coatings, we can customize cylinders by adding logos, company names, special graphics and labels—including the exclusive Label Guard™ technology that keeps labels attractive and readable much longer. We also offer complete cylinder retest and requalification services.

Not only do your cylinders come back looking virtually new, they're certified safe and ready to fill. It's a fast, cost-effective way to rejuvenate your valuable assets and build user confidence.

Call Western Medica for details.



COMPOSITE WRAPPED CYLINDERS

Carbon Composite Full-Wrap Cylinders

The lightest-weight breathing gas cylinders in the world, these extremely tough, durable cylinders quickly became popular with firefighters around the globe.

Because of their ultra-light weight, compact size, high capacity and portability, carbon composite oxygen cylinders are becoming increasingly popular for resuscitation and pain relief in emergency and pre-hospital care, as well as for home oxygen therapy.

Carbon composite cylinders provide significant clinical benefits to patients, especially those who are ambulatory.

- Service pressure: up to 207 bar (3000 psi)
- Up to 50% lighter than aluminum cylinders
- Up to 70% lighter than conventional steel cylinders
- Highly portable and convenient
- Non-magnetic
- Extremely resistant to corrosion

Contact your Western Sales Representative for more information.



	M06D	M09B	M15A	M22A	M24A	M66A
Oxygen Capacity	6 cu ft 170 liters	9 cu ft 255 liters	15 cu ft 425 liters	22 cu ft 623 liters	24 cu ft 680 liters	66 cu ft 1868 liters
Outside Diameter	3.33 in 85 mm	3.31 in 84 mm	3.95 in 100 mm	4.50 in 114 mm	4.50 in 114 mm	6.87 in 172 mm
Overall Length	9.87 in 251 mm	12.20 in 310 mm	14.67 in 373 mm	15.47 in 393 mm	17.20 in 437 mm	20.70 in 526 mm
Empty Weight	1.5 lbs 0.7 kg	1.7 lbs 0.8 kg	2.8 lbs 1.3 kg	3.3 lbs 1.5 kg	3.7 lbs 1.7 kg	9.3 lbs 4.2 kg
Internal Volume	51 cu in 0.8 liters	68 cu in 1.1 liters	122 cu in 2.0 liters	171 cu in 2.8 liters	191 cu in 3.1 liters	521 cu in 8.5 liters

HIGH PRESSURE CYLINDER ALUMINUM LX7™

Cylinders made from LX7 alloy offer these unique advantages over conventional aluminum cylinders:

- LX7-alloy cylinders can be filled to 3,000 psi, which greatly increases capacity. Major gas companies are already offering 3,000 psi filling (up to 207 bar).
- LX7-alloy cylinders fit existing filling equipment—even if you haven't yet made the transition to 3,000 psi, you can still fill to 2,650 psi with existing fill equipment.
- Reduced delivery costs—Higher capacity cylinders mean more gas delivered per trip and fewer trips, a significant advantage as fuel prices continue to climb.

PART #	OXYGEN CAPACITY	OUTSIDE DIAMETER	OVERALL LENGTH	EMPTY WEIGHT
ME36	35.3 cu ft 998 liters	4.4 in 111 mm	25.3 in 641 mm	8.0 lbs 3.6 kg
MD22	21.8 cu ft 618 liters	4.4 in 111 mm	16.3 in 413 mm	5.7 lbs 2.6 kg
MC13	13.3 cu ft 375 liters	4.4 in 111 mm	10.6 in 270 mm	4.0 lbs 1.8 kg
MB08	8.3 cu ft 236 liters	3.2 in 81 mm	11.8 in 299 mm	2.2 lbs 1.0 kg

Note: Care should be taken to insure proper cylinder valve is inserted into these high pressure cylinders, and the valve used has the proper relief mechanism installed for use at 3000 psi.



CYLINDER BAGS



PX-1011
(Bag only)

PX-1013
(Bag only)

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-1048	Vertical Carrying Bag, vented
PX-1010	Horizontal Carrying Bag (duffel style), vented Holds M4 (A), M6 (B), M6A (ML6), and M9 (C) Cylinders



PX-1014
(Bag only)



PX-1048



PX-1010



OTHER EQUIPMENT

PART #	
MW-87	Halar Yoke Washer (one time use only)
2544-2	Brass and Viton Yoke Washer
PX-1003	Humidifier Bottle
PX-1850	Dual Lumen Cannula, 5'
PX-1000	Single Lumen Cannula, 7'
	Call to order a variety of pressure gauges, gauge covers and protectors. See page 52
PX-1002	Adult O ₂ Mask
PX-1004	Pediatric O ₂ Mask
M24-45P	Nut and Nipple to Tapered Barb (green)
M24-45PW	Same as above (white)
M24-45PY	Same as above (yellow)
MOO-3	T-Handle
MOO-9	T-Handle with 6" grip
MTT-1	1/4" Teflon Tape
MTT-2	1/2" Teflon Tape
MTT-3	Formula 8 Teflon Paste



MW-87
(one time use only)



2544-2



PX-1002



PX-1003



PX-1850



M24-45PW

M24-45P



MOO-3



MOO-9



MTT-1



MTT-2



MTT-3

CYLINDER CARTS

CYLINDER CARTS

PART #	CYLINDER	CAPACITY
PX-1020	D or E	1
HCC5-M	D or E	2
HCC1-M	M60 or M	1
HCC2-M	M60, M or H	1
HCC3-M	M60, M or H	1
MCC1	D or E	12
MCC2	D or E	28



PX-1020



HCC5-M



HCC1-M



HCC2-M



HCC3-M



MCC1



MCC2



CYLINDER RACKS AND STANDS

PART #	CYLINDER	CAPACITY
PX-1025	C,D or E	6
PX-1027	C,D or E	12
PX-1029	M6 (B)	12
PX-1034	D or E	40
PX-1041	D or E	24
MCS	C,D or E	1
HCS2-M	M60, M or H	1
HCS3-M	M60 or M	1
FER-1-24*	D or E	24
FEC*	D or E	12
FET-3-32*	D or E	32



PX-1025



PX-1027



PX-1029



PX-1034



PX-1041



MCS



HCS2-M



FER-1-24 CYLINDER FILL RACK
WITH CONTROL PANEL*



FEC- PORTABLE*



FET-3-32*

* Wide variety of options available. For installation and FDA training information contact Western.

SLIM-LINE OXYGEN FLOWMETERS

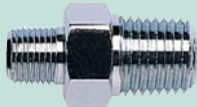


FLOWMETER FEATURES:

- 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

OPTIONS:

- For security chain, add suffix "S" to model number. Example: FME107S.
- For Double Flowmeters with Power Take-Off, add "PT" to part number.

FME- Brass Body
FMA- Aluminum Body

INLET	FLOWMETERS WITH FITTING
Flowmeter with Standard Inlet (1/8 NPT Female)	FME101 1/2-15 LPM FMA101 1/2-15 LPM FME201 1/2-7 LPM FMA201 1/2-7 LPM FME901 1/4-3-1/2 LPM FMA901 1/4-3-1/2 LPM FME301 1/2-15 LPM W/Power Take-Off FMA301 1/2-15 LPM W/Power Take-Off FME401 1/2-15 LPM Dual Flowmeter FMA401 1/2-15 LPM Dual Flowmeter
 1/4 NPT Male	FME102 1/2-15 LPM FMA102 1/2-15 LPM FME202 1/2-7 LPM FMA202 1/2-7 LPM FME902 1/4-3-1/2 LPM FMA902 1/4-3-1/2 LPM FME302 1/2-15 LPM W/Power Take-Off FMA302 1/2-15 LPM W/Power Take-Off FME402 1/2-15 LPM Dual Flowmeter FMA402 1/2-15 LPM Dual Flowmeter
 DISS Hex Nut and Nipple	FME103 1/2-15 LPM FMA103 1/2-15 LPM FME203 1/2-7 LPM FMA203 1/2-7 LPM FME903 1/4-3-1/2 LPM FMA903 1/4-3-1/2 LPM FME303 1/2-15 LPM W/Power Take-Off FMA303 1/2-15 LPM W/Power Take-Off FME403 1/2-15 LPM Dual Flowmeter FMA403 1/2-15 LPM Dual Flowmeter
 DISS Handtight Nut and Nipple*	FME104 1/2-15 LPM FMA104 1/2-15 LPM FME204 1/2-7 LPM FMA204 1/2-7 LPM FME904 1/4-3-1/2 LPM FMA904 1/4-3-1/2 LPM FME304 1/2-15 LPM W/Power Take-Off FMA304 1/2-15 LPM W/Power Take-Off FME404 1/2-15 LPM Dual Flowmeter FMA404 1/2-15 LPM Dual Flowmeter







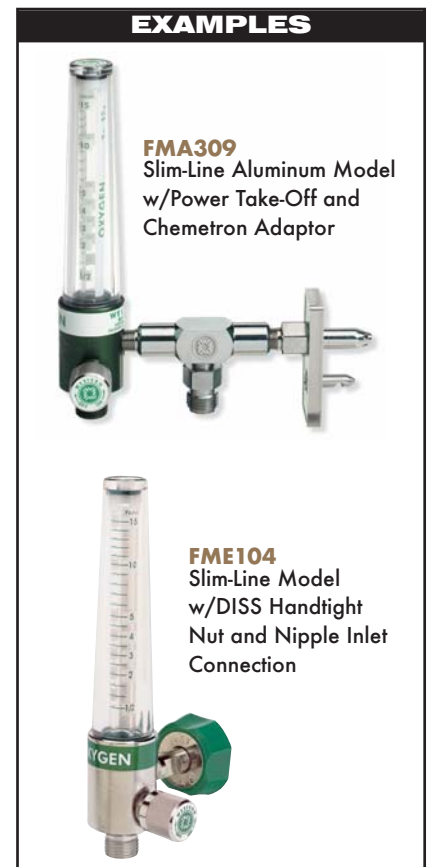
FME101
 Chrome-plated
 Brass Body
 Flowmeter

FMA101
 Aluminum Body
 Flowmeter

*Canadian color-coding available. Add "C" to part number. Example FMA104C
 Photos not to scale

SLIM-LINE OXYGEN FLOWMETERS

FLOWMETERS WITH FITTING	INLET
FME106 1/2-15 LPM FMA106 1/2-15 LPM FME206 1/2-7 LPM FMA206 1/2-7 LPM FME906 1/4-3-1/2 LPM FMA906 1/4-3-1/2 LPM FME306 1/2-15 LPM W/Power Take-Off FMA306 1/2-15 LPM W/Power Take-Off FME406 1/2-15 LPM Dual Flowmeter FMA406 1/2-15 LPM Dual Flowmeter	 Oxequip® Adaptor
FME107 1/2-15 LPM FMA107 1/2-15 LPM FME207 1/2-7 LPM FMA207 1/2-7 LPM FME907 1/4-3-1/2 LPM FMA907 1/4-3-1/2 LPM FME307 1/2-15 LPM W/Power Take-Off FMA307 1/2-15 LPM W/Power Take-Off FME407 1/2-15 LPM Dual Flowmeter FMA407 1/2-15 LPM Dual Flowmeter	 Ohmeda® Adaptor*
FME108 1/2-15 LPM FMA108 1/2-15 LPM FME208 1/2-7 LPM FMA208 1/2-7 LPM FME908 1/4-3-1/2 LPM FMA908 1/4-3-1/2 LPM FME308 1/2-15 LPM W/Power Take-Off FMA308 1/2-15 LPM W/Power Take-Off FME408 1/2-15 LPM Dual Flowmeter FMA408 1/2-15 LPM Dual Flowmeter	 Puritan® Adaptor
FME109 1/2-15 LPM FMA109 1/2-15 LPM FME209 1/2-7 LPM FMA209 1/2-7 LPM FME909 1/4-3-1/2 LPM FMA909 1/4-3-1/2 LPM FME309 1/2-15 LPM W/Power Take-Off FMA309 1/2-15 LPM W/Power Take-Off FME409 1/2-15 LPM Dual Flowmeter FMA409 1/2-15 LPM Dual Flowmeter	 Chemetron® Adaptor*



*Canadian color-coding available. Add "C" to part number. Example FME109C
 Photos not to scale

SLIM-LINE FLOWMETERS MEDICAL AIR, CARBON DIOXIDE, HELIOX

FME- Brass Body
FMA- Aluminum Body

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








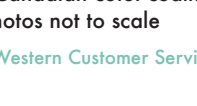
OPTIONS:

- For security chain, add suffix "S" to model number.
 Example: FME107S.



FMA601
 Aluminum Body
 Flowmeter

FME601
 Chrome-Plated
 Brass Body
 Flowmeter

INLET	FLOWMETERS WITH FITTING		
	MEDICAL AIR 1-15 LPM	CARBON DIOXIDE 1/2-12 LPM	HELIOX 80% Helium 20% Oxygen 1/2-12 LPM
Flowmeter Without Fitting Standard Inlet 1/8 NPT Female 	FME601 FMA601 FME701 W/Power Take-Off FMA701 W/Power Take-Off	FME801	FME2001
 1/4 NPT Male	FME602 FMA602 FME702 W/Power Take-Off FMA702 W/Power Take-Off	FME802	FME2002
 DISS Hex Nut and Nipple	FME603 FMA603 FME703 W/Power Take-Off FMA703 W/Power Take-Off	FME803	NA
 DISS Handtight Nut and Nipple*	FME604 FMA604 FME704 W/Power Take-Off FMA704 W/Power Take-Off	NA	NA
 Oxequip® Adaptor	FME606 FMA606 FME706 W/Power Take-Off FMA706 W/Power Take-Off	NA	NA
 Ohmeda® Adaptor*	FME607 FMA607 FME707 W/Power Take-Off FMA707 W/Power Take-Off	NA	NA
 Puritan® Adaptor	FME608 FMA608 FME708 W/Power Take-Off FMA708 W/Power Take-Off	NA	NA
 Chemetron® Adaptor*	FME609 FMA609 FME709 W/Power Take-Off FMA709 W/Power Take-Off	NA	NA

*Canadian color-coding available. Add "C" to part number. Example FME604C
 Photos not to scale



OXYGEN NEONATAL FLOWMETERS

INLET	FLOWMETER WITH FITTING 0.1-1 LPM	FLOWMETER WITH FITTING 25-200cc
Flowmeter Only (With 1/8 NPT Female)	FM1001	FM1101
 1/4 NPT Male	FM1002	FM1102
 DISS Hex Nut and Nipple	FM1003	FM1103
 DISS Handtight Nut and Nipple*	FM1004	FM1104
 Oxequip® Adaptor	FM1006	FM1106
 Ohmeda® Adaptor*	FM1007	FM1107
 Puritan® Adaptor	FM1008	FM1108
 Chemetron® Adaptor*	FM1009	FM1109

FM STYLE FLOWMETER FEATURES:

- Glass inner & outer tubes
- Full line of inlet connections
- Calibrated at 50 psi
- DISS 1240 outlet



FM1001



FM1101

*Canadian color-coding available. Add "C" to part number. Example FM1004C
Photos not to scale

QUICK-CLICK™ OXYGEN FLOWMETERS

Western's QuickClick™ click-style oxygen flowmeters provide confidence with every connection. That's because there is no flow tube to adjust. Just mount the meter in the wall and "click-in" your precise metered flow.

FLOWMETER FEATURES:

- Calibrated to 50 psi inlet
- Optional Power Take-Off units provide 50 psi additional outlet pressure
- Dual units for multi-patient use from one wall outlet
- DISS 1240 outlet

OPTIONS:

- For security chain, add suffix "S" to model number. Example: CFM101-08S



CFM101-08










CFM104-08



CFM407-25

*Canadian color-coding available. Add "C" to part number. Example: CFM104-08C

Photos not to scale

INLET	PART #	LPM	OPTIONS
Flowmeter (With 1/8" NPT Female)	CFM101-08 CFM101-15 CFM101-25 CFM301-08 CFM301-15 CFM301-25 CFM401-08 CFM401-15 CFM401-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 1/4" NPT Male	CFM102-08 CFM102-15 CFM102-25 CFM302-08 CFM302-15 CFM302-25 CFM402-08 CFM402-15 CFM402-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 DISS Hex Nut and Nipple	CFM103-08 CFM103-15 CFM103-25 CFM303-08 CFM303-15 CFM303-25 CFM403-08 CFM403-15 CFM403-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 DISS Handtight Nut and Nipple*	CFM104-08 CFM104-15 CFM104-25 CFM304-08 CFM304-15 CFM304-25 CFM404-08 CFM404-15 CFM404-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 Oxequip® Adaptor	CFM106-08 CFM106-15 CFM106-25 CFM306-08 CFM306-15 CFM306-25 CFM406-08 CFM406-15 CFM406-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 Ohmeda® Adaptor*	CFM107-08 CFM107-15 CFM107-25 CFM307-08 CFM307-15 CFM307-25 CFM407-08 CFM407-15 CFM407-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 Puritan® Adaptor	CFM108-08 CFM108-15 CFM108-25 CFM308-08 CFM308-15 CFM308-25 CFM408-08 CFM408-15 CFM408-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter
 Chemetron® Adaptor*	CFM109-08 CFM109-15 CFM109-25 CFM309-08 CFM309-15 CFM309-25 CFM409-08 CFM409-15 CFM409-25	1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM 1/2-8 LPM 1/2-15 LPM 1/2-25 LPM	W/Power Take-Off W/Power Take-Off W/Power Take-Off Dual Flowmeter Dual Flowmeter Dual Flowmeter

SUCTION REGULATORS AND ACCESSORIES

INLET CONNECTION	TYPE RANGE FLOW		
	Suction 0-200 mmHg 0-80 LPM	Suction Intermittent 0-Full Vacuum 0-200 LPM	Nursery 0-100 mmHg 0-30 LPM
Regulator with Standard Inlet 1/4" NPT Female	SRQ2001	SRQ2101	SRQ2201
 1/8" NPT Female	SRQ2002	SRQ2102	SRQ2202
 DISS Hex Nut and Nipple	SRQ2003	SRQ2103	SRQ2203
 DISS Handtight Nut and Nipple*	SRQ2004 SRQ2004C	SRQ2104 SRQ2104C	SRQ2204 SRQ2204C
 1/4" NPT Male	SRQ2005	SRQ2105	SRQ2205
 Oxequip® Adaptor	SRQ2006	SRQ2106	SRQ2206
 Ohmeda® Adaptor*	SRQ2007 SRQ2007C	SRQ2107 SRQ2107C	SRQ2207 SRQ2207C
 Puritan® Adaptor	SRQ2008	SRQ2108	SRQ2208
 Chemetron® Adaptor*	SRQ2009 SRQ2009C	SRQ2109 SRQ2109C	SRQ2209 SRQ2209C

REGULATOR FEATURES:

- Durable plastic case
- Quick switch for REG/OFF/FULL VACUUM
- Accurate suction control within range
- 2-1/2" diameter gauge
- Easy to use control knob
- Simplified internal mechanical design
- Consult Western for information on custom systems, sets, and custom hose assemblies



**Suction 0-200 mmHg
0-80 LPM
SRQ Series
SRQ2000 Suction
Regulator**



**Suction Intermittent
0-Full Vacuum
0-200 LPM
SRQ Series
SRQ2100 Suction
Regulator w/Intermittent**



**Nursery 0-100 mmHg
0-30 LPM
SRQ Series
SRQ2200 Suction
Regulator**

Photos not to scale.

*Canadian color-coding available. Add "C" to part number. Example: SRQ2004C

See page 32 for accessories.

SUCTION REGULATORS AND ACCESSORIES

REGULATOR FEATURES:

- Chrome-plated brass or black anodized aluminum body
- Adjustable - lockable suction limits
- Infinite suction control within locked range
- 2-1/2" diameter gauge
- Clearly labeled for application
- On/Off control
- Simplified internal mechanical design
- Consult Western for information on custom systems, sets, and custom hose assemblies









SR Series
SRA2204 Regulator
w/Chrome-Plated
Brass Body



SRA Series
SRA2204 Regulator
w/Anodized
Aluminum Body

*Canadian color-coding available. Add "C" to part number. Example: SR2014C

Regulators are supplied with DISS 1220 male outlet as standard. For barb outlet add suffix "B" to part number. Example SR2304B.

SR- Brass Chrome-Plated Regulators SRA- Black Anodized Aluminum Regulators	TYPE RANGE FLOW				
	Suction 0-200 mmHg 0-80 LPM	Surgical 0-200 mmHg 0-80 LPM	Suction Full Vac 0-Full Vacuum 0-90 LPM	Tracheal 0-200 mmHg 0-80 LPM	Tracheal Full Vac 0-Full Vacuum 0-90 LPM
INLET CONNECTION					
Regulator with Standard Inlet 1/4" NPT Female 	SR2101 SRA2101	SR2201 SRA2201	SR2301 SRA2301	SR2401 SRA2401	SR2501 SRA2501
 1/8" NPT Female	SR2102 SRA2102	SR2202 SRA2202	SR2302 SRA2302	SR2402 SRA2402	SR2502 SRA2502
 DISS Hex Nut and Nipple	SR2103 SRA2103	SR2203 SRA2203	SR2303 SRA2303	SR2403 SRA2403	SR2503 SRA2503
 DISS Handtight Nut and Nipple*	SR2104 SRA2104	SR2204 SRA2204	SR2304 SRA2304	SR2404 SRA2404	SR2504 SRA2504
 1/4" NPT Male	SR2105 SRA2105	SR2205 SRA2205	SR2305 SRA2305	SR2405 SRA2405	SR2505 SRA2505
 Oxequip® Adaptor	SR2106 SRA2106	SR2206 SRA2206	SR2306 SRA2306	SR2406 SRA2406	SR2506 SRA2506
 Ohmeda® Adaptor*	SR2107 SRA2107	SR2207 SRA2207	SR2307 SRA2307	SR2407 SRA2407	SR2507 SRA2507
 Puritan® Adaptor	SR2108 SRA2108	SR2208 SRA2208	SR2308 SRA2308	SR2408 SRA2408	SR2508 SRA2508
 Chemetron® Adaptor*	SR2109 SRA2109	SR2209 SRA2209	SR2309 SRA2309	SR2409 SRA2409	SR2509 SRA2509

Photos not to scale.



SUCTION REGULATORS AND ACCESSORIES

Tracheal Side 0-160 mmHg 0-80 LPM	Nursery 0-100 mmHg 0-30 LPM	Gastric 0-200 mmHg 0-3 LPM
SR2601 SRA2601	SR2701 SRA2701	SR2801 SRA2801
SR2602 SRA2602	SR2702 SRA2702	SR2802 SRA2802
SR2603 SRA2603	SR2703 SRA2703	SR2803 SRA2803
SR2604 SRA2604	SR2704 SRA2704	SR2804 SRA2804
SR2605 SRA2605	SR2705 SRA2705	SR2805 SRA2805
SR2606 SRA2606	SR2706 SRA2706	SR2806 SRA2806
SR2607 SRA2607	SR2707 SRA2707	SR2807 SRA2807
SR2608 SRA2608	SR2708 SRA2708	SR2808 SRA2808
SR2609 SRA2609	SR2709 SRA2709	SR2809 SRA2809



SR3501 Remote Safety Interrupter with Monitoring Gauge and DISS 1220 Inlet-Outlet









SR2507 Regulator with **SR3300** Cap and Bottle Assembly



SR3121 SR3200 SR3300 SR3401 SR3411

CAP AND BOTTLE ASSEMBLIES		
SR3121	16 oz	Polycarbonate Bottle and Cap with DISS 1220 Inlet-Outlet
SR3200	700 cc	Polycarbonate Bottle and Cap with DISS 1220 Inlet and Hose Tube Outlet
SR3300	1200 cc	Polycarbonate Bottle and Cap with DISS 1220 Inlet and Hose Tube Outlet
SR3400	Cap Assembly Only with DISS 1220 Inlet and Hose Tube Outlet	
BOTTLES ONLY		
SR3101	16 oz	Polycarbonate Bottle 12 per Case
SR3201	700 cc	Polycarbonate Bottle 12 per Case
SR3301	1200 cc	Polycarbonate Bottle 6 per Case
SR3401	1500 cc	Plastic Cap and Container Assembly 40 per Case
SR3411	2500 cc	Plastic Cap and Container Assembly 32 per Case
FITTINGS AND HOSE ASSEMBLIES		
MA-10	1/8" NPT Female x 1/4" NPT Male	
M22-1	DISS Hex Nut	
M22-10	DISS Nipple	
M22-2PA	DISS 1220 Handtight Nut Nipple x 1/8" NPT Male (White)	
MA-2	1/4" NPT Male x 1/4" NPT Male	
MQ304	Oxequip® Adaptor	
MQ204	Ohmeda® Adaptor (White)	
MQ404	Puritan® Adaptor	
MQ104	Chemetron® Adaptor (White)	
M22-7	1/4" Hose Barb to DISS Male 1220	
G4-SUC-060-FHTL-MBA	1/4" x 5' Clear Hose with DISS Female x 90° Male	
G4-SUC-060-LFHT-MBA	1/4" x 5' Clear Hose with 90° DISS Female x Male	

QUICK CONNECTS OXYGEN

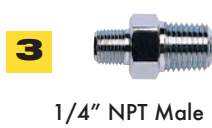
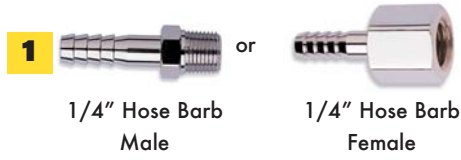
 <p>Chemetron® Male Style</p>	<p>MQ101 1/8 NPT Male MQ101-1 1/4 Hose Barb MQ101-2 DISS Male MQ101-3 1/4 NPT Male MQ101-4 1/8 NPT Female MQ101-5 Handtight Nut and Nipple MQ101-6 DISS Nut and Nipple</p>
 <p>Chemetron® Female Style</p>	<p>OR101 1/8 NPT Female OR101-1 1/4 Hose Barb OR101-2 DISS Male OR101-3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









Photos not to scale.

50 psi Nominal Working Pressure

*Canadian color-coding available. Add "C" to part number. Example: MQ101-5C









 Chemetron® Male Style*	MQ102 1/8 NPT Male MQ102-1 1/4 Hose Barb MQ102-2 DISS Male MQ102-3 1/4 NPT Male MQ102-4 1/8 NPT Female MQ102-5 Handtight Nut and Nipple MQ102-6 DISS Nut and Nipple
 Chemetron® Female Style*	OR102 1/8 NPT Female OR102-1 1/4 Hose Barb OR102-2 DISS Male OR102-3 1/4 NPT Male OR102-4 1/8 NPT Male OR102-5 Handtight Nut and Nipple OR102-6 DISS Nut and Nipple
 Ohmeda® Male Style*	MQ202 1/8 NPT Male MQ202-1 1/4 Hose Barb MQ202-2 DISS Male MQ201-3 1/4 NPT Male MQ202-4 1/8 NPT Female MQ202-5 Handtight Nut and Nipple MQ202-6 DISS Nut and Nipple
 Ohmeda® Female Style*	OR202 1/8 NPT Female OR202-1 1/4 Hose Barb OR202-2 DISS Male OR202-3 1/4 NPT Male OR202-4 1/8 NPT Male OR202-5 Handtight Nut and Nipple OR202-6 DISS Nut and Nipple
 Oxequip® Male Style	MQ302 1/8 NPT Male MQ302-1 1/4 Hose Barb MQ302-2 DISS Male MQ302-3 1/4 NPT Male MQ302-4 1/8 NPT Female MQ302-5 Handtight Nut and Nipple MQ302-6 DISS Nut and Nipple
 Puritan® Male Style	MQ402 1/8 NPT Male MQ402-1 1/4 Hose Barb MQ402-2 DISS Male MQ402-3 1/4 NPT Male MQ402-4 1/8 NPT Female MQ402-5 Handtight Nut and Nipple MQ402-6 DISS Nut and Nipple

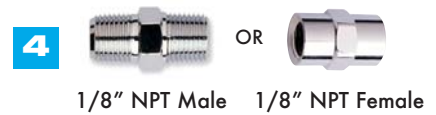
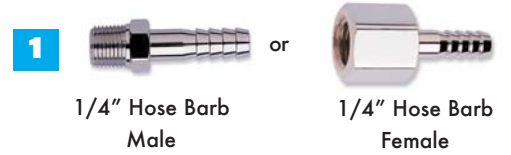
Photos not to scale.

50 psi Nominal Working Pressure

*Canadian color-coding available. Add "C" to part number. Example: MQ102-5C

QUICK CONNECTS NITROUS OXIDE

 <p>Chemetron® Male Style*</p>	<p>MQ103 1/8 NPT Male MQ103-1 1/4 Hose Barb MQ103-2 DISS Male MQ103-3 1/4 NPT Male MQ103-4 1/8 NPT Female MQ103-5 Handtight Nut and Nipple MQ103-6 DISS Nut and Nipple</p>
 <p>Chemetron® Female Style*</p>	<p>OR103 1/8 NPT Female OR103-1 1/4 Hose Barb OR103-2 DISS Male OR103-3 1/4 NPT Male OR103-4 1/8 NPT Male OR103-5 Handtight Nut and Nipple OR103-6 DISS Nut and Nipple</p>
 <p>Ohmeda® Male Style</p>	<p>MQ203 1/8 NPT Male MQ203-1 1/4 Hose Barb MQ203-2 DISS Male MQ203-3 1/4 NPT Male MQ203-4 1/8 NPT Female MQ203-5 Handtight Nut and Nipple MQ203-6 DISS Nut and Nipple</p>
 <p>Ohmeda® Female Style*</p>	<p>OR203 1/8 NPT Female OR203-1 1/4 Hose Barb OR203-2 DISS Male OR203-3 1/4 NPT Male OR203-4 1/8 NPT Male OR203-5 Handtight Nut and Nipple OR203-6 DISS Nut and Nipple</p>
 <p>Oxequip® Male Style</p>	<p>MQ303 1/8 NPT Male MQ303-1 1/4 Hose Barb MQ303-2 DISS Male MQ303-3 1/4 NPT Male MQ303-4 1/8 NPT Female MQ303-5 Handtight Nut and Nipple MQ303-6 DISS Nut and Nipple</p>
 <p>Puritan® Male Style</p>	<p>MQ403 1/8 NPT Male MQ403-1 1/4 Hose Barb MQ403-2 DISS Male MQ403-3 1/4 NPT Male MQ403-4 1/8 NPT Female MQ403-5 Handtight Nut and Nipple MQ403-6 DISS Nut and Nipple</p>



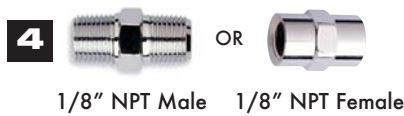
Photos not to scale.







50 psi Nominal Working Pressure

*Canadian color-coding available. Add "C" to part number. Example: MQ103-5C



For more information, call Western Customer Service at **1-800-783-7890**






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

Photos not to scale.

50 psi Nominal Working Pressure










*Canadian color-coding available. Add "C" to part number. Example: MQE101-5C

OXYGEN DISS NUTS, NIPPLES & BODY ADAPTERS

DISS 1240 200 psi Max.					
NUTS (9/16-18 THREAD)		NIPPLES (DISS 1240)		BODY ADAPTORS (DISS 1240)	
M24-1	11/16" Hex	M24-8HN	1/4" Hose Barb 2" W/O-Ring	M24-4	1/8" NPT Male
M24-2	Knurled Handtight	M24-10	1/8" NPT Male x 1-1/2" W/Wrench Flats	M24-5	1/4" NPT Male
M24-2P	Handtight W/Green Collar	M24-11	1/8" NPT Male x 1-1/2" W/Wrench Flats and O-Ring	M24-6	1/8" NPT Female
M24-2PA	Handtight Nut Ass'y 1/8" NPT Green	M24-12	Tapered 3/16" to 3/8" Hose Barb	M24-7	1/4" NPT Female
M24-2PH	Hex Handtight W/Green Collar	M24-13	Tapered 3/16" to 3/8" Hose Barb W/O-Ring	M24-8	1/4" Hose Barb
M24-2PW	Handtight Canada W/White Collar	M24-14	1/4" Hose Barb	M24-9	3/16" Hose Barb
M24-3	Wing Nut	M24-15	1/4" Hose Barb W/O-Ring		M24-5
	M24-1	M24-16	1/4" Hose Barb W/O-Ring		M24-7
	M24-2	M24-17	3/16" Hose Barb		M24-8
	M24-2P	M24-18	3/16" Hose Barb W/O-Ring		
	M24-2PA	M24-19	O-Ring Replacement		
		M24-41	1/8" NPT Male x 1" Broached for Allen Wrench		
		M24-42	1/8" NPT Male x 1" Broached W/O-Ring		
		M00-6	Retaining Ring		
		M00-8	Retaining Ring Tool		
			M24-10		
			M24-13		
			M24-14		


- Important:
1. Hose used on straight barbed hose fittings should be secured with crimp-style hose ferrules or proper clamps
 2. 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	
M24-27	Female to Male	M24-32	Female to 1/8" NPT Male	M24-24	Female to 1/4" Hose Barb
M24-28	Female to 1/8" NPT Male	M24-33	Female to 1/4" NPT Male	M24-25	Female to Female
M24-29	Female to 1/4" NPT Male	M24-34	Female to 1/8" NPT Female	M24-26	Male to Male
M24-30	Female to 1/8" NPT Female	M24-35	Female to 1/4" NPT Female	M24-46	Female to Tapered Hose Barb W/Chain and Hook
M24-31	Female to 1/4" NPT Female	M24-36	Female to 1/8" NPT Male 2-1/2"	M24-47	Female Handtight to Tapered Hose Barb W/Chain and Hook
M24-38	Male to DISS Male	M24-37	Female to 1/4" NPT Female 2-1/2"		M24-25
M24-39	Male to 1/4" NPT Male		M24-36		M24-26
M24-43	Male to Female, with 1-3/4" Nipple Extension		M24-33		M24-24
	M24-27		M24-35		
	M24-29				
	M24-39				



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
<p>M24-48H Black Cap W/Chain and Ring</p> <p>M24-48S Black Cap W/Chain and Eyelet</p>  <p>M24-48H</p>	<p>M24-20 Chrome Cap W/Chain and Ring</p>  <p>M24-20</p>	<p>M24-45P Nut and Nipple to Tapered Barb (Green)</p> <p>M24-45PW Nut and Nipple to Tapered Barb (White)</p> <p>M24-45PY Nut and Nipple to Tapered Barb (Yellow)</p>  <p>M24-45P</p>  <p>M24-45PW</p>

OXYGEN Y-CONNECTORS

DISS 1240 9/16-18 UNF Thread 200 psi Max.		
<p>MY-1 DISS Female Inlet to Male DISS Outlet</p>  <p>MY-1</p>	<p>MY-25 Female DISS Inlet to Male DISS with Shut-off Valves</p>  <p>MY-25</p>	<p>MY-7 Female DISS Inlet to 1/4" NPT Female Outlets</p>  <p>MY-7</p>

ANODIZED ALUMINUM MULTIPLE PORT BLOCK (OXYGEN ONLY)

Three 1/4 NPT Outlets 200 psi Max.

M24-80-1 1/8 NPT Inlet in 1/4 NPT Outlets (3 Outlets)

M24-80-2 Slide Plate (fits into wall mount bracket)

M24-80-3 Wall Mount Bracket



M24-80-1



M24-80-2



M24-80-3

Block Part # M24-80-1 can be provided with 3 DISS demand valve outlets. Block is standard 1/4 NPT female inlet.

Other available inlets with 3 DISS 1240 outlets:

M24-80 1/8 NPT

M24-84 DISS Nut & Nipple

M24-85 DISS Handtight nut

M24-86 Chemetron male

M24-87 Ohmeda male

MEDICAL GAS WALL OUTLETS

Available in Four Keying Styles for Most Medical Gases.

NEW

MWS-1-Y-Z Ohmeda

MWS-2-Y-Z Chemetron

MWS-3-Y-Z Puritan-Bennet (Not Shown)

MWS-4-Y-Z DISS



MWS-1-2-1









MWS-4-8-1



MWS-2-9-1

OXYGEN DEMAND, CHECK & REVERSE FLOW VALVES

OXYGEN DISS 1240 9/16" Thread 200 psi Max		
DEMAND VALVES 500 SCFH Flow @ 50 psi M24-40 1/8" NPT Male to DISS M24-50 1/4" NPT Male to DISS  M24-50	CHECK VALVES 50 psi M24-4CV 1/8" NPT Male 50 psi M24-5CV 1/4" NPT Male 50 psi  M24-5CV	REVERSE FLOW VALVES 1000 SCFH flow @ 50 psi MCV-1 Flow into 9/16-18 Male Inlet to Female Outlet MCV-2 Flow into 9/16-18 Male inlet to Male Outlet MCV-3 Flow into 1/4 NPT Male Inlet to 9/16-18 Male Outlet  MCV-1  MCV-2  MCV-3
ADAPTERS MD-1 1/8" NPT Male to 1/8" NPT Female MD-2 1/4" NPT Male to 1/8" NPT Female MD-3 1/4" NPT Male to 1/4" NPT Female  MD-3		
		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.

OXYGEN SHUT-OFF VALVES

DISS 1240 9/16-18 Thread 200 psi Max.	
PCTFE (Kel-f) Tip & Teflon Packing	
MV-1S 9/16-18 Female Inlet to 9/16-18 Male Outlet MV-2S 1/4" NPT Male Inlet to 9/16-18 Male Outlet MV-3S 9/16-18 Male Inlet to 1/4" NPT Male Outlet MV-5S 9/16-18 Male Inlet to 9/16-18 Male Outlet	 MV-1S  MV-3S

Photos not to scale.

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.





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	MG-C6*	15 LPM	1-1/2" OD	1/8" NPT	Chrome	MG-B6*	15 LPM	1-1/2" OD	1/8" NPT	Black
MG-B1	4000 psi	1-1/2" OD	1/8" NPT	Black	MG-B22*	5 LPM	1-1/2" OD	1/8" NPT	Black	MG-C23	4000 psi	1-1/2" OD	1/8" NPT	Chrome
MG-C2	4000 psi	2" OD	1/4" NPT	Chrome	MG-B24	4000 psi	1-1/2" OD	1/8" NPT	Black	MG-C33*	8 LPM	1-1/2" OD	1/8" NPT	Chrome
MG-C3	100 psi	1-1/2" OD	1/8" NPT	Chrome	MG-B33*	8 LPM	1-1/2" OD	1/8" NPT	Black	MG-C35	4000 psi	1-1/2" OD	1/8" NPT	Chrome
MG-C4	100 psi	2" OD	1/4" NPT	Chrome	MG-B35	4000 psi	1-1/2" OD	1/8" NPT	Black	MG-C67*	1 LPM	1-1/2" OD	1/8" NPT	Chrome
MG-C5	15 LPM*	1-1/2" OD	1/8" NPT	Chrome	MG-B69*	1/2 LPM	1-1/2" OD	1/8" NPT	Black	MG-C75	3000 psi	1-1/2" OD	1/8" NPT	Chrome
MG-C7	15 LPM*	2" OD	1/4" NPT	Chrome	MJ-C1	3000 psi	1-1/2" OD	1/8" NPT	Stainless	MJ-C1P	Above Gauge with Protector			
MG-C8	5 LPM*	2" OD	1/4" NPT	Chrome	MJ-C2	4000 psi	1-1/2" OD	1/8" NPT	Stainless	MJ-C2P	Above Gauge with Protector			
MG-C31	8 LPM*	2" OD	1/4" NPT	Chrome										
MG-C32	8 LPM*	2" OD	1/8" NPT	Chrome										
MG-C34	4000 psi	2" OD	1/4" NPT	Chrome										
MG-C63	1 LPM*	2" OD	1/4" NPT	Chrome										
MG-C68	1/2 LPM*	2" OD	1/4" NPT	Chrome										

OXYGEN REGULATOR REPLACEMENT OUTLET ORIFICE BUSHINGS

For use on Western Flow Gauge Regulators Only


STRAIGHT DISS			90° BARB			STRAIGHT BARB		
10-NPD3	1/2 LPM	1/4 NPT Male	1404-4B	5 LPM 26mm 3/16" Barb to 1/8 NPT Male	10-N77-2	15 LPM #77 3/16" Barb to 1/8 NPT Male		
10-NPD	1 LPM	1/4 NPT Male	10-NSP-1	5 LPM 26mm 3/16" Barb to 1/4 NPT Male	10-N80-2	8 LPM #80 3/16" Barb to 1/8 NPT Male		
1422A-5	5 LPM 26mm	1/8 NPT Male	1404-4A	8 LPM #80 3/16" Barb to 1/8 NPT Male	10-N77-2	15 LPM #77 3/16" Barb to 1/8 NPT Male		
10-NSP	5 LPM 26mm	1/4 NPT Male	1404-4C	15 LPM #77 3/16" Barb to 1/8 NPT Male				
1422A	8 LPM #80	1/8 NPT Male						
10-N80	8 LPM #80	1/4 NPT Male						
1422A-15	15 LPM #77	1/8 NPT Male						
10-N77	15 LPM #77	1/4 NPT Male						
 10-NPD			 10-NSP-1			 10-N80-2		

*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.


15 LPM	8 LPM	5 LPM	1 LPM	1/2 LPM
1422A-15	1422A	1422A-5	10-NPD	10-NPD3
10-N77	10-N80	10-NSP		
1404-4C	1404-4A	1404-4B		
10-N77-2	10-N80-2	10-NSP-2		


OXYGEN HIGH PRESSURE FITTINGS AND PIGTAILS

CYLINDER CONNECTIONS 3000 PSI MAX	
NUTS	CGA-540
M54-1	Oxygen Cylinder Nut
M54-10	Handtight Nut (Brass)
M54-10P	Handtight Nut W/ Plastic Grip
	 
NIPPLES	CGA-540
M54-2	1/4" NPT Male x 2"
M54-3	1/4" NPT Male x 2" W/Filter
M54-4	1/4" NPT Male x 2-1/2"
M54-5	1/4" NPT Male x 2-1/2" W/Filter
M54-5CV	1/4" NPT Male x 2-1/2" Check and Filter
M54-6	1/4" NPT Male x 3"
M54-7	1/4" NPT Male x 3" W/Filter
M54-11	1/4" NPT male x 2-1/2" W/Soft Tip
M54-12	Soft Tip Replacement
M54-13	1/4" NPT Male x 4-1/2"
	 

COUPLER TEES	
W/Cylinder Valve Outlets	3000 psi Max
M54-16	CGA-540 W/Female Inlet to 2 Male Outlets
M54-17	CGA-540 W/Female Inlet Check Valve to 2 Male Outlets
	

PLUG & CHAIN ASSEMBLY	
Provides gas tight seal	
3000 psi Max.	
M54-22	CGA-540
	

HIGH PRESSURE PIGTAILS	
CGA-540	3000 psi Max 27" Tubing Length
M54-18	Rigid Tube Chrome-Plated and Plated Fittings
M54-19	W/Check Valve
	

HIGH PRESSURE FLEXIBLE HOSE	
ANSI Type 304 Stainless Steel Braid	
Teflon Inner Core	
3000 psi Max Operating Pressure	
12,000 psi Burst Pressure	
MPF-540	W/CGA-540 Nut and Nipple Both Ends
MPF-54OHT	W/CGA-540 Handtight Nuts Both Ends
	

Note: Flexible pigtails available in standard lengths 18", 24", 36", & 48". Specify length with Model Number (Example: (MPF-540-18.)
 For check valve add "CV" to model number (Example: MPF-540CV.)
 Custom lengths available on request. (Example: MPF-540-72)






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
 M87-1	 M87-4	 M87-8

OXYGEN YOKES CGA-870 See Page 49 For Yoke Replacement Parts	
PART #	OUTLET
M87-1	CGA-540 Male Thread
M87-4	1/4 NPT Male
M87-4CV	1/4 NPT Male W/Check Valve
M87-4S	1/4 NPT Male W/Swivel
M87-8	1/2 NPT Male
M87-5	Swivel Assembly For Compact Regulators

OXYGEN POST & SPIGOT VALVES 3/4"-16UNF-2A

				
MPV-872 Wrench Valve CGA-870	MPV-872 Wrench Valve with MPV-4027 Seal CGA-870	MPV-870 Dual Control Valve CGA-870	MPV-872T Toggle Valve CGA-870	QUE-9001 Spigot Valve for M60 & M Aluminum Cylinders CGA-540

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

MPV-4027	Post Valve Seal (Plastic Clip Dust Cover) See Photo Above
MPV-4040	Post Valve Seal (Shrink Wrap Dust Cover)

TEST GAUGE OXYGEN

For Testing Cylinder Contents 3000 psi Max	MGT-540	
MGT-540	Oxygen CGA-540, RH Female Handtight Nut	























DISS NUTS, NIPPLES AND BODY ADAPTERS

NUTS		NIPPLES		BODY ADAPTORS	
MEDICAL AIR DISS 1160-A 3/4-16 Thread 200 psi Maximum					
M16-1 7/8" Hex M16-2 Handtight (Brass) M16-2P Handtight/Yellow Collar M16-2PC Handtight/Black/White Collar  M16-2P  M16-1  M16-2PC	M16-8 1/8" NPT Male W/Wrench Flats M16-9 1/8" NPT Male W/Wrench Flats and O-Ring M16-10 1/4" NPT Male W/Wrench Flats M16-11 1/4" NPT Male W/Wrench Flats and O-Ring M16-12 1/4" Hose Barb M16-13 1/4" Hose Barb W/O-Ring M16-14 3/16" Hose Barb M16-15 3/16" Hose Barb W/O-Ring M16-16 O-Ring Replacement  M16-9  M16-12	M16-4 1/8" NPT Male M16-5 1/4" NPT Male M16-6 1/8" NPT Female M16-7 1/4" Hose Barb  M16-4  M16-7			
NITROGEN DISS 1120-A 3/4-16 Thread 200 psi Maximum					
M12-1 7/8" Hex M12-2 Handtight (Brass) M12-2P Handtight/Black Collar  M12-2  M12-2P	M12-8 1/8" NPT Male W/Wrench Flats M12-9 1/8" NPT Male W/Wrench Flats and O-Ring M12-10 1/4" NPT Male W/Wrench Flats M12-11 1/4" NPT Male W/Wrench Flats and O-Ring M12-12 1/4" Hose Barb M12-13 1/4" Hose Barb W/O-Ring M12-14 3/16" Hose Barb M12-15 3/16" Hose Barb W/O-Ring M12-16 O-Ring Replacement  M12-11	M12-5 1/4" NPT Male M12-7 1/4" Hose Barb  M12-5  M12-7			
NITROUS OXIDE DISS 1040-A 3/4-16 Thread 200 psi Maximum					
MO4-1 7/8" Hex MO4-2 Handtight (Brass) MO4-2P Handtight/Blue Collar  MO4-2  MO4-2P	MO4-8 1/8" NPT Male W/Wrench Flats MO4-9 1/8" NPT Male W/Wrench Flats and O-Ring MO4-10 1/4" NPT Male W/Wrench Flats MO4-11 1/4" NPT Male W/Wrench Flats and O-Ring MO4-12 1/4" Hose Barb MO4-13 1/4" Hose Barb W/O-Ring MO4-14 3/16" Hose Barb MO4-15 3/16" Hose Barb W/O-Ring MO4-16 O-Ring Replacement MOO-5 Retaining Ring MOO-8 Retaining Ring Tool  MO4-13	MO4-4 1/8" NPT Male MO4-5 1/4" NPT Male MO4-6 1/8" NPT Female MO4-7 1/4" Hose Barb  MO4-5			

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









DISS NUTS, NIPPLES AND BODY ADAPTERS




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




Important: 1. Hose used on straight barbed hose fittings should be secured with crimp-style hose ferrules or proper clamps.
 2. Nipples with O-Ring should be used when using handtight nuts to insure proper seal.




TAPERED PIPE THREAD FITTINGS

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

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







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
MGA-2 1/8" NPT Female to 1/4" NPT Female	MT-2 1/4" NPT(3) Female x 2"	MT-5 1/8" NPT Male to 1/8" NPT(2) Female
MGA-4 1/4" NPT Female to 1/4" NPT Female	MT-3 1/4" NPT(3) Female x 3-1/8"	M24-60 Demand Valve Assembly (MT-5 & M24-40)
MGA-5 1/4" NPT Male to 1/4" NPT (2) Female		
 MGA-5	 MT-2	 MT-5 M24-60

BUSHINGS, COUPLERS, PLUGS 3000 psi Max.		
BUSHINGS: PIPE x PIPE THREAD	COUPLERS: PIPE x PIPE THREAD	PLUGS: PIPE THREAD
MA-1 1/8" NPT Male to 1/8" NPT Male	MA-4 1/8" NPT Female to 1/8" NPT Female	MA-35 7/16" Hex to 1/8" NPT Male
MA-2 1/4" NPT Male to 1/4" NPT Male	MA-5 1/4" NPT Female to 1/4" NPT Female	MA-36 5/8" Hex to 1/4" NPT Male
MA-3 1/4" NPT Male to 1/8" NPT Male	MA-6 1/4" NPT Female to 1/8" NPT Female	
MA-7 1/8" NPT Female to 1/8" NPT Male		
MA-8 1/4" NPT Female to 1/4" NPT Male		
MA-9 1/4" NPT Female to 1/8" NPT Male		
MA-10 1/8" NPT Female to 1/4" NPT Male		
MA-37 1/8" NPT Male to 1/8" NPT Male		
 MA-3	 MA-5	 MA-36

ANGLE ADAPTORS 1000 psi Max.		
90° PIPE X PIPE THREAD	45° PIPE X PIPE THREAD	
MA-11 1/8" NPT Female to 1/8" NPT Female	MA-13 1/8" NPT Female to 1/8" NPT Male	MA-16 1/8" NPT Female to 1/8" NPT Male
MA-12 1/4" NPT Female to 1/4" NPT Female	MA-14 1/4" NPT Female to 1/8" NPT Male	MA-17 1/4" NPT Female to 1/4" NPT Male
	MA-15 1/4" NPT Female to 1/4" NPT Male	
 MA-11	 MA-14	 MA-16



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
MH-5 1/8" NPT Male to 1/8" Hose Barb MH-6 1/8" NPT Male to 3/16" Hose Barb MH-7 1/8" NPT Male to 1/4" Hose Barb MH-8 1/4" NPT Male to 1/8" Hose Barb MH-9 1/4" NPT Male to 3/16" Hose Barb MH-10 1/4" NPT Male to 1/4" Hose Barb MH-11 1/4" NPT Male to 3/8" Hose Barb MH-19 1/8" NPT Male to Bubble Barb MH-20 1/4" NPT Male to 5/16" Hose Barb	MH-12 1/8" NPT Female to 1/8" Hose Barb MH-13 1/8" NPT Female to 3/16" Hose Barb MH-14 1/8" NPT Female to 1/4" Hose Barb MH-15 1/4" NPT Female to 1/8" Hose Barb MH-16 1/4" NPT Female to 3/16" Hose Barb MH-17 1/4" NPT Female to 1/4" Hose Barb MH-18 1/4" NPT Female to 3/8" Hose Barb MH-21 1/4" NPT Female to 5/16" Hose Barb	MH-2 3/16" Hose Barb Splicer MH-1 1/4" Hose Barb Splicer
 MH-10  MH-8  MH-19	 MH-17	 MH-1  MH-2

HOSE FERRULES AND CRIMPERS

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

(See page 58 for Custom Hose Assemblies and Hose Identification.)



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

FERRULES

MODEL	ID	LENGTH	CRIMPER*
M-6231	.330	1/2"	C-5A
M-833	.358	1/2"	C-5A
M-622	.380	1/2"	C-5A
M-620	.410	1/2"	C-5A
M-769	.450	9/16"	C-5A and CR-100
M-4750	.478	11/16"	CR-100
M-7322	.500	1"	CR-100
M-624-A	.500	5/8"	CR-100
M-624	.500	1/2"	CR-100
M-7323	.525	1"	CR-100
M-625-A	.525	5/8"	MC-4 and CR-100
M-625	.525	1/2"	MC-4 and CR-100
M-626	.548	31/64"	MC-4 and CR-100
M-3588	.564	3/4"	MC-4 and CR-100
M-K-K	.575	31/64"	MC-4 and CR-100

*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	MC-4	For 3/16" and 1/4" ID Hose
Hand-Grip Style	C-5A	For 3/16", 1/4" and 5/16" OD Hose
Bench Top	CR-100	For 3/16", 1/4", 5/16" and 3/8" ID Hose











C-5A



CR-100

MEDICAL AIR - NITROGEN - NITROUS OXIDE - SUCTION

NON-CORROSIVE GASES 1/4" NPT THREADS		
DEMAND VALVES	CHECK VALVES	REVERSE FLOW VALVES
MEDICAL AIR 850 SCFH Flow @ 50 psi M16-40 1/8" NPT Male M16-50 1/4" NPT Male  M16-40	MEDICAL AIR 50 psi M16-4CV DISS 1160-A X 1/8" NPT Male M16-5CV DISS 1160-A 1/4" NPT Male  M16-4CV	NON-CORROSIVE GASES MCV-4 Flow into 1/4" NPT male Inlet to 1/4" NPT male  MCV-4
NITROGEN 1000 SCFH Flow @ 175 psi M12-50 1/4" NPT Male  M12-50	NITROGEN 50 psi M12-4CV DISS 1160-A 1/8" NPT Male M12-5CV DISS 1160-A 1/4" NPT Male	MCV-5 Flow into 1/4" NPT Male Inlet to 1/4" NPT Female Outlet  MCV-5
NITROUS OXIDE 650 SCFH Flow @ 50 psi M04-40 1/8" NPT Male M04-50 1/4" NPT Male	NITROUS OXIDE 50 psi M04-4CV DISS 1160-A 1/8" NPT Male M04-5CV DISS 1160-A 1/4" NPT Male	MCV-6 Flow into 1/4" NPT Female to 1/4" NPT Male Outlet  MCV-6
SUCTION 180 SCFH Flow @ 50 psi M22-50 1/4" NPT Male		MCV-7 Flow into 1/4" NPT Female inlet to 1/4" NPT Female Outlet  MCV-7
MD-1 1/8" NPT Male to 1/8" NPT Female MD-2 1/4" NPT Male to 1/8" NPT Female MD-3 1/4" NPT Male to 1/4" NPT Female	 MD-2	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.



BRASS CHROME-PLATED SHUT-OFF VALVES

NON-CORROSIVE GASES 1/8" NPT AND 1/4" NPT

PCTFE (Kel-F®) Tip and Teflon Packing 3000 psi Max.

- MV-6S** 1/4" NPT Male Inlet to 1/4" NPT Male Outlet
- MV-9S** 1/8" NPT Male Inlet to 1/8" NPT Male Outlet
- MV-11S** 1/4" NPT Male Inlet to 1/4" NPT Female Outlet
- MV-12S** 1/4" NPT Female to 1/4" NPT Male Outlet
- MV-17S** 1/8" NPT Female Inlet to 1/8" NPT Female Low pressure oxygen valves see page 39.



MV-17S



MV-9S

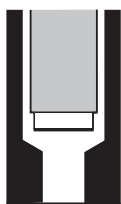
CARTRIDGE VALVES

STAINLESS BODY (Teflon and Kel-F®) Packing 3000 and 6000 psi Max. Models

SOFT SEAT MODELS HAVE PCTFE (Kel-F®) Tip Cleaned for Oxygen Service

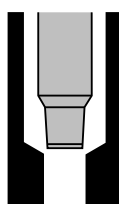
SOFT SEAT 3000 PSI

- SS-CK** Replacement Cartridge
- SS-110K** 1/4 NPT Male to 1/4 NPT Male
- SS-120K** 1/4 NPT Male 90° to 1/4 NPT Male
- SS-130K** 1/4 NPT Female to 1/4 NPT Female



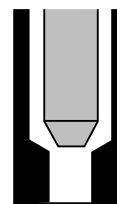
METERING SEAT 6000 PSI

- SS-CM** Replacement Cartridge
- SS-110M** 1/4 NPT Male to 1/4 NPT Male
- SS-120M** 1/4 NPT Male 90° to 1/4 NPT Male
- SS-130M** 1/4 NPT Female to 1/4 NPT Female



METAL TO METAL SEAT 6000 PSI

- SS-CS** Replacement Cartridge
- SS-110S** 1/4 NPT Male to 1/4 NPT Male
- SS-120S** 1/4 NPT Male 90° to 1/4 NPT Male
- SS-130S** 1/4 NPT Female to 1/4 NPT Female



Note: In most cases valve can be repaired without removing valve body from line



SS-130K
In-line Valve



SS-120M
90° Valve



SS-CS
Replacement Cartridge

MEDICAL YOKES ALL GASES EXCEPT OXYGEN

PIN INDEX YOKES 3000 PSI MAX

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

YOKES

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

See CGA chart on inside back cover of catalog.

YOKE REPLACEMENT PARTS



M00-3
T-Handle



M86-4CV-1
1/4 NPT Male Stem W/Check Valve



M87-1-1A
CGA-540 Stem



2544-2
Brass and Viton Washer



M00-9
T-Handle W/6" Grip



M86-4-1A
1/4 NPT Male Stem



MCP-370
Handtight Yoke Screw



MW-87
Halar Washer




M86-8-1A
1/2 NPT Male Stem




10-YB
Swivel Yoke Body Only




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			 <p>M34-16</p>
M34-16	CGA-346	Medical Air W/Female Inlet to 2 Male Outlets			
M58-16	CGA-580	Nitrogen or Helium W/Male Inlet to 2 Female Outlets			

PLUG & CHAIN ASSEMBLY		Medical Air			
Provides gas tight seal		3000 psi Max.			
M34-22	CGA-346	Medical Air			 <p>M34-22</p>

HIGH PRESSURE PIGTAILS		Nitrous Oxide	Medical Air	Nitrogen or Helium	
RIGID TUBE		3000 psi max			
Plated Copper Tubing with Chrome-Plated Brass Connections					
27" Tubing Length					
M32-18	CGA-326	Nitrous Oxide			 <p>M34-18</p>
M34-18	CGA-346	Medical Air			
M58-18	CGA-580	Helium or Nitrogen			

HIGH PRESSURE STAINLESS BRAIDED FLEXIBLE HOSE					
Nitrous Oxide-Medical Air		Nitrogen	Medical Mixtures		
ANSI Type 304 Stainless Steel Braid		Lengths: 18", 24", 36", and 48"			
Teflon® Inner Core		3" Minimum Bend Radius			
3000 psi Max Operating Pressure					
12,000 psi Burst Pressure					
MPF-326	W/CGA-326	Nitrous Oxide Female Nut and Nipple Both Ends			 <p>MPF-326</p>
MPF-346	W/CGA-346	Medical Air Female Nut and Nipple Both Ends			
MPF-500	W/CGA-500	Medical Mixtures Male Hex Nuts Both Ends			
MPF-580	W/CGA-580	Helium or Nitrogen Male Hex Nuts Both Ends			
MPF-4	1/4 NPT Female, Both Ends				
Note: Flexible pigtails available in standard lengths 18", 24", 36", & 48"					
Custom lengths available on request.					
Specify length with Model Number. (Example: (MPF-540-60)					
For check valve add "CV" to model number (Example: MPF-540CV-24)					

THERMOPLASTIC		Flexible Pigtail, Nylon Lined	3000 psi Max	CGA BRASS CONNECTIONS	
PFS-92	CGA-580	Helium			 <p>PFS-92</p>
PFS-92CV	CGA-580	Helium W/Check Valve Inlet End			

HIGH PRESSURE CYLINDER CONNECTIONS

CYLINDER CONNECTIONS 3000 psi Max

NUTS

MEDICAL AIR CGA-346

830-14 NGO RH Internal Thread

M34-1 1-1/8" Hex Nut

M34-10 Handtight (Brass)

M34-10P Handtight W/Black Plastic Grip



M34-10



M34-10P

NIPPLES

M34-4 1/4" NPT Male, 2-1/2" Length

M34-5 1/4" NPT Male, 2-1/2" Length W/Filter

M34-5CV 1/4" NPT Male, 2-1/2" Length W/Filter and Check Valve

M34-11 1/4" NPT Male, 2-1/2" Length W/Soft Tip

M34-12 Soft Tip Replacement



M34-5

NITROGEN OR HELIUM CGA-580

960-14 NGO RH External Thread

M58-1 1-1/8" Hex Nut

M58-10 Handtight (Brass)

M58-10P Handtight W/Black Plastic Grip



M58-1

M58-3 1/4" NPT Male, 2-1/2" Length W/Filter

M58-3CV 1/4" NPT Male, 2-1/2" Length W/Filter and Check Valve

M58-5 1/4" NPT Male, 3" Length W/Filter

M58-7 1/4" NPT Male, 3-1/2" Length W/Filter

M58-11 1/4" NPT Male, 3" Length W/Filter W/O-Ring

M58-12 O-Ring Replacement



M58-5

NITROUS OXIDE CGA-326

830-14 NGO RH Internal Thread

M32-1 1-1/8" Hex Nut

M32-10 Handtight (Brass)

M32-10P Handtight W/Black Plastic Grip



M32-1

M32-4 1/4" NPT Male, 2-1/2" Length

M32-5 1/4" NPT Male, 2-1/2" Length W/Filter

M32-5CV 1/4" NPT Male, 2-1/2" Length W/Filter and Check Valve

M32-11 1/4" NPT Male, 2-1/2" Length W/Soft Tip

613-KPT Soft Tip Replacement



M32-11

CARBON DIOXIDE CGA-320

830-14 NGO RH Internal Thread

M30-1 1-1/8" Hex Nut

M30-10 Handtight (Brass)

M30-10P Handtight W/Black Plastic Grip



M30-1

M30-2 1/4" NPT Male, 2" length W/Washer

M30-4 1/4" NPT Male, 2-1/2" length W/Washer

M30-5 1/4" NPT Male, 2-1/2" length W/Washer and Filter

M30-5CV 1/4" NPT Male, 2-1/2" length W/Washer/Filter/Check Valve

CO-6N Washer Replacement



M30-4

MEDICAL BREATHING MIXTURES CGA-280

750-14 NGO RH Internal Thread

M28-1 1-1/8" Hex Nut

M28-10P Handtight W/Black Plastic Grip



M28-1

M28-4 1/4" NPT Male, 2-1/2" Length

M28-5 1/4" NPT Male, 2-1/2" Length W/Filter

M28-11 1/4" NPT Male, 2-1/2" Length W/Soft Tip

M28-12 Soft Tip Replacement



M28-5

MEDICAL MIXTURES CGA-500

830-14 NGO RH External Thread

M50-1 1-1/8" Hex Nut

M50-10 Handtight (Brass)

M50-10P Handtight W/Black Plastic Grip



M50-1

M50-3 1/4" NPT Male, 2-1/2" Length W/Filter

M50-7 1/4" NPT Male, 3-1/2" Length W/Filter

M58-11 1/4" NPT Male, 3" Length W/O-Ring

M58-12 O-Ring Replacement



M50-3



GAUGES (NON-CORROSIVE GASES AND NITROUS OXIDE)



MG-C29



MG-C14



MG-C58



BOTTOM PORT					BACK PORT				
MG-C9	4000 psi	2" OD	1/4" NPT	Chrome	MG-B57	100 psi	1-1/2" OD	1/8" NPT	Black
MG-C11	100 psi	2" OD	1/4" NPT	Chrome	MG-B59	300 psi	1-1/2" OD	1/8" NPT	Black
MG-C13	4000 psi	1-1/2" OD	1/8" NPT	Chrome					
MG-C14	30 psi	2" OD	1/4" NPT	Chrome					
MG-C15	60 psi	2" OD	1/4" NPT	Chrome					
MG-C16	200 psi	2" OD	1/4" NPT	Chrome					
MG-C17	400 psi	2" OD	1/4" NPT	Chrome					
MG-C18	600 psi	2" OD	1/4" NPT	Chrome					
MG-C19	1000 psi	2" OD	1/4" NPT	Chrome					
NITROUS OXIDE Blue face w/white letters					VACUUM				
MG-C29	2000 psi	2" OD	1/4" NPT	Chrome	MG-C58	30 inHg Vac	1-1/2" OD	1/8" NPT	Chrome
MG-C30	100 psi	2" OD	1/4" NPT	Chrome		Back Port			
					MG-B76	200 mm HG/	2" OD	1/8" NPT	Black
						Bottom Port			

GAUGE COVERS Clear Polycarbonate	 <p>MGL-15WS</p>	 <p>MGL-20</p>	 <p>MGL-70</p>
	<p>MGL-15 Screw-On Type for 1-1/2" Chrome Gauges</p> <p>MGL-15WS Snap-In Type for 1-1/2" Gauges</p>	<p>MGL-20 Screw-On Type for 2" Chrome and Black Gauges</p> <p>MGL-70 Snap-In Type for 2-1/2" Suction Gauges</p>	
GAUGE PROTECTORS Green Rubber	<p>G-2-P For 1-1/2" Diameter Bottom Port Gauges</p> <p>G-2-P2 Set for 1-1/2" Diameter Bottom Port Gauges</p>	 <p>G-2-P2</p>	

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	M24-70	M16-70	M22-70
1/4" NPT Female Without Connector	M24-71	M16-71	M22-71
 DISS Hex Nut and Nipple	M24-74	M16-74	M22-74
 DISS Handtight Nut and Nipple*	M24-75	M16-75	M22-75
 Chemetron® Adaptor*	M24-76	M16-76	M22-76
 Ohmeda® Adaptor*	M24-77	M16-77	M22-77
 Oxequip® Adaptor	M24-78	M16-78	M22-78
 Puritan® Adaptor	M24-79	M16-79	M22-79



M24-70
(2 Outlet Style)







Example:
M24-75
2 outlet style with DISS
Handtight Nut & Nipple
Connection

50 psi Nominal Working Pressure

*For Canadian Color-Coding add "C" To Part Number, Example: M24-76C

Product not to scale.



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

50 psi Nominal Working Pressure

*For Canadian Color-Coding add "C" To Part Number, Example: OR101-76C



OR103-70



OR201-70



Example:
OR101-76
Chemetron® OR Y-Coupler
with Chemetron® Adaptor



Example:
OR204-76
Ohmeda® OR Y-Coupler
with Chemetron® Adaptor

TS9-10-12PK



The TS9-10-12PK is a complete system designed for transfilling 12 cylinders at a time from a supply bank of 10 large cylinders.

TS9 TRANSFILL SYSTEMS FEATURE:

- Cost effective and safe filling of high pressure aluminum or steel oxygen cylinders up to 2015 psi
- A wide range of transfill system configurations
- The ability to upgrade systems as cylinder fill requirements increase
- Detailed instructions for installation and operation including documentation for FDA compliance

WHSV-9-5ER	5 Station Supply Header W/Check Valves
TSS-9-5M	5 Station Supply Header Extension W/Check Valves
PF-63CV-24	24" Supply Side Pigtails W/Check Valves
MCP325	12 Cylinder Manifold Cart
TSREG-9C	Pressure Control Regulator
PF-63HT-60	60" Supply-To-Fill Pigtail
VV200	Dual Vacuum Regulator Assembly
TS9-500PK	Transfill Accessories Kit



TS9-5-3PK

The TS9-5-3PK is a complete starter system designed for transfilling 3 cylinders at a time from a supply bank of 5 large cylinders. This system includes:

TSS-9-5	Supply Side Header W/Check Valves
TSF-9-3	Fill Side Header W/Contents Gauges, Restricters and Shut-Off Valves at Fill Ports
PF-63CV-24	24" Supply Side Pigtails W/Check Valves
TSREG-9A	Pressure Control Regulator Assembly
PF-63-870-24	24" Fill Side Pigtails
PF-63HT-60	60" Supply-To-Fill Pigtail
VV100	Vacuum Regulator
TS9-PK	Transfill Accessories Kit (see below)
PX-1025	Cylinder Rack (optional)

TS9-500PK AND TS9-PK

Transfill Accessories Kits Include:

TR-104	Oxygen Analyzer
MCP511 *	Vacuum Pump Heavy Duty (10 cu.ft.)
CS-PK2	Vacuum Pump for TS9-PK Kit Only
MSH15580	Nitrogen Calibration Regulator for TR-104
MSH15540	Oxygen Calibration Regulator for TR-104
G-544A	Contents Test Gauge
MST-1	Aluminum Cylinder Thermometer
CLM-1	Lot Number Label Gun
CL-1	Lot Number Labels (1250/Roll)
A80024	Oxygen Cylinder Labels
A60019	Full, In-Use and Empty Tags
MTT-1	Teflon Thread Tape 1/4" x 520" Roll
MPV-4027	Post Valve Seals



**TR-104
Oxygen
Analyzer**



**CS-PK2
vacuum pump**

* Included with/TS9-10-12PK System Only



5-YEAR LIMITED WARRANTY

① HOSE TYPE	② GAS SERVICE	③ HOSE LENGTH	④ and ⑤ INLET-OUTLET CONNECTIONS
G3 3/16" ID General Non-Conductive	OXY Oxygen	Specify Length (Inches)	FNN Female Nut and Nipple
C4 1/4" ID Conductive	AIR Medical Air	Minimum 8" (008)	MBA Male Body Adaptor
N4 1/4" ID Non-Conductive	SUC Suction	Max Conductive 20' (240)	MP2 Male Pipe 1/8"
G4 1/4" ID General Non-Conductive	N ₂ O Nitrous Oxide	with Fittings	FP2 Female Pipe 1/8"
C5 5/16" ID Conductive	EVC Evacuation	Max Non-Conductive 300' (3600)	OHM Ohmeda® Male
N5 5/16" ID Non-Conductive	CO ₂ Carbon Dioxide		PBM Puritan® Male
	NIT Nitrogen		SHM Schrader® Male
	GNR General		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

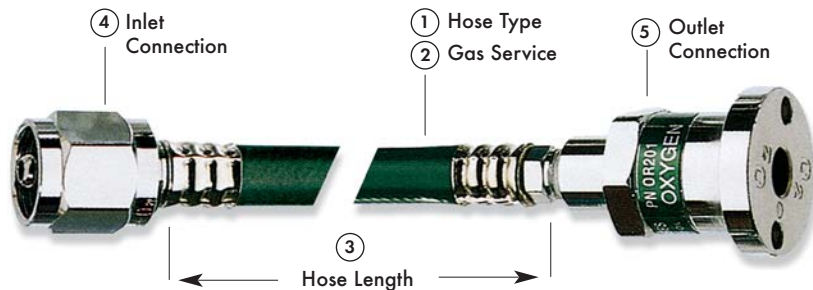
HOW TO ORDER:

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.

EXAMPLE:

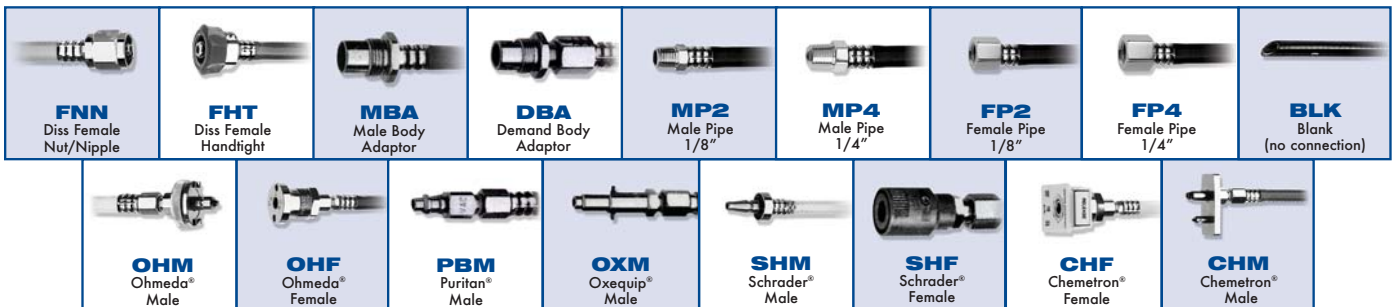
C4OXY024FNNOHF

- C4** 1/4" ID Conductive Hose
- OXY** Oxygen Service
- 024** 24" Long
- FNN** Female Nut and Nipple Inlet
- OHF** Ohmeda® Female Outlet



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

INLET-OUTLET CONNECTION



REINFORCED MEDICAL HOSE



MH4-24C



MH4-16N

BULK HOSE

CONDUCTIVE, UL LISTED
250 psi Working Pressure
1000 psi Burst Pressure

CONDUCTIVE, NON-UL LISTED
400 psi Working Pressure
1600 psi Burst Pressure

NON-CONDUCTIVE
250 psi Working Pressure
1000 psi Burst Pressure

CONDUCTIVE, UL LISTED 250' REEL

- MH4-04A 1/4" ID, Nitrous Oxide (Blue)
- MH4-12A 1/4" ID, Nitrogen (Black)
- MH4-16A 1/4" ID, Medical Air (Yellow), Suction for Canada
- MH4-22A 1/4" ID, Suction (White), Oxygen for Canada
- MH4-24A 1/4" ID, Oxygen (Green)

CONDUCTIVE, NON-UL LISTED 300' REEL

- MH4-04C 1/4" ID, Nitrous Oxide (Blue)
- MH4-08C 1/4" ID, Carbon Dioxide (Grey)
- MH4-12C 1/4" ID, Nitrogen (Black)
- MH4-16C 1/4" ID, Medical Air (Yellow), Suction for Canada
- MH4-22C 1/4" ID, Suction (White), Oxygen for Canada
- MH4-24C 1/4" ID, Oxygen (Green)
- MH5-22C 5/16" ID, Suction (White), Oxygen for Canada

NON-CONDUCTIVE 300' REEL

- MH3-00N 3/16" ID, General (Clear)
- MH4-00N 1/4" ID, General (Clear)
- MH4-04N 1/4" ID, Nitrous Oxide (Blue)
- MH4-12N 1/4" ID, Nitrogen (Black)
- MH4-16N 1/4" ID, Medical Air (Yellow), Suction for Canada
- MH4-22N 1/4" ID, Suction (White), Oxygen for Canada
- MH4-24N 1/4" ID, Oxygen (Green)
- MH5-26N 5/16" ID, Evacuation (Purple)

HOSE ASSEMBLY KITS

MK-5 108 Fittings W/Three Seat Crimper

QTY	DESCRIPTION	
1	C-5A	Vise-Grip® Style for 3/16", 1/4" and 5/16" OD Hose
8	M24-18	O-Rings
12	M-622	.380 ID x 1/2" Ferrules
12	M-620	.410 ID x 1/2" Ferrules
12	M-769	.450 ID x 9/16" Ferrules
10	M-6231	.330 ID x 1/2" Ferrules
10	M-833	.358 ID x 1/2" Ferrules
4	M24-16	Nipples W/3/16" Hose Barb
4	M24-17	Nipples W/3/16" Hose Barb
4	M24-14	Nipples W/1/4" Hose Barb
4	M24-15	Nipples W/1/4" Hose Barb
2	MH-6	Nipples W/3/16" NPT Hose Barb
2	MH-7	Nipples W/1/4" NPT Hose Barb
3	M24-4	Body Adaptors
3	M24-5	Body Adaptors
2	M24-8	Body Adaptors W/Hose Barb
1	M24-9	Body Adaptors W/Hose Barb
2	MH-1	Splicers
1	MH-2	Splicers
8	M24-1	Hex Nuts
4	M24-3	Wing Nuts

MK-4 96 Fittings W/Two Seat Crimper

QTY	DESCRIPTION	
1	M24-9	DISS Body
2	M24-8	DISS Body
3	M24-5	DISS Body
3	M24-4	DISS Body
4	M24-3	DISS Wing Nut
8	M24-18	O-Ring
4	M24-17	Nipple
4	M24-16	DISS Nipple
4	M24-15	Nipple
4	M24-14	DISS Nipple
8	M24-1	DISS Hex Nut
2	MH-7	Hose Adaptor
2	MH-6	Hose Adaptor
1	MH-2	Hose Splicer
2	MH-1	Hose Splicer
1	MC-4	Medical Crimping Tool
6	M-7323	Hose Ferrule
6	M-7322	Hose Ferrule
12	M-626	Hose Ferrule
12	M-4750	Hose Ferrule
8	M-3588	Hose Ferrule

Designed for making field repairs and creating custom hose assemblies. 200 psig max

CRYOGENIC HOSES/SAE FLARE CONNECTIONS

CRYOGENIC TRANSFER HOSES

For Oxygen, Nitrogen, and Argon Cryogenic Liquids



- Constructed with 316 stainless steel for all wetted parts
- Machined CGA Stainless Steel end connections
- Cleaned for oxygen service
- Exceptional flexibility, hose resists kinking
- 50 psi max

ACCESSORIES

- 90° stainless steel elbow extends hose life
- Phase separator speeds filling and controls splashing


TRANSFER HOSE, CRYOGENIC

PART #	DESCRIPTION	SERVICE
Oxygen Hose Assembly:		CGA-440
WMH-2-9	48"	
WMH-2-10	60"	
WMH-2-11	72"	
WMH-2-12	120"	
WMH-2-13	144"	
Nitrogen, Argon Assembly:		CGA-295
WMH-2-14	48"	
WMH-2-15	60"	
WMH-2-16	72"	
WMH-2-17	120"	
WMH-2-18	144"	
F-61	Oxygen, SS Cylinder Fill Elbow 90°	CGA-440
F-63	Nitrogen, Argon, SS Cylinder Fill Elbow 90°	CGA-295
F-62*	Phase Separator, 3/8" NPT F x 2-1/2" Long	—

* To attach to Transfer Hose Assembly, use F-32 for CGA-295 or F-42 for CGA-440.

BRASS SAE FLARE TUBING CONNECTIONS

	PART #	DESCRIPTION	PART	SERVICE	SAE FLARE
Pressures to 500 Psig (3400 kPa)					
	F-10	.4375"-20 UNF-28, RH F	Nut	CGA-165	1/4"
	F-11	CGA-165 to 1/8" NPT M	Adaptor		1/4"
	F-12	CGA-165 to 1/4" NPT M	Adaptor		1/4"
	F-20	.625"-18 UNF-28, RH F	Nut	CGA-182	3/8"
	F-22	CGA-182 to 1/4" NPT M	Adaptor		3/8"
	F-30	.750"-16 UNF-28, RH F	Nut	CGA-295	1/2"
	F-31	CGA-295 to 1/4" NPT M	Adaptor		1/2"
	F-32	CGA-295 to 3/8" NPT M	Adaptor		1/2"
	F-33	CGA-295 to 1/2" NPT M	Adaptor		1/2"
	F-40	.875"-14 UNF-28, RH F	Nut	CGA-440	5/8"
	F-41	CGA-440 to 1/4" NPT M	Adaptor		5/8"
	F-42	CGA-440 to 3/8" NPT M	Adaptor		5/8"
	F-43	CGA-440 to 1/2" NPT M	Adaptor		5/8"
	F-44	CGA-440 to 3/4" NPT M	Adaptor		5/8"



NON-CHROME PLATED BRASS FITTINGS AND ACCESSORIES

INFORMATION ABOUT THIS SECTION:


Non-chrome plated brass fittings are used in clinical workshops, equipment rooms, in wall installations, maintenance departments and for many other non-chrome applications.


Not recommended for medical environmental applications where external cleanliness and aesthetics are important.


All brass components are bright dipped and where applicable, cleaned for oxygen service.

NON-PLATED BRASS, COPPER, RIGID PIGTAILS, THERMOPLASTIC & STAINLESS BRAIDED HOSE

RIGID PIGTAILS			5/16" x .065" WALL COPPER TUBING	3000 psi Max	CGA Brass Connections Each End	12" Overall Length
P-CO-3	CGA-320	Carbon Dioxide				P92-CV
P-63	CGA-540	Oxygen				
P-63CV	CGA-540	Oxygen				
P-92	CGA-580	Nitrogen, Helium				
P-92CV	CGA-580	Nitrogen, Helium				
P-1320	CGA-326	Nitrous Oxide				
P-1320CV	CGA-326	Nitrous Oxide				
P-1340	CGA-346	Air				
P-1340CV	CGA-346	Air				

RIGID PIGTAILS W/VALVE			5/16" x .065" WALL COPPER TUBING	3000 psi Max	CGA Brass Connections	14" Overall Length
PV-CO-3	CGA-320	Carbon Dioxide				PV-92
PV-1320	CGA-326	Nitrous Oxide				
PV-1340	CGA-346	Air				
PV-63	CGA-540	Oxygen				
PV-92	CGA-580	Nitrogen, Helium				

THERMOPLASTIC Flexible Pigtail, Nylon Lined			3000 psi Max	CGA Brass Connections	
PFS-92-X	CGA-580	Helium			
PFS-92CV-X	CGA-580	Helium W/Check Valve Inlet End			
X= length in inches					

STAINLESS STEEL BRAIDED FLEXIBLE PIGTAILS, Brass Connections Pressure to 3000 psi				
PF2-4-18"	1/4"NPT F x 1/4"NPT F	Female Pipe Fittings		
PF2-4-24"	1/4"NPT F x 1/4"NPT F	Female Pipe Fittings		
PF2-4-36"	1/4"NPT F x 1/4"NPT F	Female Pipe Fittings		
PF2-4-48"	1/4"NPT F x 1/4"NPT F	Female Pipe Fittings		
PF2-4-60"	1/4"NPT F x 1/4"NPT F	Female Pipe Fittings		
PF2-4-72"	1/4"NPT F x 1/4"NPT F	Female Pipe Fittings		

Teflon Inner Core with Stainless Steel Braided Outer Jacket
 Steel Braid
 1/4" Nominal Inside Diameter
 Temperature Rating -65° F (54° C) Through 450° F (232° C)
 Minimum Bend Radius 3"
 Burst Pressure 12,000 PSIG
 Do Not Apply Heat to Pigtails

Stainless Braided Hose Also Available In 6000 psi Working Pressure
 W/Stainless Steel End Fittings

BRASS NON-CHROME PLATED HIGH PRESSURE CYLINDER CONNECTION

CGA-280 MEDICAL BREATHING MIXTURES For Pressures up to 3000 psig

- 284** Nut 1" Hex RH Female
- 283** Nipple 1/4" NPT X 2" Long



- 284**
- 283**

CGA-320 CARBON DIOXIDE For Pressures up to 3000 psig

- CO-2** Nut 1-1/8" Hex RH Female
- CO-3** Nipple 1/4" NPT X 2" Long
- CO-4CV** Nipple 1/4" NPT X 2-1/2" Long W/Check Valve
- CO-1TW** Washer-Teflon, Snap-in
- CO-6N** Washer-Nylon, Snap-in



- CO-6N**
- CO-2**
- CO-3**

CGA-326 NITROUS OXIDE For Pressures up to 3000 psig

- 13-2** Nut 1-1/8" Hex RH Female
- 13-3** Nipple 1/4" NPT X 2-1/2" Long
- 13-3CV** Nipple 1/4" NPT X 2-1/2" Long W/Check Valve



- 13-2**
- 13-3**

CGA-346 AIR For Pressures up to 3000 psig

- 14-2** Nut 1-1/8" Hex RH Female
- 14-3** Nipple 1/4" NPT X 2-1/2" Long
- 14-3CV** Nipple 1/4" NPT X 2-1/2" Long W/Check Valve



- 14-2**
- 14-3**

CGA-347 AIR 3001 psi to 5500 psig

- 347-2** Nut 1-1/16" Hex RH Female
- 347-3** Nipple 1/4" NPT X 3" Long



- 347-2**
- 347-3**

CGA-500 For Pressures up to 3000 psig

- 500-2** Nut 1-1/8" Hex RH Male
- 15-8** Nipple 1/4" NPT X 2-1/2" Long
- 15-8CV** Nipple 1/4" NPT X 2-1/2" Long W/Check Valve
- 15-4** Nipple 1/4" NPT X 3-1/2" Long



- 500-2**
- 15-8**

CGA-540 OXYGEN For Pressures up to 3000 psig

- 62** Nut 1-1/8" Hex RH Female
- 63** Nipple 1/4" NPT X 2-1/16" Long
- 63-CV** Nipple 1/4" NPT X 2" Long W/Check Valve
- 66** Nipple 1/4" NPT X 2-1/2" Long
- 69** Nipple 1/4" NPT X 3" Long



- 62**
- 63**

CGA-577 OXYGEN For Pressures 3001-4000 psi Max

- 577-2** Nut 1-1/4" Hex RH Female
- 577-4SF** Nipple W/Filter 1/4" NPT X 3" Long



- 577-2**
- 577-4SF**

CGA-580 For Pressures up to 3000 psig Max

- 92** Nut 1-1/8" Hex RH Male
- 15-3** Nipple 1/4" NPT X 3" Long
- 15-8** Nipple 1/4" NPT X 2-1/2" Long
- 15-8CV** Nipple 1/4" NPT X 2-1/2" Long W/Check Valve



- 15-3**
- 92**

NOTE: Nipples available with filters. Add SF to part number. (Example: 15-8SF)



NON-CHROME PLATED BRASS PIPE FITTINGS

HOSE SPLICERS for pressures up to 200 psig

45	3/16" Hose Barb to 3/16" Hose Barb	W/Round Stop
46	5/16" Hose Barb to 5/16" Hose Barb	W/Round Stop
56	5/16" Hose Barb to 5/16" Hose Barb	W/Out Stop
53	1/8" Hose Barb to 1/8" Hose Barb	W/Out Stop
44	1/4" Hose Barb to 1/4" Hose Barb	W/Round Stop



44

90° and 45° FITTINGS for pressures up to 3000 psig

BEL-4HP	1/4" NPT x 1/4" NPT	90° Female x Female
BL-2HP	1/8" NPT x 1/8" NPT	90° Female x Male
BL-4HP	1/4" NPT x 1/4" NPT	90° Female x Male
BSL-4HP	1/4" NPT x 1/4" NPT	45° Female x Male

BSL-4HP



BEL-4HP

3 WAY and 4 WAY CONNECTORS for pressures up to 3000 psig

BCR-4HP	1/4" NPT	4-Way Female
BFT-2HP	1/8" NPT	3-Way Female
BFT-4HP	1/4" NPT	3-Way Female



BCR-4HP



BFT-4HP

PIPE THREAD TEES for pressures up to 3000 psig

BMT-2HP	1/8" NPT	(Branch)
BMT-4HP	1/4" NPT	(Branch)
BST-4HP	1/4" NPT	(Street)

PIPE THREAD ADAPTORS for pressures up to 3000 psig

BA-4-2HP	1/4" NPT Female x 1/8" NPT Male
BA-4HP	1/4" NPT Female x 1/4" NPT Male
B-2HP	1/8" NPT Male x 1/8" NPT Male
B-4HP	1/4" NPT Male x 1/4" NPT Male
BF-2HP	1/8" NPT Female x 1/8" NPT Female
BF-4HP	1/4" NPT Female x 1/4" NPT Female
B-4-2HP	1/4" NPT Male x 1/8" NPT Male
BF-4-2HP	1/4" NPT Female x 1/8" NPT Female



BF-4HP

PIPE THREAD EXTENSIONS for pressures up to 3000 psig

BE-2-25HP	1/8" NPT Female to Male	2-1/2" Long	9/16" Hex
BE-4-3HP	1/4" NPT Female to Male	3" Long	3/4" Hex



BE-4-3HP

PIPE THREAD CAPS & PLUGS for pressures up to 3000 psig

PC-2HP	1/8" NPT Female Cap
PC-4HP	1/4" NPT Female Cap
P-4HP	1/4" NPT Male Hex Plug



P-4HP

PC-4HP

PIPE THREAD NIPPLES for pressures up to 3000 psig

BN-2-25HP	1/8" NPT Male	2-1/2" Long
BN-4-15HP	1/4" NPT Male	1-1/2" Long
BN-4-20HP	1/4" NPT Male	2" Long
BN-4-35HP	1/4" NPT Male	3-1/2" Long
BN-4-50HP	1/4" NPT Male	5" Long



BN-4-20HP

BRASS NON-CHROME PLATED FITTINGS

BRASS FITTINGS 200 PSI MAX

Bushings, Adaptors, Couplers, Hose Adaptors

Cleaned for Oxygen Service

Used in clinical workshops, backroom installations, maintenance departments

Not recommended for medical environmental applications

BUSHINGS

- 136** 1/8" NPT Male to DISS 1240 Male
- 30** DISS 1240 Male to DISS 1240 Male
- 32** 1/4" NPT Male to DISS 1240 Male



32

90° AND 45° ADAPTORS

- 107** 90° DISS 1240 Male to DISS 1240 Female
- 127** 45° 1/4" NPT Male to DISS 1240 Male
- 253** 90° 1/4" NPT Male to DISS 1240 Male



253

SWIVEL BUSHINGS

- 123** 1/4" NPT Male to DISS 1240 Female Swivel
- 153** DISS 1240 Female to 1/4" NPT Male
- 234** 1/4" NPT Female to DISS 1240 Female Swivel
- 244** 1/4" NPT Female to DISS 1240 Male
- 24-0** DISS 1240 Female Swivel to 1/4" Hose Barb



24-0



123

BARBED HOSE CONNECTORS

- 548** 1/8" NPT Male to 1/8" Hose Barb
- 545** 1/8" NPT Male to 1/4" Hose Barb
- 549** 1/4" NPT Male to 1/8" Hose Barb
- 541** 1/4" NPT Male to 1/4" Hose Barb
- 542** 1/4" NPT Male to 5/16" Hose Barb
- 552** 1/8" NPT Female to 1/4" Hose Barb
- 555** 1/4" NPT Female to 1/4" Hose Barb
- 556** 1/4" NPT Female to 5/16" Hose Barb



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

YOKE	THREAD	GAS ASSIGNMENT
870	540	 Oxygen
880	280	  Carbon Dioxide & Oxygen Mixture (CO ₂ not over 7.0%)
890	280	  Helium & Oxygen Mixtures (Helium not over 80%)
890	280	  Nitrogen & Oxygen Mixtures (O ₂ over 23.5%)
890	280	 Xenon & Oxygen Mixtures (O ₂ over 20%)
900	350	Ethylene
910	326	 Nitrous Oxide
920	510	Cyclopropane
930	500	  Helium & Helium Oxygen Mixtures (Helium over 80%)
940	500	  Carbon Dioxide & Carbon Dioxide Oxygen Mixtures (CO ₂ over 7%)
950	346	 Medical Air
965	280	  Nitrous Oxide & Oxygen Mixture (N ₂ 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
977	296	Oxidizing Mixtures not having another Medical
981	350	Gas Mixtures Medical Flammable
985	580	Gases and Gas Mixtures Assigned to the CGA Connection 580 and not having another Medical Yoke CGA Connection Assignment Gas Medical Mixtures Non-flammable, Non-corrosive
989		  Carbon Dioxide and Oxygen Mixtures (CO ₂ 4.9% to 5.25%)

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
MEDICA**
THE LEADER IN
MEDICAL GAS EQUIPMENT

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