



# Superior Products, LLC

*Medical Gas Fittings, Hose Assemblies, and Accessories*





**Superior Products, LLC is a leader in gas management products.** We have been manufacturing and distributing compressed gas fittings and assemblies for over 50 years. All our products are precision machined and assembled to the standards of the Compressed Gas Association by experienced personnel with state-of-the-art equipment.

This Hospital Products Catalog presents a comprehensive selection of medical gas fittings, hose assemblies and equipment; providing a wide range of choices and customization options.

Among the online services available:

- Our new online Custom Hose Configurator, a Superior innovation and an industry first, enables you to “design” a hose assembly to your specifications in only two easy selection steps. A third step displays a picture of your hose assembly along with its part number and price.
- You may review this entire catalog

Let Superior be “**Your Medical Gas Fittings Expert**” providing **Engineering, Manufacturing and Logistics** solutions for your medical gas fittings, assemblies and equipment needs.

#### **Compressed Gas Fittings & Equipment - Catalog #17B**

Includes the industry’s most complete line of CGA nuts, nipples, adaptors, and assemblies. Also features pigtailed, check valves, manifold fittings, cryogenic hoses and fittings, flash arrestors, quick connectors, hose repair kits, and valves.

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<b>SPECIAL MIXTURES</b>		<b>DISS-1020-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass chrome plated	"Special"	<b>MN-102</b>
	Nipple w/o-ring Replacement o-ring	1/4" I.D. barb, brass chrome plated EPDM		<b>MNP-407W</b> <b>MR-102</b>
	Body Adaptor	1/4" MNPT, brass chrome plated	"Special"	<b>MA-762</b>




<b>NITROUS OXIDE</b>		<b>DISS-1040-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female Nut Hand Tight	7/8" hex, brass/chrome Brass chrome plated, blue plastic grip	"N <sub>2</sub> O" "N <sub>2</sub> O"	<b>MN-104</b> <b>MHN-104P</b>
	Nipple w/o-ring Nipple Nipple w/o-ring	3/16" I.D. barb, brass/chrome 1/4" I.D. barb, brass/chrome 1/4" I.D. barb, brass/chrome		<b>MNP-305W</b> <b>MNP-307</b> <b>MNP-307W</b>
	Nipple Nipple w/o-ring Nipple Nipple w/o-ring Replacement o-ring	1/8" MNPT w/wrench flat, brass/chrome 1/8" MNPT w/wrench flat, brass/chrome 1/4" MNPT w/wrench flat, brass/chrome 1/4" MNPT w/wrench flat, brass/chrome EPDM		<b>MNP-309</b> <b>MNP-309W</b> <b>MNP-311</b> <b>MNP-311W</b> <b>MR-104</b>
	Body Adaptor Body Adaptor Body Adaptor	1/8" MNPT, brass/chrome 1/4" MNPT, brass/chrome 1/4" I.D. barb, brass/chrome	"N <sub>2</sub> O" "N <sub>2</sub> O" "N <sub>2</sub> O"	<b>MA-620</b> <b>MA-622</b> <b>MA-624</b>



<b>HELIUM, HELIUM/O<sub>2</sub> MIXTURE HELIUM OVER 80%</b>		<b>DISS-1060-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass chrome plated	"HE, HE/O <sub>2</sub> "	<b>MN-106</b>
	Nipple Nipple w/o-ring Nipple w/o-ring Replacement o-ring	1/4" I.D. barb, brass chrome plated 1/4" I.D. barb, brass chrome plated 1/4" MNPT w/wrench flat, brass/chrome EPDM		<b>MNP-317</b> <b>MNP-317W</b> <b>MNP-318W</b> <b>MR-106</b>
	Body Adaptor	1/4" MNPT, brass chrome plated	"HE, HE/O <sub>2</sub> "	<b>MA-722</b>




<b>CO<sub>2</sub>, CO<sub>2</sub>/O<sub>2</sub> MIXTURE</b>		<b>DISS-1080-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass chrome plated	"CO <sub>2</sub> , CO <sub>2</sub> /O <sub>2</sub> "	<b>MN-108</b>
	Nipple Nipple w/o-ring Nipple w/o-ring Replacement o-ring	1/4" MNPT w/wrench flat, brass/chrome 1/4" I.D. barb, brass chrome plated 1/8" MNPT w/wrench flat, brass/chrome EPDM		<b>MNP-321</b> <b>MNP-327W</b> <b>MNP-329W</b> <b>MR-108</b>
	Body Adaptor	1/4" MNPT, brass chrome plated	"CO <sub>2</sub> , CO <sub>2</sub> /O <sub>2</sub> "	<b>MA-732</b>





<b>NITROGEN</b>		<b>DISS-1120-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass/chrome	"N2"	<b>MN-112</b>
	Nut Hand Tight	Brass chrome plated, black plastic grip	"N2"	<b>MHN-112P</b>
	Nipple	1/4" I.D. barb, brass/chrome		<b>MNP-347</b>
	Nipple w/o-ring	1/4" I.D. barb, brass/chrome		<b>MNP-347W</b>
	Nipple	1/8" MNPT w/wrench flat, brass/chrome		<b>MNP-349</b>
	Nipple w/o-ring	1/8" MNPT w/wrench flat, brass/chrome		<b>MNP-349W</b>
	Nipple	1/4" MNPT w/wrench flat, brass/chrome		<b>MNP-351</b>
	Nipple w/o-ring	1/4" MNPT w/wrench flat, brass/chrome		<b>MNP-351W</b>
	Replacement o-ring	EPDM		<b>MR-112</b>
	Body Adaptor	1/4" MNPT, brass chrome plated	"N2"	<b>MA-662</b>
	Body Adaptor	1/4" I.D. barb, brass chrome plated	"N2"	<b>MA-664</b>

<b>MEDICAL AIR</b>		<b>DISS-1160-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass/chrome	"AIR"	<b>MN-116</b>
	Nut Hand Tight	Brass chrome plated, yellow plastic grip	"AIR"	<b>MHN-116P</b>
	Nut Hand Tight	White w/black dot plastic grip Canadian	"AIR"	<b>MHN-116PC</b>
	Nipple	1/4" I.D. barb, brass/chrome		<b>MNP-367</b>
	Nipple w/o-ring	1/4" I.D. barb, brass/chrome		<b>MNP-367W</b>
	Nipple	1/8" MNPT w/wrench flat, brass/chrome		<b>MNP-369</b>
	Nipple w/o-ring	1/8" MNPT w/wrench flat, brass/chrome		<b>MNP-369W</b>
	Nipple	1/4" MNPT w/wrench flat, brass/chrome		<b>MNP-371</b>
	Nipple w/o-ring	1/4" MNPT w/wrench flat, brass/chrome		<b>MNP-371W</b>
	Replacement o-ring	EPDM		<b>MR-116</b>
	Body Adaptor	1/8" MNPT, brass/chrome	"AIR"	<b>MA-680</b>
	Body Adaptor	1/4" MNPT, brass/chrome	"AIR"	<b>MA-682</b>
	Body Adaptor	1/4" I.D. barb, brass/chrome	"AIR"	<b>MA-684</b>

<b>O2/HELIUM MIXTURES</b>		<b>DISS-1180-A</b>	<b>200 PSIG</b>	
<b>HELIUM NOT OVER 80%</b>				
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass chrome plated	"O2-HE"	<b>MN-118</b>
	Nipple w/o-ring	1/4" I.D. barb, brass chrome plated		<b>MNP-377W</b>
	Replacement o-ring	EPDM		<b>MR-118</b>
	Body Adaptor	1/4" MNPT, brass chrome plated	"O2-HE"	<b>MA-692</b>




	Retaining Ring for all nut & nipple combinations except O2 & WAGD/EVAC			<b>XSR-100</b>
	Cap and chain assembly available for all gases except O2 & WAGD/EVAC 3/4"-16 UNF-2B RH, brass chrome plated			<b>MPC-100</b>




<b>O2/CO2 MIXTURES</b>		<b>DISS-1200-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass chrome plated	"O2-CO2"	<b>MN-120</b>
	Nipple	1/4" I.D. barb, brass chrome plated		<b>MNP-387</b>
	Nipple w/o-ring	1/4" I.D. barb, brass chrome plated		<b>MNP-387W</b>
	Replacement o-ring	EPDM		<b>MR-120</b>
	Body Adaptor	1/8" MNPT, brass chrome plated	"O2-CO2"	<b>MA-700</b>
	Body Adaptor	1/4" MNPT, brass chrome plated	"O2-CO2"	<b>MA-702</b>






<b>SUCTION/VACUUM</b>		<b>DISS-1220-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	7/8" hex, brass/chrome	"VAC"	<b>MN-122</b>
	Nut Hand Tight	Brass chrome plated, white plastic grip	"VAC"	<b>MHN-122P</b>
	Nut Hand Tight	Yellow plastic grip for Canadian marking	"VAC"	<b>MHN-122PC</b>
	Nipple	1/4" I.D. barb, brass/chrome		<b>MNP-397</b>
	Nipple w/o-ring	1/4" I.D. barb, brass/chrome		<b>MNP-397W</b>
	Nipple	5/16" I.D. barb, brass/chrome		<b>MNP-398</b>
	Nipple w/o-ring	5/16" I.D. barb, brass/chrome		<b>MNP-398W</b>
	Nipple	1/8" MNPT w/wrench flat, brass/chrome		<b>MNP-399</b>
	Nipple w/o-ring	1/8" MNPT w/wrench flat, brass/chrome		<b>MNP-399W</b>
	Nipple	1/4" MNPT w/wrench flat, brass/chrome		<b>MNP-401</b>
	Nipple w/o-ring	1/4" MNPT w/wrench flat, brass/chrome		<b>MNP-401W</b>
	Replacement o-ring	EPDM		<b>MR-122</b>
	Body Adaptor	1/8" MNPT , brass/chrome	"VAC"	<b>MA-710</b>
	Body Adaptor	1/4" MNPT, brass/chrome	"VAC"	<b>MA-712</b>
	Body Adaptor	1/4" I.D. barb, brass/chrome	"VAC"	<b>MA-714</b>







Retaining Ring for all nut & nipple combinations except O2 & WAGD/EVAC **XSR-100**

<b>OXYGEN</b>		<b>DISS-1240-A</b>	<b>200 PSIG</b>	
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Marked</b>	<b>Part Number</b>	
	Nut-Female	11/16" hex, brass/chrome		<b>MN-124</b>
	Nut-Female	11/16" hex, brass/chrome	"O2"	<b>MN-124-S</b>
	Nut Hand Tight	Brass chrome plated, green plastic		<b>MHN-124P</b>
	Nut Hand Tight	White plastic grip for Canadian marking		<b>MHN-124PC</b>
	Nipple	3/16" I.D. barb, brass/chrome		<b>MNP-435</b>
	Nipple w/o-ring	3/16" I.D. barb, brass/chrome		<b>MNP-435W</b>
	Nipple	1/4" I.D. barb, brass/chrome		<b>MNP-437</b>
	Nipple w/o-ring	1/4" I.D. barb, brass/chrome		<b>MNP-437W</b>
	Nipple	1/8" MNPT broached, brass/chrome 1"		<b>MNP-439</b>
	Nipple w/o-ring	1/8" MNPT broached, brass/chrome 1"		<b>MNP-439W</b>
	Retaining Ring	Ring for all DISS-1240 nut & nipple combos		<b>XMR-009</b>

OXYGEN (CONT)		DISS-1240-A	200 PSIG
Fitting Type	Dimension/Material	Marked	Part Number
	Nipple	1/8" MNPT broached, brass/chrome 1 1/2"	<b>MNP-440</b>
	Nipple w/o-ring	1/8" MNPT broached, brass/chrome 1 1/2"	<b>MNP-440W</b>
	Replacement o-ring	EPDM	<b>MR-124</b>
	Body Adaptor	1/8" MNPT, brass/chrome	"O2" <b>MA-740</b>
	Body Adaptor	1/4" MNPT, brass/chrome	<b>MA-742</b>
	Body Adaptor	3/16" I.D. barb, brass/chrome	<b>MA-743</b>
	Body Adaptor	1/4" I.D. barb, brass/chrome	<b>MA-744</b>
	Body Adaptor	1/8" FNPT w/wrench flat, brass/chrome	<b>MA-746</b>
	Body Adaptor	1/4" FNPT w/wrench flat, brass/chrome	<b>MA-748</b>
	Hose Coupler	DISS-1240 male x DISS-1240 male	<b>MC-124</b>
	Cap & Chain	DISS-1240 female gas-tight cap	<b>MPC-124</b>

WAGD/EVACUATION		DISS-2220-A	200 PSIG
Fitting Type	Dimension/Material	Marked	Part Number
	Nut-Female	1" hex, brass/chrome	"EVAC" <b>MN-222</b>
	Nut Hand Tight	Brass chrome plated, purple plastic	"EVAC" <b>MHN-222P</b>
	Nipple	1/4" I.D. barb, brass/chrome	<b>MNP-457</b>
	Nipple w/ O-ring	1/4" I.D. barb, brass/chrome	<b>MNP-457W</b>
	Nipple	5/16" I.D. barb, brass/chrome	<b>MNP-458</b>
	Nipple w/ O-ring	5/16" I.D. barb, brass/chrome	<b>MNP-458W</b>
	Nipple	1/4" MNPT w/wrench flat, brass/chrome	<b>MNP-461</b>
	Nipple w/ O-ring	1/4" MNPT w/wrench flat, brass/chrome	<b>MNP-461W</b>
	Replacement O-ring	EPDM	<b>MR-222</b>
	Retaining Ring	Retaining ring for WAGD nut & nipple combo	<b>XMR-007</b>
	Body Adaptor	1/4" MNPT, brass/chrome	"EVAC" <b>MA-752</b>
	Cap & Chain	DISS-222 female gas-tight cap	<b>MPC-124</b>

Instrument Air		DISS-2080	200 PSIG
Fitting Type	Dimension/Material	Marked	Part Number
	Nut-Female	1" hex, brass/chrome	<b>MN-208</b>
	Nipple	1/4" I.D. barb, brass/chrome	<b>MNP-480</b>
	Nipple w/ O-ring	1/4" I.D. barb, brass/chrome	<b>MNP-480W</b>
	Nipple	1/8" MNPT w/ wrench flat, brass/chrome	<b>MNP-481</b>
	Nipple w/ O-Ring	1/8" MNPT w/ wrench flat, brass/chrome	<b>MNP-481W</b>
	Nipple	1/4" MNPT w/ wrench flat, brass/chrome	<b>MNP-482</b>
	Nipple w/ O-Ring	1/4" MNPT w/ wrench flat, brass/chrome	<b>MNP-482W</b>
	Body Adaptor	1/8" MNPT, brass/chrome	"I-AIR" <b>MA-780</b>
	Body Adaptor	1/4" MNPT, brass/chrome	"I-AIR" <b>MA-782</b>

## Application

These relief valves are designed for use with medical cryogenic oxygen units. For use in Puritan Bennett, Penox, CA, Caire, MVE, Linde, Invacare, Perry, Mobilair, Cryo II, CMT, and Pulsair styles.

## Features

- Aluminum bodies available in anodized colors (see ordering options) • Repeatable performance
- All valves are cleaned and packaged for oxygen service per CGA G-4.1 • 100% factory tested

## MEDICAL RELIEF VALVES ORDERING SPECIFICATIONS:



Type "RM"  
Male Pipe Thread - Popoff



Type "RE"  
Male Pipe, Extended Body - Popoff

\*RE series is not available in Stainless Steel

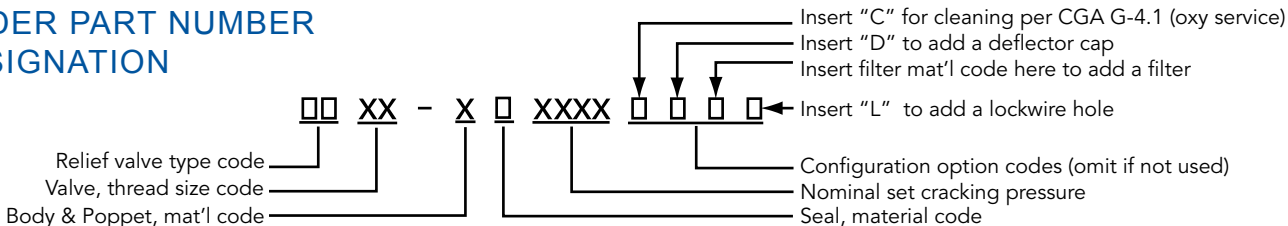


Type "RS"  
Male St. Thd. O-Ring Boss Popoff



Type "RL"  
Male St. Thd. O-Ring Boss, Ext Body Popoff

## ORDER PART NUMBER DESIGNATION



### THREAD SIZE CODE

VALVE SIZE, THREADS	SIZE CODE
1/8 - 27 NPT	02
1/4 - 18 NPT	04
3/8 - 18 NPT	06
1/2 - 14 NPT	08
3/4 - 14 NPT	12
1 - 11.5 NPT	16
1 1/4 - 11.5 NPT	20
Straight Thread (SAE)	
.3750-24 UNF-2A	03
.4375-20 UNF-2A	04
.5625-18 UNF-2A	06
.7500-16 UNF-2A	08
.8750-14 UNF-2A	10
1.0625-12 UNF-2A	12
1.3125-12 UNF-2A	16

### BODY & POPPET MATERIAL & COLOR OPTIONS

BODY & POPPET MATERIALS	MAT'L CODE
Brass, Plain	1
Brass, Nickel Plate	2
Alum., Anodize - Clear	3
Alum., Anodize - Blue	7
Alum., Anodize - Green	8
Alum., Anodize - Black	9
Alum., Anodize - Red	A
Stainless, 316*	5

\*RE series is not available in Stainless Steel

### SEAL MATERIAL OPTIONS

SEAL MATERIAL	MAT'L CODE
Buna N	B
Neoprene	N
Silicone	S
FKM	V
EPR	E
PTFE	T

### FILTER OPTIONS

FILTER MATERIAL	MAT'L CODE
Polyethylene	F
Bronze, Sintered	Y

### OTHER OPTIONS

D= Deflector Cap\*  
 \*Not on 1/8

### CRACKING PRESSURES

Insert needed pressure from .5 to 150 PSIG. Use fourth X as half PSIG if needed.

Example Part Number: RM04-3N030CDY  
 Male Pipe, 1/8, Alum., 30 PSI, Defl. Cap, Bronze Filter

For dimensional, flow, cracking & reset performance data visit our web page [macrotechnologies.com](http://macrotechnologies.com) or [superiorprod.com](http://superiorprod.com)



**BRASS PLUG & CHAIN ASSEMBLIES**

**Two-Piece Assemblies**

These two-piece nut and blind nipple assemblies are made to CGA standards and make a gas tight seal.



CGA No.	Gases	Connection	Gas Seal (PSI)	Part No.
326	Nitrous Oxide	.830"-14NGO-RH-INT	3000	<b>PC-4326</b>
347	Air	.830"-14NGO-RH-INT	5500	<b>PC-4347</b>
580	Argon/Helium/Nitrogen	.960"-14NGO-RH-EXT	3000	<b>PC-4580</b>

**One-Piece Assemblies**

These shorter one-piece plug and chains can be used where space is limited, to seal off cylinder valves and still be able to install the cylinder valve cap. The part makes a gas tight seal. Nipples have replaceable soft tips or o-rings.



PC-580  
Argon, Helium, Nitrogen

















PC-540  
Oxygen

CGA No.	Gases	Connection	Gas Seal(PSI)	Part No.
320	Carbon Dioxide	.830"-14NGO-RH-INT	500	<b>PC-320</b>
326	Nitrous Oxide	.830"-14NGO-RH-INT	3000	<b>PC-326</b>
346	Air	.830"-14NGO-RH-INT	3000	<b>PC-346</b>
540	Oxygen	.908"-14NGO-LH-INT	3000	<b>PC-540</b>
580	Argon/Helium/Nitrogen	.960"-14NGO-RH-EXT	3000	<b>PC-580</b>





Capacity	M6 (B) 164L	M6A (ML6) 171L	C (M9) 248L	D 415L	E 648L	M60 1723L	M 3453L
<b>Cylinders per pallet</b>	<b>144</b>	<b>81</b>	<b>81</b>	<b>81</b>	<b>81</b>	<b>42</b>	<b>25</b>
<b>Weight lbs.</b>	<b>2.2</b>	<b>2.8</b>	<b>3.7</b>	<b>4.9</b>	<b>7.3</b>	<b>22.5</b>	<b>40.0</b>
<b>Standard Post Valve</b>	MCYL-1013	MCYL-1017	MCYL-1021	MCYL-1025	MCYL-1029		
<b>Standard Post Valve - Pallet</b>	MCYL-1013-P	MCYL-1017-P	MCYL-1021-P	MCYL-1025-P	MCYL-1029-P		
<b>Toggle Valve</b>	MCYL-1014	MCYL-1018	MCYL-1022	MCYL-1026	MCYL-1030		
<b>Toggle Valve - Pallet</b>	MCYL-1014-P	MCYL-1018-P	MCYL-1022-P	MCYL-1026-P	MCYL-1030-P		
<b>CGA-540 valve &amp; carrying handle</b>						MCYL-1040	MCYL-1050
<b>CGA-540 valve &amp; carrying handle - Pallet</b>						MCYL-1040-P	MCYL-1050-P

**NPT PIPE FITTINGS**

<b>90° Elbow</b>			<b>1000 PSIG</b>	<b>Part No.</b>	<b>Female Adaptor</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" x 1/8" NPT Female		<b>MPF-201</b>			1/8" x 1/8" NPT Female			<b>MPF-321</b>	
1/4" x 1/4" NPT Female		<b>MPF-202</b>			1/4" x 1/8" NPT Female			<b>MPF-322</b>	
			1/4" x 1/4" NPT Female	<b>MPF-323</b>					
<b>90° Street Elbow</b>			<b>1000 PSIG</b>	<b>Part No.</b>	<b>Adaptor</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" Female x 1/8" NPT Male		<b>MPF-211</b>			1/8" Female x 1/8" NPT Male			<b>MPF-411</b>	
1/4" Female x 1/8" NPT Male		<b>MPF-212</b>			1/4" Female x 1/4" NPT Male			<b>MPF-412</b>	
1/4" Female x 1/4" NPT Male		<b>MPF-213</b>			1/4" Female x 1/8" NPT Male			<b>MPF-413</b>	
<b>45° Elbow</b>			<b>1000 PSIG</b>	<b>Part No.</b>	<b>Reducer Bushing</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" Female x 1/8" NPT Male		<b>MPF-221</b>			1/8" Female x 1/4" NPT Male			<b>MPF-421</b>	
1/4" Female x 1/4" NPT Male		<b>MPF-222</b>			1/4" Female x 3/8" NPT Male			<b>MPF-423</b>	
<b>Tees</b>			<b>1000 PSIG</b>	<b>Part No.</b>	<b>Pipe Nipple</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" x 1/8" NPT Female		<b>MPF-231</b>			1/8" NPT Male x 1-1/2" long			<b>MPF-101</b>	
1/4" x 1/4" NPT Female		<b>MPF-232</b>			1/8" NPT Male x 2-1/2" long			<b>MPF-102</b>	
			1/4" NPT Male x 1-1/2" long	<b>MPF-103</b>					
			1/4" NPT Male x 2-1/2" long	<b>MPF-104</b>					
<b>Street Tee</b>			<b>1000 PSIG</b>	<b>Part No.</b>	<b>Pipe Extender</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" Females x 1/8" NPT Male		<b>MPF-241</b>			1/8" Female x 1/8" NPT Male x 2-1/2" long			<b>MPF-511</b>	
1/4" Females x 1/4" NPT Male		<b>MPF-242</b>			1/4" Female x 1/4" NPT Male x 3" long			<b>MPF-512</b>	
<b>Cross</b>			<b>1000 PSIG</b>	<b>Part No.</b>	<b>Pipe Plug</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" x 1/8" NPT Female		<b>MPF-251</b>			1/8" NPT Male			<b>MPF-001</b>	
1/4" x 1/4" NPT Female		<b>MPF-252</b>			1/4" NPT Male			<b>MPF-002</b>	
<b>Hex Nipple</b>			<b>3000 PSIG</b>	<b>Part No.</b>	<b>Manifold Block</b>			<b>3000 PSIG</b>	<b>Part No.</b>
1/8" x 1/8" NPT Male		<b>MPF-311</b>			Six 1/4" NPT Female ports			<b>MMB-006</b>	
1/4" x 1/8" NPT Male		<b>MPF-312</b>							
1/4" x 1/4" NPT Male		<b>MPF-313</b>							

CGA TEE COUPLERS

3000 PSIG

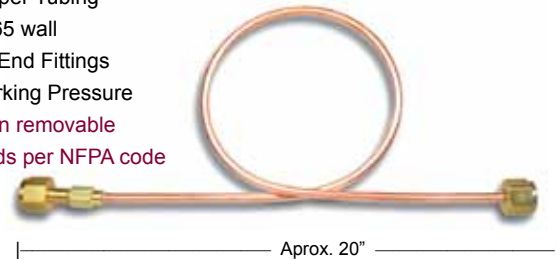
	Gas Service	Inlet	x	Outlets	Part Number
 MC-540	Carbon Dioxide Tee	CGA 320 Female	x	CGA 320 Male	<b>MC-320</b>
	Nitrous Oxide Tee	CGA 326 Female	x	CGA 326 Male	<b>MC-326</b>
	Medical Air Tee	CGA 346 Female	x	CGA 346 Male	<b>MC-346</b>
	Medical Mixture Tee	CGA 500 Male	x	CGA 500 Female	<b>MC-500</b>
	Oxygen Tee	CGA 540 Female	x	CGA 540 Male	<b>MC-540</b>
 MC-580	Nitrogen, Helium Tee	CGA 580 Male	x	CGA 580 Female	<b>MC-580</b>

NFPA Replacement Pigtails for Hospital Medgas Systems

- 304 Stainless Steel Braid
- PTFE Core
- 3,000 PSI Working Pressure
- 100% Leak Tested & Bagged
- Permanent non removable CGA fitting ends per NFPA code
- Stainless Steel Braid not for use with Oxygen



- Annealed Copper Tubing
- 5/16" OD x .065 wall
- Silver Brazed End Fittings
- 3,000 PSI Working Pressure
- Permanent non removable CGA fitting ends per NFPA code



Gas Service	Inlet/Outlet Threads	Hose Materials	Part No.
Carbon Dioxide	CGA 320 Female Nut	Stainless Steel/PTFE	<b>PTFP-320-24 or 36</b>
Nitrous Oxide	CGA 326 Female Nut	Stainless Steel/PTFE	<b>PTFP-326-24 or 36</b>
Medical Air	CGA 346 Female Nut	Stainless Steel/PTFE	<b>PTFP-346-24 or 36</b>
Medical Mixture	CGA 500 Male Nut	Stainless Steel/PTFE	<b>PTFP-500-24 or 36</b>
Nitrogen, Helium	CGA 580 Male Nut	Stainless Steel/PTFE	<b>PTFP-580-24 or 36</b>
Oxygen	CGA 540 Female Nut	Copper/Brass ends	<b>PT-4540*</b>
Nitrous Oxide	CGA 326 Female Nut	Copper/Brass ends	<b>PT-4326*</b>
Medical Air	CGA 346 Female Nut	Copper/Brass ends	<b>PT-4346*</b>
Nitrogen, Helium	CGA 580 Male Nut	Copper/Brass ends	<b>PT-4580*</b>

\*For Check Valves, add "CV" to end of part number

72" Gas Use Pigtails

for use with Dewar manifold systems  
**after** regasification  
 (not for use with cryogenic liquids)




- Black Urethane perforated cover
- 3/8" ID Nylon Core
- 2,250 PSI Working Pressure
- Permanent non removable CGA fitting ends per NFPA code

Gas Service	Inlet/Outlet Threads	Hose Material	Part No.
Carbon Dioxide	CGA 320 Female Nut	3/8" I.D. Nylon Tube	<b>PFSL-320-72</b>
Nitrous Oxide	CGA 326 Female Nut	3/8" I.D. Nylon Tube	<b>PFSL-326-72</b>
Medical Air	CGA 346 Female Nut	3/8" I.D. Nylon Tube	<b>PFSL-346-72</b>
Medical Mixture	CGA 500 Male Nut	3/8" I.D. Nylon Tube	<b>PFSL-500-72</b>
Oxygen	CGA 540 Female Nut	3/8" I.D. Nylon Tube	<b>PFSL-540-72</b>
Nitrogen, Helium	CGA 580 Male Nut	3/8" I.D. Nylon Tube	<b>PFSL-580-72</b>





The pigtails on this page are specially designed to meet the requirements of NFPA for Hospital medgas manifold systems. The major feature being NFPA's requirement for permanent affixed ends to avoid cross connection through modification or switching of the nut and nipple to hook up a different gas than a system was designed for. The other requirement is a mandatory copper pigtail for use in high pressure oxygen service. Some states also require that because Nitrous Oxide is an oxidizer, copper is also required.

**TRIPLE OUTLET RAIL BLOCK**

**200 PSIG**








Fitting Type	Dimensions		Part Number
Bracket	Aluminum wall mounting bracket		<b>MTO-001</b>
NPT Block	1/8" FNPT inlet x 1/4" FNPT outlets		<b>MTO-004</b>
DISS-1040 Block	DISS-1040 female swivel inlet x DISS -1040 male outlets		<b>MTO-104</b>
DISS-1160 Block	DISS-1160 female swivel inlet x DISS -1160 male outlets		<b>MTO-116</b>
DISS-1220 Block	DISS-1220 female swivel inlet x DISS -1220 male outlets		<b>MTO-122</b>
DISS-1240 Block	DISS-1240 female swivel inlet x DISS -1240 male outlets		<b>MTO-124</b>
DISS-1240 Block	DISS-1240 female hand tight inlet x DISS -1240 male DV out		<b>MTO-124DV</b>

**Y CONNECTORS**







Fitting Type	Inlet	x	Outlet	Part Number
				
				
				
				
NPT Y Connector	1/8" FNPT inlet x 1/4" FNPT outlets			<b>MY-184</b>
NPT Y Connector	1/4" MNPT inlet x 1/4" FNPT outlets			<b>MY-224</b>
DISS-1240 Y Adaptor	DISS-1240 female nut inlet x DISS -1240 male outlets w/o valves			<b>MY-050</b>
DISS-1240 Y Adaptor	DISS-1240 female nut inlet x 1/4" NPT female outlets w/o valves			<b>MY-080</b>
DISS-1240 Y Adaptor	DISS-1240 female nut inlet x DISS -1240 male outlets w/valves			<b>MYV-050</b>

**BALL SEAT SHUT OFF VALVES WITH STAINLESS STEEL STEM**




**200 PSIG**

Valve Type	Inlet	x	Outlet	Handle	Part #
	Oxygen	DISS-1240 male inlet x DISS-1240 male outlet		brass	<b>MV-050</b>
	Oxygen	DISS-1240 male inlet x DISS-1240 male outlet		plastic	<b>MV-050P</b>
	Oxygen	DISS-1240 female swivel inlet x DISS-1240 male outlet		brass	<b>MV-052</b>
	Oxygen	DISS-1240 female swivel inlet x DISS-1240 male outlet		plastic	<b>MV-052P</b>
	Oxygen	DISS-1240 male inlet x 1/4" NPT male outlet		brass	<b>MV-076</b>
	Oxygen	DISS-1240 male inlet x 1/4" NPT male outlet		plastic	<b>MV-076P</b>
	Oxygen	1/4" NPT male inlet x DISS-1240 male outlet		brass	<b>MV-088</b>
	Oxygen	1/4" NPT male inlet x DISS-1240 male outlet		plastic	<b>MV-088P</b>
<b>3000 PSI</b>					
	All Gases	1/8" NPT male inlet x 1/8" NPT male outlet		brass	<b>MV-301</b>
	All Gases	1/8" NPT male inlet x 1/8" NPT male outlet		plastic	<b>MV-301P</b>
	All Gases	1/4" NPT male inlet x 1/4" NPT male outlet		brass	<b>MV-333</b>
	All Gases	1/4" NPT male inlet x 1/4" NPT male outlet		plastic	<b>MV-333P</b>
	All Gases	1/4" NPT female inlet x 1/4" NPT male outlet		brass	<b>MV-334</b>
	All Gases	1/4" NPT female inlet x 1/4" NPT male outlet		plastic	<b>MV-334P</b>
	All Gases	1/4" NPT male inlet x 1/4" NPT female outlet		brass	<b>MV-335</b>
	All Gases	1/4" NPT male inlet x 1/4" NPT female outlet		plastic	<b>MV-335P</b>

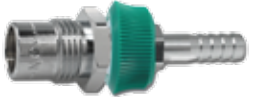
## DISS ADAPTORS

Fitting Type	Inlet	x	Outlet	Part Number
   	Straight Adaptor	DISS-1240 female nut	x 1/8" NPT male 1 <sup>1/2</sup> long	<b>MA-182</b>
	Straight Adaptor	DISS-1240 female nut	x 1/4" NPT male 2 <sup>1/2</sup> " long	<b>MA-188</b>
	Straight Adaptor	DISS-1240 female nut	x 1/4" NPT male 1 <sup>1/2</sup> " long	<b>MA-192</b>
	Straight Adaptor	DISS-1240 female nut	x 1/4" I.D. hose barb	<b>MA-254</b>
	Hose Coupler	DISS-1240 male	x DISS-1240 male	<b>MC-124</b>
 	90° Adaptor	DISS-1240 female nut	x 1/4" NPT male	<b>MA-194</b>
	90° Adaptor	DISS-1240 female nut	x DISS-1240 male	<b>MA-322</b>
	90° Adaptor	DISS-1240 female nut	x DISS-1240 male 1 <sup>3/4</sup> " long	<b>MA-328</b>
	90° Adaptor	DISS-1240 male	x 1/4" NPT male	<b>MA-334</b>

## DEMAND FLOW VALVES


Fitting Type	Inlet	x	Outlet	Part Number
  	Nitrous Oxide Demand Valve	DISS-1040 male	x 1/8" NPT male	<b>MA-620DV</b>
	Nitrous Oxide Demand Valve	DISS-1040 male	x 1/4" NPT male	<b>MA-622DV</b>
	Nitrogen Demand Valve	DISS-1120 male	x 1/4" NPT male	<b>MA-662DV</b>
	Air Demand Valve	DISS-1160 male	x 1/8" NPT male	<b>MA-680DV</b>
	Air Demand Valve	DISS-1160 male	x 1/4" NPT male	<b>MA-682DV</b>
	Vacuum Demand Valve	DISS-1220 male	x 1/4" NPT male	<b>MA-712DV</b>
	Oxygen Demand Valve	DISS-1240 male	x 1/8" NPT male	<b>MA-740DV</b>
	Oxygen Demand Valve	DISS-1240 male	x 1/4" NPT male	<b>MA-742DV</b>
	WAGD Demand Valve	DISS-2220 male	x 1/4" NPT male	<b>MA-752DV</b>
	Demand Valve Extension	1/4" NPT male	x 1/8" NPT female	<b>MD-002</b>

## DEMAND FLOW VALVES WITH HAND TIGHT GRIP

Fitting Type	Inlet	x	Outlet	Part Number
	Nitrous Oxide	DISS-1040 male	x 1/4" ID Hose Barb	<b>MA-622 DVHT</b>
	Nitrogen	DISS-1120 male	x 1/4" ID Hose Barb	<b>MA-662 DVHT</b>
	Air	DISS-1160 male	x 1/4" ID Hose Barb	<b>MA-682 DVHT</b>
	Vacuum	DISS-1220 male	x 1/4" ID Hose Barb	<b>MA-712 DVHT</b>
	Vacuum	DISS-1220 male	x 5/16" ID Hose Barb	<b>MA-715 DVHT</b>
	Oxygen	DISS-1240 male	x 1/4" ID Hose Barb	<b>MA-742 DVHT</b>
	WAGD	DISS-2220 male	x 1/4" ID Hose Barb	<b>MA-752 DVHT</b>
	WAGD	DISS-2220 male	x 5/16" ID Hose Barb	<b>MA-755 DVHT</b>


**Body Adaptors with One-Way Check Valve**

**200 PSIG**

	Service	Thread Size	Part Number
	Nitrous Oxide, DISS 1140-A	1/8" NPT Male, 3/4"-16 Thread	<b>MA-620CV</b>
Nitrous Oxide, DISS 1040-A	1/4" NPT Male, 3/4"-16 Thread	<b>MA-622CV</b>	
Nitrogen, DISS 1120-A	1/4" NPT Male, 3/4"-16 Thread	<b>MA-662CV</b>	
Medical Air, DISS 1160-A	1/8" NPT Male, 3/4"-16 Thread	<b>MA-680CV</b>	
Medical Air, DISS 1160-A	1/4" NPT Male, 3/4"-16 Thread	<b>MA-682CV</b>	
Oxygen, DISS 1240	1/8" NPT Male, 9/16"-18 Thread	<b>MA-740CV</b>	
Oxygen, DISS 1240	1/4" NPT Male, 9/16"-18 Thread	<b>MA-742CV</b>	


**Low Pressure NPT Adaptors with One-Way Check Valve**

**200 PSIG**

	Description	Part Number
	Flows from 1/4" NPT Female to 1/4" NPT Male	<b>MB-219CV</b>
Flows from 1/4" NPT Male to 1/4" NPT Female	<b>MB-220CV</b>	


**Low Pressure NPT Hex Nipple with One-Way Check Valve**

**200 PSIG**

	Description	Part Number
	1/4" NPT Male x 1/4" NPT Male	<b>MB-215CV</b>

**High Pressure Inline Check Valves**

**3000 PSIG**

	Inlet	Flow	Outlet	Part Number
	1/4" MNPT	—>	1/4" MNPT	<b>MCV-215</b>
1/4" MNPT	—>	1/4" FNPT	<b>MCV-219</b>	
1/4" FNPT	—>	1/4" FNPT	<b>MCV-229</b>	
1/4" FNPT	—>	1/4" MNPT	<b>MCV-230</b>	

**ACCESSORIES**

**PTFE Thread Tape (Oxygen Compatible)**

MIL SPEC T-27730A



1/4" wide x 520" long	<b>TT-001</b>
1/2" wide x 520" long	<b>TT-003</b>
1/2" wide x 520" long (green color)	<b>TTG-003</b>

**Leak Test Solution**

OXYGEN SAFE



8 oz. Refillable plastic bottle	<b>LD-008</b>
1 gallon jug	<b>LD-128</b>



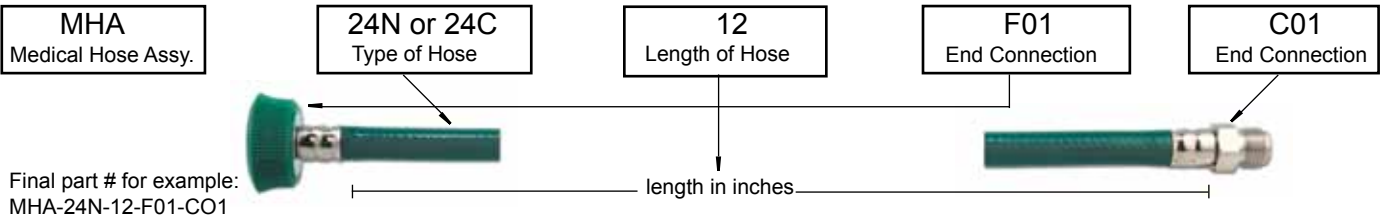
OXYGEN			CO2/OXYGEN MIXTURE CO2 OVER 7%		
CGA 870	Inlet	Part Number	CGA 940	Inlet	Part Number
Yoke w/HT grip x CGA 540 male		<b>MFY-870-1H</b>	Yoke w/HT grip x 1/4" NPT male		<b>MFY-940-4H</b>
Yoke w/T-handle x CGA 540 male		<b>MFY-870-1</b>	Yoke w/T-handle x 1/4" NPT male		<b>MFY-940-4</b>
Yoke w/HT grip x 1/4" NPT male		<b>MFY-870-4H</b>	Yoke w/HT grip x 1/2" NPT male		<b>MFY-940-8H</b>
Yoke w/T-handle x 1/4" NPT male		<b>MFY-870-4</b>	Yoke w/T-handle x 1/2" NPT male		<b>MFY-940-8</b>
Yoke w/HT grip x 1/2" NPT male		<b>MFY-870-8H</b>			
Yoke w/T-handle x 1/2" NPT male		<b>MFY-870-8</b>			
CO2/OXYGEN MIXTURE CO2 NOT OVER 7%			MEDICAL AIR		
CGA 880	Inlet	Part Number	CGA 950	Inlet	Part Number
Yoke w/HT grip x 1/4" NPT male		<b>MFY-880-4H</b>	Yoke w/HT grip x 1/4" NPT male		<b>MFY-950-4H</b>
Yoke w/T-handle x 1/4" NPT male		<b>MFY-880-4</b>	Yoke w/T-handle x 1/4" NPT male		<b>MFY-950-4</b>
Yoke w/HT grip x 1/2" NPT male		<b>MFY-880-8H</b>	Yoke w/HT grip x 1/2" NPT male		<b>MFY-950-8H</b>
Yoke w/T-handle x 1/2" NPT male		<b>MFY-880-8</b>	Yoke w/T-handle x 1/2" NPT male		<b>MFY-950-8</b>
HELIUM/OXYGEN MIXTURE HELIUM NOT OVER 80%			NITROGEN		
CGA 890	Inlet	Part Number	CGA 960	Inlet	Part Number
Yoke w/HT grip x 1/4" NPT male		<b>MFY-890-4H</b>	Yoke w/HT grip x 1/4" NPT male		<b>MFY-960-4H</b>
Yoke w/T-handle x 1/4" NPT male		<b>MFY-890-4</b>	Yoke w/T-handle x 1/4" NPT male		<b>MFY-960-4</b>
Yoke w/HT grip x 1/2" NPT male		<b>MFY-890-8H</b>	Yoke w/T-handle x 1/2" NPT male		<b>MFY-960-8</b>
Yoke w/T-handle x 1/2" NPT male		<b>MFY-890-8</b>	Yoke w/HT grip x 1/2" NPT male		<b>MFY-960-8H</b>
NITROUS OXIDE			MEDICAL GAS MIXTURES		
CGA 910	Inlet	Part Number	CGA 973	Inlet	Part Number
Yoke w/HT grip x 1/4" NPT male		<b>MFY-910-4H</b>	Yoke w/HT grip x 1/4" NPT male		<b>MFY-973-4H</b>
Yoke w/T-handle x 1/4" NPT male		<b>MFY-910-4</b>	Yoke w/T-handle x 1/4" NPT male		<b>MFY-973-4</b>
Yoke w/HT grip x 1/2" NPT male		<b>MFY-910-8H</b>	Yoke w/T-handle x 1/2" NPT male		<b>MFY-973-8</b>
Yoke w/T-handle x 1/2" NPT male		<b>MFY-910-8</b>	Yoke w/HT grip x 1/2" NPT male		<b>MFY-973-8H</b>
HELIUM/OXYGEN MIXTURE HELIUM OVER 80%					
CGA 930	Inlet	Part Number			
Yoke w/HT grip x 1/4" NPT male		<b>MFY-930-4H</b>			
Yoke w/T-handle x 1/4" NPT male		<b>MFY-930-4</b>			
Yoke w/HT grip x 1/2" NPT male		<b>MFY-930-8H</b>			
Yoke w/T-handle x 1/2" NPT male		<b>MFY-930-8</b>			

Replacement Parts for all Yokes	
T-handle	<b>MYP-001</b>
Hand tight handle	<b>MYP-002</b>
Inlet bushing 1/4" NPT male	<b>MYP-004</b>
Inlet bushing 1/2" NPT male	<b>MYP-008</b>
Tefzel washer	<b>MYP-010</b>
Nylon washer	<b>MYP-011</b>
FKM washer	<b>MYP-012</b>
Sintered inlet filter	<b>MYP-015</b>
Stainless steel pin	<b>MYP-020</b>
Inlet bushing CGA 540 male w/filter*	<b>MYP-540</b>

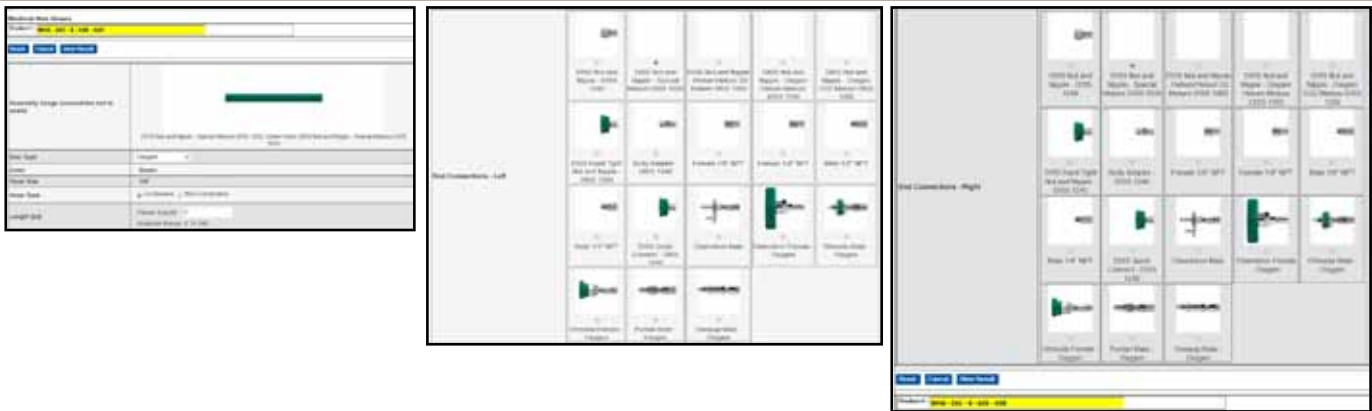
\* For CGA 870 yoke only

## How to order

Superior Medical hose assemblies are made to order, tested and individually bagged. Each configured part number consists of five elements: (see below) The 1st place holder specifies the type of item, MHA or medical hose assembly. The 2nd place holder specifies the type of hose: gas service & conductive C or non-conductive N. The 3rd place holder specifies the length of hose in inches. The 4th & 5th section designate the connections required at each end.



## superiorprod.com Online Custom Hose Configurator



Configure your custom Medical Gas Hoses online by selecting: Gas Type, Hose Type, Length, End Connections  
**Minimum Length = 8"** **Maximum Length = 3,600" (Non-Conductive) / 240" (Conductive)**

TYPES OF HOSE	Non-Conductive	Conductive	Non-Conductive	Conductive
Nitrous Oxide 1/4" (Blue)	04N	04C	WAGD 5/16" (Purple)	50N / N/A
CO <sub>2</sub> 1/4" (Gray)	N/A	08C	Suction/Vacuum 1/4" (White)	22N / 22C
Nitrogen 1/4" (Black)	12N	12C	Suction/Vacuum 5/16" (White)	N/A / 52C
Medical Air 1/4" (Yellow)	16N	16C	Oxygen 1/4" (Green)	24N / 24C

## END CONNECTIONS

### A DISS Nut & Nipple

Oxygen DISS 1240	01
Vacuum DISS 1220 1/4"	02
Vacuum DISS 1220 5/16" FNPT	52
Medical Air DISS 1160	03
Nitrogen DISS 1120	04
Nitrous Oxide DISS 1040	05
Special Mixtures DISS 1020	06
Helium/Helium O <sub>2</sub> Mixture DISS 1060	07
CO <sub>2</sub> /CO <sub>2</sub> O <sub>2</sub> Mixture DISS 1080	08
Oxygen Helium Mixture DISS 1180	09
Oxygen CO <sub>2</sub> Mixture DISS 1200	10
WAGD/EVAC DISS 2220	51

### B DISS Hand Tight Nut & Nipple

Oxygen DISS 1240	01
Vacuum DISS 1220 1/4"	02
Vacuum DISS 1220 5/16"	52
Medical Air DISS 1160	03
Nitrogen DISS 1120	04
Nitrous Oxide DISS 1040	05
WAGD/EVAC DISS 2220	51

### C Body Adaptor

Oxygen DISS 1240	01
Vacuum DISS 1220 1/4"	02
Vacuum DISS 1220 5/16"	52
Medical Air DISS 1160	03
Nitrogen DISS 1120	04
Nitrous Oxide DISS 1040	05
CO <sub>2</sub> /CO <sub>2</sub> O <sub>2</sub> Mixture DISS 1080	08
WAGD/EVAC DISS 2220	51

### D Female NPT

1/8" NPT	01
1/4" NPT	02

### E Male NPT

1/8" NPT	01
1/4" NPT	02
1/4"-5/16" Hose	04



END CONNECTIONS (CONT.)

**F DISS Quick Connect (Quicknut)**



Oxygen DISS 1240	01
Vacuum DISS 1220 1/4"	02
Vacuum DISS 1220 5/16"	52
Medical Air DISS 1160	03
Nitrogen DISS 1120	04
Nitrous Oxide DISS 1040	05
WAGD/EVAC DISS 2220	51

**G Chemetron Male**



Oxygen	01
Vacuum 1/4"	02
Vacuum 5/16"	52
Medical Air	03
Nitrous Oxide	05
CO2	08
WAGD/EVAC	51

**H Chemetron Female**



Oxygen	01
Vacuum 1/4"	02
Vacuum 5/16"	52
Medical Air	03
Nitrous Oxide	05
CO2	08
WAGD/EVAC	51

**I Ohmeda Male**



Oxygen	01
Vacuum 1/4"	02
Vacuum 5/16"	52
Medical Air	03
Nitrous Oxide	05
CO2	08
WAGD/EVAC	51

**J Ohmeda Female**



Oxygen	01
Vacuum 1/4"	02
Vacuum 5/16"	52
Medical Air	03
Nitrous Oxide	05
CO2	08
WAGD/EVAC	51

**K Puritan Male**



Oxygen	01
Vacuum 1/4"	02
Vacuum 5/16"	52
Medical Air	03
Nitrous Oxide	05
CO2	08
WAGD/EVAC	51

**L Oxequip Male**



Oxygen	01
Vacuum 1/4"	02
Vacuum 5/16"	52
Medical Air	03
Nitrous Oxide	05

BULK HOSE



- FDA Medical Grade PVC
- 250 PSIG Working Pressure at 70°F
- 1000 PSIG Burst Pressure 70°F
- Two Layer Construction w/Polyester Braid
- CGA C-9 Color Coded
- 250 Foot Reels - Conductive
- 300 Foot Reels - Non-Conductive
- 3" Bend Radius
- Working temperature range -25°F to 150°F



**Non-Conductive**

Gas Service/I.D./Color	Part Number
General 1/4" (Clear)	MH-100-04N
Nitrous Oxide 1/4" (Blue)	MH-104-04N
Nitrogen 1/4" (Black)	MH-112-04N
Medical Air 1/4" (Yellow)	MH-116-04N
WAGD 5/16" (Purple)	MH-222-05N
Vacuum/Suction 1/4" (White)	MH-122-04N
Oxygen 1/4" (Green)	MH-124-04N


**Conductive (effective to 20')**

Gas Service/I.D./Color	Part Number
General 1/4" (Clear)	N/A
Nitrous Oxide 1/4" (Blue)	MH-104-04C
CO <sub>2</sub> 1/4" (Gray)	MH-108-04C
Nitrogen 1/4" (Black)	MH-112-04C
Medical Air 1/4" (Yellow)	MH-116-04C
Vacuum/Suction 1/4" (White)	MH-122-04C
Suction/Vacuum 5/16" (White)	MH-122-05C
Oxygen 1/4" (Green)	MH-124-04C

Select inlet connection required from the left hand column










Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O	WAGD	CO <sub>2</sub>
 1/8" MNPT	<b>M-CM-OX-1</b>	<b>M-CM-AR-1</b>	<b>M-CM-SC-1</b>	<b>M-CM-NO-1</b>	<b>M-CM-EV-1</b>	<b>M-CM-CO-1</b>
 1/4" HOSE *5/16" HOSE	<b>M-CM-OX-2</b>	<b>M-CM-AR-2</b>	<b>M-CM-SC-2</b>	<b>M-CM-NO-2</b>	<b>*M-CM-EV-8</b>	<b>M-CM-CO-2</b>
 DISS MALE	<b>M-CM-OX-3</b>	<b>M-CM-AR-3</b>	<b>M-CM-SC-3</b>	<b>M-CM-NO-3</b>	<b>M-CM-EV-3</b>	<b>M-CM-CO-3</b>
 1/4" MNPT	<b>M-CM-OX-4</b>	<b>M-CM-AR-4</b>	<b>M-CM-SC-4</b>	<b>M-CM-NO-4</b>	<b>M-CM-EV-4</b>	<b>M-CM-CO-4</b>
 1/8" FNPT	<b>M-CM-OX-5</b>	<b>M-CM-AR-5</b>	<b>M-CM-SC-5</b>	<b>M-CM-NO-5</b>	<b>M-CM-EV-5</b>	<b>M-CM-CO-5</b>
 DISS HANDTIGHT	<b>M-CM-OX-6</b>	<b>M-CM-AR-6</b>	<b>M-CM-SC-6</b>	<b>M-CM-NO-6</b>	<b>M-CM-EV-6</b>	<b>N/A</b>
 DISS NUT & NIPPLE	<b>M-CM-OX-7</b>	<b>M-CM-AR-7</b>	<b>M-CM-SC-7</b>	<b>M-CM-NO-7</b>	<b>M-CM-EV-7</b>	<b>M-CM-CO-7</b>

Select inlet connection required from the left hand column










Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O	WAGD
 1/8" MNPT	F-CM-OX-1	F-CM-AR-1	F-CM-SC-1	F-CM-NO-1	F-CM-EV-1
 1/4" HOSE *5/16" HOSE	F-CM-OX-2	F-CM-AR-2	F-CM-SC-2	F-CM-NO-2	*F-CM-EV-8
 DISS MALE	F-CM-OX-3	F-CM-AR-3	F-CM-SC-3	F-CM-NO-3	F-CM-EV-3
 1/4" MNPT	F-CM-OX-4	F-CM-AR-4	F-CM-SC-4	F-CM-NO-4	F-CM-EV-4
 1/8" FNPT	F-CM-OX-5	F-CM-AR-5	F-CM-SC-5	F-CM-NO-5	F-CM-EV-5
 DISS HANDTIGHT	F-CM-OX-6	F-CM-AR-6	F-CM-SC-6	F-CM-NO-6	F-CM-EV-6
 DISS NUT & NIPPLE	F-CM-OX-7	F-CM-AR-7	F-CM-SC-7	F-CM-NO-7	F-CM-EV-7

Select inlet connection required from the left hand column










Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O	WAGD	CO <sub>2</sub>
 1/8" MNPT	M-OH-OX-1	M-OH-AR-1	M-OH-SC-1	M-OH-NO-1	M-OH-EV-1	M-OH-CO-1
 1/4" HOSE *5/16" HOSE	M-OH-OX-2	M-OH-AR-2	M-OH-SC-2	M-OH-NO-2	*M-OH-EV-8	M-OH-CO-2
 DISS MALE	M-OH-OX-3	M-OH-AR-3	M-OH-SC-3	M-OH-NO-3	M-OH-EV-3	M-OH-CO-3
 1/4" MNPT	M-OH-OX-4	M-OH-AR-4	M-OH-SC-4	M-OH-NO-4	M-OH-EV-4	M-OH-CO-4
 1/8" FNPT	M-OH-OX-5	M-OH-AR-5	M-OH-SC-5	M-OH-NO-5	M-OH-EV-5	M-OH-CO-5
 DISS HAND TIGHT	M-OH-OX-6	M-OH-AR-6	M-OH-SC-6	M-OH-NO-6	M-OH-EV-6	N/A
 DISS NUT & NIPPLE	M-OH-OX-7	M-OH-AR-7	M-OH-SC-7	M-OH-NO-7	M-OH-EV-7	M-OH-CO-7

Select inlet connection required from the left hand column



Select gas service requirements from top row








INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O	WAGD	CO <sub>2</sub>
 1/8" MNPT	F-OH-OX-1	F-OH-AR-1	F-OH-SC-1	F-OH-NO-1	F-OH-EV-1	F-OH-CO-1
 1/4" HOSE *5/16" HOSE	F-OH-OX-2	F-OH-AR-2	F-OH-SC-2	F-OH-NO-2	*F-OH-EV-8	F-OH-CO-2
 DISS MALE	F-OH-OX-3	F-OH-AR-3	F-OH-SC-3	F-OH-NO-3	F-OH-EV-3	F-OH-CO-3
 1/4" MNPT	F-OH-OX-4	F-OH-AR-4	F-OH-SC-4	F-OH-NO-4	F-OH-EV-4	F-OH-CO-4
 1/8" FNPT	F-OH-OX-5	F-OH-AR-5	F-OH-SC-5	F-OH-NO-5	F-OH-EV-5	F-OH-CO-5
 DISS HAND TIGHT	F-OH-OX-6	F-OH-AR-6	F-OH-SC-6	F-OH-NO-6	F-OH-EV-6	N/A
 DISS NUT & NIPPLE	F-OH-OX-7	F-OH-AR-7	F-OH-SC-7	F-OH-NO-7	F-OH-EV-7	F-OH-CO-7

# QUICK CONNECTS (PURITAN MALE)

Select inlet connection required from the left hand column










Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O	WAGD
 1/8" MNPT	M-PR-OX-1	M-PR-AR-1	M-PR-SC-1	M-PR-NO-1	M-PR-EV-1
 1/4" HOSE *5/16" HOSE	M-PR-OX-2	M-PR-AR-2	M-PR-SC-2	M-PR-NO-2	*M-PR-EV-8
 DISS MALE	M-PR-OX-3	M-PR-AR-3	M-PR-SC-3	M-PR-NO-3	M-PR-EV-3
 1/4" MNPT	M-PR-OX-4	M-PR-AR-4	M-PR-SC-4	M-PR-NO-4	M-PR-EV-4
 1/8" FNPT	M-PR-OX-5	M-PR-AR-5	M-PR-SC-5	M-PR-NO-5	M-PR-EV-5
 DISS HANDTIGHT	M-PR-OX-6	M-PR-AR-6	M-PR-SC-6	M-PR-NO-6	M-PR-EV-6
 DISS NUT & NIPPLE	M-PR-OX-7	M-PR-AR-7	M-PR-SC-7	M-PR-NO-7	M-PR-EV-7

Select inlet connection required from the left hand column

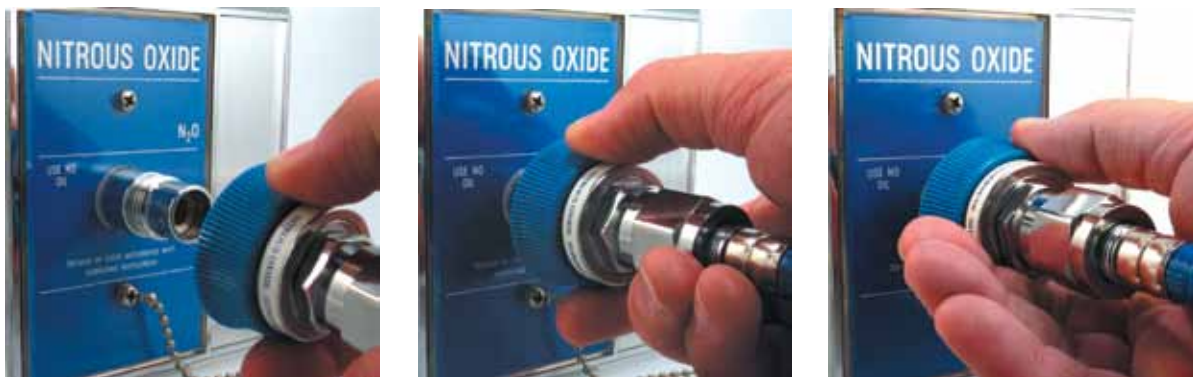


Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O
 1/8" MNPT	M-OX-OX-1	M-OX-AR-1	M-OX-SC-1	M-OX-NO-1
 1/4" HOSE	M-OX-OX-2	M-OX-AR-2	M-OX-SC-2	M-OX-NO-2
 DISS MALE	M-OX-OX-3	M-OX-AR-3	M-OX-SC-3	M-OX-NO-3
 1/4" MNPT	M-OX-OX-4	M-OX-AR-4	M-OX-SC-4	M-OX-NO-4
 1/8" FNPT	M-OX-OX-5	M-OX-AR-5	M-OX-SC-5	M-OX-NO-5
 DISS HANDTIGHT	M-OX-OX-6	M-OX-AR-6	M-OX-SC-6	M-OX-NO-6
 DISS NUT & NIPPLE	M-OX-OX-7	M-OX-AR-7	M-OX-SC-7	M-OX-NO-7

**THE INDUSTRY'S ONLY DISS QUICK CONNECT**

The patented Superior Medical Quicknut is the industry's only available DISS quick connect. The segmented thread sections allow the nut to be pushed on. Then a 1/4 turn locks & seals the connection. Quicknut can be used anywhere a standard DISS nut & nipple combination is used. Conversion kits are also available.







1) Push on threads

2) 1/4 turn seals it

Select inlet connection required from the left hand column



Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	N <sub>2</sub> O	WAGD	NITROGEN
 1/8" MNPT	MHN-124Z-2	MHN-116Z-2	MHN-122Z-2	MHN-104Z-2	N/A	MHN-112Z-2
 1/4" HOSE *5/16" HOSE	MHN-124Z-4B	MHN-116Z-4B	MHN-122Z-4B	MHN-104Z-4B	MHN-222Z-4B *MHN-222Z-5B	MHN-112Z-4B
 DISS MALE	MA-1240AZ	MA-1160AZ	MA-1220AZ	MA-1040AZ	MA-2220AZ	MA-1120AZ
 1/4" MNPT	N/A	MHN-116Z-4	MHN-122Z-4	MHN-104Z-4	MHN-222Z-4	MHN-112Z-4



Select inlet & outlet connection required from the left hand column

For configurations not shown here please contact Superior Products

Select gas service requirements from top row

INLET/OUTLET	OXYGEN	AIR	VACUUM	NITROUS OXIDE
 <p>DISS Nut &amp; Nipple</p>	MDO-A01-C01	MDO-A03-C03	MDO-A02-C02	MDO-A05-C05
 <p>DISS Hand tight</p>	MDO-B01-C01	MDO-B03-C03	MDO-B02-C02	MDO-B05-C05
 <p>DISS Quick Connect</p>	MDO-F01-C01	MDO-F03-C03	MDO-F02-C02	MDO-F05-C05
 <p>Chemetron</p>	MDO-G01-H01	MDO-G03-H03	MDO-G02-H02	MDO-G05-H05
 <p>Ohmeda</p>	MDO-I01-J01	MDO-I03-J03	MDO-I02-J02	MDO-I05-J05
 <p>NPT Block NPT Block</p>		1/8" FNPT inlet x 1/4" FNPT outlets 1/4" FNPT inlet x 1/4" FNPT outlets		MDO-002 MDO-004








Select inlet connection  
required from the left  
hand column

Select gas service requirements from top row

INLET	OXYGEN	AIR	VACUUM	NITROUS OXIDE
 1/8" FNPT	MDO-124-2	MDO-116-2	MDO-122-2	MDO-104-2
 1/4" FNPT	MDO-124-4	MDO-116-4	MDO-122-4	MDO-104-4
 DISS Nut & Nipple	MDO-124-5	MDO-116-5	MDO-122-5	MDO-104-5
 DISS Hand-tight	MDO-124-6	MDO-116-6	MDO-122-6	MDO-104-6
 DISS Quick Connect	MDO-124-7	MDO-116-7	MDO-122-7	MDO-104-7
 Chemetron Inlet	MDO-124-8	MDO-116-8	MDO-122-8	MDO-104-8
 Ohmeda Inlet	MDO-124-9	MDO-116-9	MDO-122-9	MDO-104-9
 Puritan Inlet	MDO-124-10	MDO-116-10	MDO-122-10	MDO-104-10

Select inlet connection required from the left hand column

Select gas service & liters per minute from top row

<b>INLET</b>	<b>OXYGEN 1/8 TO 3.5 LPM</b>	<b>OXYGEN 1/4 TO 8 LPM</b>	<b>OXYGEN 1/2 TO 15 LPM</b>	<b>AIR 1 TO 15 LPM</b>
 1/8" FNPT	MFM-124-1D1	MFM-124-2D1	MFM-124-3D1	MFM-116-3D1
 DISS Quick Connect	MFM-124-1F1	MFM-124-2F1	MFM-124-3F1	MFM-116-3F3
 DISS Nut & Nipple	MFM-124-1A1	MFM-124-2A1	MFM-124-3A1	MFM-116-3A3
 DISS HT Nut & Nipple	MFM-124-1B1	MFM-124-2B1	MFM-124-3B1	MFM-116-3B3
 Chemetron Male	MFM-124-1G1	MFM-124-2G1	MFM-124-3G1	MFM-116-3G3
 Ohmeda Male	MFM-124-1I1	MFM-124-2I1	MFM-124-3I1	MFM-116-3I3
 Puritan Male	MFM-124-1K1	MFM-124-2K1	MFM-124-3K1	MFM-116-3K3

**FEATURES**

- Brass chrome plated body
- Polycarbonate inner & outer tubes for durability
- Available with full line of inlets & quick connects
- Rated to 250 PSI
- Calibrated to 50 PSI
- Power take off model available, add PT to part #  
*Example: MFM-124-3I1-PT*



**Individual Power Take Off Assemblies**










Oxygen Power Take Off - PTA-001





Air Power Take Off - PTA-002

# REGULATOR INLET NUTS & NIPPLES





## VALVE OUTLET ADAPTORS





		MEDICAL BREATHING MIXTURES	CGA 280	3000 PSIG
		Fitting Type	Dimension/Material	Part Number
	Nut-Female	.750"-14NGO-RH-INT brass chrome plated		<b>MN-059</b>
	Nipple	1/4" NPT, 2.5" long		<b>MNP-118</b>
	Nipple, CV	1/4" NPT, 2.5" long with check valve		<b>MNP-118CV</b>
	Nipple, filtered	1/4" NPT, 2.5" long with filter		<b>MNP-118R</b>
	Plug & Chain	.750"-14NGO-RH-INT brass chrome plated		<b>MPC-280</b>



		CARBON DIOXIDE	CGA 320	3000 PSIG
		Fitting Type	Dimension/Material	Part Number
	Nut-Female	.830"-14NGO-RH-INT brass chrome plated		<b>MN-061</b>
	Nut, Hand tight	.830"-14NGO-RH-INT brass chrome plated		<b>MHN-061</b>
	Nut, Hand tight	.830"-14NGO-RH-INT brass, plastic grip		<b>MHN-061P</b>
	Nipple	1/4" NPT, 2" long		<b>MNP-147</b>
	Nipple, filtered	1/4" NPT, 2" long with filter		<b>MNP-147R</b>
	Nipple	1/4" NPT, 2.5" long		<b>MNP-150</b>
	Nipple, CV	1/4" NPT, 2.5" long with check valve		<b>MNP-150CV</b>
	Nipple	1/4" NPT, 2.5" long with HT washer		<b>MNP-150P</b>
	Washer	PTFE replacement washer		<b>W-10</b>
	Valve Outlet Adaptor	.825"-14NGO-RH-EXT x 1/4" NPT male		<b>MA-541</b>
	Plug & Chain	.830"-14NGO-RH-INT brass chrome plated		<b>MPC-320</b>

		NITROUS OXIDE	CGA 326	3000 PSIG
		Fitting Type	Dimension/Material	Part Number
	Nut-Female	.830"-14NGO-RH-INT brass chrome plated		<b>MN-082</b>
	Nut, Hand tight	.830"-14NGO-RH-INT brass chrome plated		<b>MHN-082</b>
	Nut, Hand tight	.830"-14NGO-RH-INT brass, plastic grip		<b>MHN-082P</b>
	Nipple	1/4" NPT, 2.5" long		<b>MNP-733</b>
	Nipple, CV	1/4" NPT, 2.5" long with check valve		<b>MNP-733CV</b>
	Nipple, filtered	1/4" NPT, 2.5" long with filter		<b>MNP-733R</b>
	Nipple, Hand tight	1/4" NPT, 2.5" long with soft tip		<b>MNP-733P</b>
	Washer	PTFE replacement washer		<b>T733-1</b>
	Valve Outlet Adaptor	.825"-14NGO-RH-EXT x 1/4" NPT male		<b>MA-631</b>
	Valve Outlet Adaptor	.825"-14NGO-RH-EXT x 1/4" NPT female		<b>MN-326A</b>
	Plug & Chain	.830"-14NGO-RH-INT brass chrome plated		<b>MPC-326</b>





**REGULATOR INLET NUTS & NIPPLES  
VALVE OUTLET ADAPTORS**





<b>MEDICAL AIR</b>		<b>CGA 346</b>	<b>3000 PSIG</b>
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Part Number</b>	
	Nut-Female	.830"-14NGO-RH-INT brass chrome plated	<b>MN-084</b>
	Nut, Hand tight	.830"-14NGO-RH-INT brass chrome plated	<b>MHN-084</b>
	Nut, Hand tight	.830"-14NGO-RH-INT brass, plastic grip	<b>MHN-084P</b>
	Nipple	1/4" NPT, 2.5" long	<b>MNP-753</b>
	Nipple, CV	1/4" NPT, 2.5" long with check valve	<b>MNP-753CV</b>
	Nipple, filtered	1/4" NPT, 2.5" long with filter	<b>MNP-753R</b>
	Nipple	1/4" NPT, 2.5" long with soft tip	<b>MNP-753P</b>
	Soft Tip replacement	PTFE replacement tip	<b>T753-1</b>
	Valve Outlet Adaptor	.825"-14NGO-RH-EXT x 1/4" NPT male	<b>MA-641</b>
	Valve Outlet Adaptor	.825"-14NGO-RH-EXT x 1/4" NPT female	<b>MN-346A</b>
	Plug & Chain	.830"-14NGO-RH-INT brass chrome plated	<b>MPC-346</b>

<b>MEDICAL MIXTURES</b>		<b>CGA 500</b>	<b>3000 PSIG</b>
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Part Number</b>	
	Nut-Male	.880"-14NGO-RH-EXT brass chrome plated	<b>MN-067</b>
	Nut, Hand tight	.880"-14NGO-RH-EXT brass, plastic grip	<b>MHN-067P</b>
	Nipple	1/4" NPT, 2.5" long	<b>MNP-188</b>
	Nipple, CV	1/4" NPT, 2.5" long with check valve	<b>MNP-188CV</b>
	Nipple, filtered	1/4" NPT, 2.5" long with filter	<b>MNP-188R</b>
	Nipple	1/4" NPT, 3" long	<b>MNP-189</b>
	Nipple, filtered	1/4" NPT, 3" long with filter	<b>MNP-189R</b>
	Nipple	1/4" NPT, 3.5" long	<b>MNP-190</b>
	Nipple, filtered	1/4" NPT, 3.5" long with filter	<b>MNP-190R</b>
	Nipple, Hand tight	1/4" NPT, 3.5" w/soft tip	<b>MNP-190P</b>
	Nipple, Hand tight	1/4" NPT, 3.5" w/o-ring	<b>MNP-190W</b>
	Soft Tip replacement	ETFE soft tip replacement	<b>T189-3</b>
O-ring	EPDM replacement o-ring	<b>OR-580</b>	
	Valve Outlet Adaptor	.885"-14NGO-RH-INT x 1/4" NPT male	<b>MA-571</b>
	Valve Outlet Adaptor	.885"-14NGO-RH-INT x 1/4" NPT female	<b>MN-500A</b>
	Plug & Chain	.880"-14NGO-RH-EXT brass chrome plated	<b>MPC-500</b>





<b>OXYGEN</b>		<b>CGA 540</b>	<b>3000 PSIG</b>
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Part Number</b>	
	Nut-Female	.908"-14NGO-RH-INT brass chrome plated	<b>MN-071</b>
	Nut, Hand tight	.908"-14NGO-RH-INT brass chrome plated	<b>MHN-071</b>
	Nut, Hand tight	.908"-14NGO-RH-INT brass, plastic grip	<b>MHN-071P</b>
	Nipple	1/4" NPT, 2" long	<b>MNP-210</b>
	Nipple, CV	1/4" NPT, 2" long with check valve	<b>MNP-210CV</b>

**REGULATOR INLET NUTS & NIPPLES  
VALVE OUTLET ADAPTORS**

<b>OXYGEN (CONT)</b>		<b>CGA 540</b>	<b>3000 PSIG</b>
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Part Number</b>	
	Nipple, filtered	1/4" NPT, 2" long with filter	<b>MNP-210R</b>
	Nipple	1/4" NPT, 2.5" long	<b>MNP-211</b>
	Nipple, Hand tight	1/4" NPT, 2.5" w/soft tip	<b>MNP-211P</b>
	Nipple, filtered	1/4" NPT, 2.5" long with filter	<b>MNP-211R</b>
	Nipple	1/4" NPT, 3" long	<b>MNP-212</b>
	Nipple, filtered	1/4" NPT, 3" long with filter	<b>MNP-212R</b>
	Nipple	1/2-27" UNS, 2.5"	<b>MNP-216</b>
	Nipple, filtered	1/2-27" UNS, 2.5" long with filter	<b>MNP-216R</b>
	Soft Tip replacement	ETFE soft tip replacement	<b>T211-1</b>
	Valve Outlet Adaptor	.903"-14NGO-RH-EXT x 1/4" NPT male	<b>MA-591</b>
	Valve Outlet Adaptor	.903"-14NGO-RH-EXT x 1/4" NPT female	<b>MN-540A</b>
	Plug & Chain	.908"-14NGO-RH-INT brass chrome plated	<b>MPC-540</b>

<b>NITROGEN / INERT</b>		<b>CGA 580</b>	<b>3000 PSIG</b>
<b>Fitting Type</b>	<b>Dimension/Material</b>	<b>Part Number</b>	
	Nut-Male	.960"-14NGO-RH-EXT brass chrome plated	<b>MN-073</b>
	Nut, Hand tight	.960"-14NGO-RH-EXT brass chrome plated	<b>MHN-073</b>
	Nut, Hand tight	.960"-14NGO-RH-EXT brass, plastic grip	<b>MHN-073P</b>
	Nipple	1/4" NPT, 2.5" long	<b>MNP-188</b>
	Nipple, CV	1/4" NPT, 2.5" long with check valve	<b>MNP-188CV</b>
	Nipple, filtered	1/4" NPT, 2.5" long with filter	<b>MNP-188R</b>
	Nipple	1/4" NPT, 3" long	<b>MNP-189</b>
	Nipple, filtered	1/4" NPT, 3" long with filter	<b>MNP-189R</b>
	Nipple	1/4" NPT, 3.5" long	<b>MNP-190</b>
	Nipple, filtered	1/4" NPT, 3.5" long with filter	<b>MNP-190R</b>
	Nipple, Hand tight	1/4" NPT, 3.5" w/soft tip	<b>MNP-190P</b>
	Nipple, Hand tight	1/4" NPT, 3.5" w/o-ring	<b>MNP-190W</b>
	Soft Tip replacement	ETFE soft tip replacement	<b>T189-3</b>
O-Ring	EPDM replacement o-ring	<b>OR-580</b>	
	Valve Outlet Adaptor	.965"-14NGO-RH-INT x 1/4" NPT male	<b>MA-601</b>
	Valve Outlet Adaptor	.965"-14NGO-RH-INT x 1/4" NPT female	<b>MN-580A</b>
	Plug & Chain	.960"-14NGO-RH-EXT brass chrome plated	<b>MPC-580</b>

HOSE FITTINGS & ACCESSORIES

Pipe Thread Barbed Hose Fittings			Nickel Plated Hose Ferrules		
					
NPT	Barb	Part Number	ID Ferrule	Length	Part Number
1/8" NPT male x 1/8" ID hose barb		<b>MA-101</b>	.330"	1/2"	<b>M-6231</b>
1/8" NPT male x 3/16" ID hose barb		<b>MA-102</b>	.358"	1/2"	<b>M-833</b>
1/8" NPT male x 1/4" ID hose barb		<b>MA-103</b>	.380"	1/2"	<b>M-622</b>
1/4" NPT male x 1/8" ID hose barb		<b>MA-111</b>	.410"	1/2"	<b>M-620</b>
1/4" NPT male x 3/16" ID hose barb		<b>MA-112</b>	.450"	9/16"	<b>M-769</b>
1/4" NPT male x 1/4" ID hose barb		<b>MA-113</b>	.478"	11/16"	<b>M-4750</b>
1/4" NPT male x 5/16" ID hose barb		<b>MA-114</b>	.500"	1"	<b>M-7322</b>
1/4" NPT male x 3/8" ID hose barb		<b>MA-115</b>	.500"	1/2"	<b>M-624</b>
1/8" NPT female x 1/8" ID hose barb		<b>MA-151</b>	.500"	5/8"	<b>M-624A</b>
1/8" NPT female x 3/16" ID hose barb		<b>MA-152</b>	.525"	1"	<b>M-7323</b>
1/8" NPT female x 1/4" ID hose barb		<b>MA-153</b>	.525"	1/2"	<b>M-625</b>
1/4" NPT female x 1/8" ID hose barb		<b>MA-161</b>	.525"	5/8"	<b>M-625A</b>
1/4" NPT female x 3/16" ID hose barb		<b>MA-162</b>	.548"	31/64"	<b>M-626</b>
1/4" NPT female x 1/4" ID hose barb		<b>MA-163</b>	.564"	3/4"	<b>M-3588</b>
1/4" NPT female x 5/16" ID hose barb		<b>MA-164</b>	.575"	31/64"	<b>M-KK</b>
1/4" NPT female x 3/8" ID hose barb		<b>MA-165</b>			
1/8" NPT male x "bubble" 1/4" hose barb		<b>MA-203</b>			
			Hose Splicers, Round Center Stop		
					
			3/16" x 3/16" ID hose splicer		<b>MS-333</b>
			1/4" x 1/4" ID hose splicer		<b>MS-344</b>
Vise Grip Hose Crimper					
					
Vise Grip crimping tool for 1/4" and 3/16" ID hose		<b>KT-28</b>			

MEDICAL HOSE REPAIR KIT

Contains a selection of popular fittings for 3/16" & 1/4" I.D. hoses with a vise grip style crimping tool.

Part # MRK-001



Qty.	Part #	Description
1	KT-28	Crimping tool
12	M-626	.548" ID Ferrule
8	M-3588	.564" ID Ferrule
12	M-4750	.478" ID Ferrule
6	M-7322	.500" ID Ferrule
8	M-7323	.525" ID Ferrule
2	MA-102	1/8" mnpt x 3/16" barb
2	MA-103	1/8" mnpt x 1/4" barb
3	MA-740	DISS 1240 x 1/8" mnpt
3	MA-742	DISS 1240 x 1/4" mnpt

Qty.	Part #	Description
2	MA-743	DISS 1240 x 3/16" barb
2	MA-744	DISS 1240 x 1/4" barb
4	MHN-124	DISS 1240 HT nut
4	MN-124	DISS 1240 nut
4	MNP-435	DISS 1240 nipple 3/16" barb
4	MNP-435W	DISS 1240 o-ring nipple 3/16"
4	MNP-437	DISS 1240 nipple 1/4" barb
4	MNP-437W	DISS 1240 o-ring nipple 1/4"
2	MS-333	3/16" hose splicer
2	MS-344	1/4" hose splicer



## LIMITED WARRANTY

### WARRANTY:

The manufacturer warrants the products sold hereunder to be free from defects in material and workmanship at the date of shipment. Please note the distinction between "defects" and "damage" as used in this warranty: defects are covered because we, the manufacturer, are responsible; however, we have no control over damage caused by such things as misuse or improper installation. Therefore, damage for any reason is not covered under this warranty.

### WHAT THE MANUFACTURER WILL DO:

If you, the Buyer, meet the eligibility requirements and obligations listed below, then we shall, within thirty (30) days of receipt of a timely claim and the part or parts claimed to be defective, inspect the part or parts and repair or replace, at our option, any part or parts which we determine were defective at the time of shipment from us. However, if we determine that the part or parts were defective and also that circumstances are such as to prevent us from remedying the warranted defects by repair or replacement, then we may at our option, refund you the purchase price of the part or parts.

### ELIGIBILITY REQUIREMENTS & OBLIGATIONS OF BUYER:

You are eligible to obtain service under this warranty if you are the original consumer purchaser, either from us directly or from a seller who stocks our product for resale. However, in order for you to obtain service under this warranty, you must do the following:

1. Send a claim in writing along with samples of the part or parts claimed to be defective to us freight prepaid.
2. Have your claim and sample part or parts delivered within ninety (90) days from the date of shipment of the part or parts from our factory. However, if you bought the part or parts for resale, or if you bought the part or parts from someone who bought them for resale, then you must deliver the claim and the part or parts to us within ninety (90) days from the date of resale—except that under no circumstances shall we honor any claim which fails to be delivered to us with the part or parts within one hundred and eighty (180) day from the date of shipment of the part or parts from our factory.

Your claim along with the sample part or parts should be sent to us:

Superior Products, LLC  
3786 Ridge Road  
Cleveland, Ohio 44144-1175

Your claim should be in typed or printed form and include the following information:

1. Your name and address; and
2. The name and address of the seller of the part or parts; and
3. The date of purchase of the part or parts; and
4. A short description of the alleged defect; and
5. Proof of the purchase of the part or parts, for example, a receipt or cancelled check.

### WHAT IS NOT COVERED UNDER THIS WARRANTY (LIMITATION OF LIABILITY):

As stated above, damage for any reason is not covered under this warranty. Furthermore NO OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXIST IN CONNECTION WITH THE SALE OR USE OF OUR PRODUCTS. However, some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you. Also, since this is a limited warranty, WE SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR ANY OTHER CHARGES, LABOR COSTS, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSSES OR DAMAGES OF ANY KIND OR DESCRIPTION WHATSOEVER ARISING OUT OF, OR IN ANYWAY RELATING TO, ANY BREACH OF THIS WARRANTY OR CLAIMED DEFECT IN, OR NON-PERFORMANCE OF, OUR PRODUCTS. However, some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you. This warranty also excludes commercial and other non-consumer purchasers other than the original consumer purchaser.

### WE HAVE NO AGENTS:

We do not authorize any person to create for us any obligation of liability in connection with our products.

### LEGAL RIGHTS:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state (province to province in Canada).

PRICE:  
\$8.00