

Fittings Medical

*Ratermann
Manufacturing, Inc.
carries a tremendous
range of medical
fittings for all your
operational needs.*







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DISS FITTINGS 200 PSI MAX







SPECIAL MIXTURES DISS-1020-A 200 PSIG

Fitting Type	Dimension/Material	Marked	Part #
 Nut-Female	7/8" hex, brass chrome plated	"Special"	MN-102
 Nipple w/o-ring	1/4" I.D. barb, brass chrome plated		MNP-407W
 Replacement o-ring	EPDM		MR-102
 Body Adaptor	1/4" MNPT, brass chrome plated	"Special"	MA-762







NITROUS OXIDE DISS-1040-A 200 PSIG

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












HELIUM, HELIUM/O2 MIXTURE DISS-1060-A 200 PSIG

Fitting Type	Dimension/Material	Marked	Part #
 Nut-Female	7/8" hex, brass chrome plated	"HE, HE/O2"	MN-106
 Nipple	1/4" I.D. barb, brass chrome plated		MNP-317
 Nipple w/o-ring	1/4" I.D. barb, brass chrome plated		MNP-317W
 Nipple w/o-ring	1/8" MNPT w/wrench flat, brass/chrome		MNP-318W
 Replacement o-ring	EPDM		MR-106
 Body Adaptor	1/4" MNPT, brass chrome plated	"HE, HE/O2"	MA-722














CO2, CO2/O2 MIXTURE DISS-1080-A 200 PSIG

Fitting Type	Dimension/Material	Marked	Part #
 Nut-Female	7/8" hex, brass chrome plated	"CO2, CO2/O2"	MN-108
 Nipple	1/4" MNPT w/wrench flat, brass/chrome		MNP-321
 Nipple w/o-ring	1/4" I.D. barb, brass chrome plated		MNP-327W
 Nipple w/o-ring	1/8" MNPT w/wrench flat, brass/chrome		MNP-329W
 Replacement o-ring	EPDM		MR-108
 Body Adaptor	1/4" MNPT, brass chrome plated	"CO2, CO2/O2"	MA-732





NITROGEN DISS-1120-A 200 PSIG

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







MEDICAL AIR DISS-1160-A 200 PSIG

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
















O2/HELIUM MIXTURES DISS-1180-A 200 PSIG

Fitting Type	Dimension/Material	Marked	Part #
 Nut-Female	7/8" hex, brass chrome plated	"O2-HE"	MN-118
 Nipple w/o-ring	1/4" I.D. barb, brass chrome plated		MNP-377W
 Replacement o-ring	EPDM		MR-118
 Body Adaptor	1/4" MNPT, brass chrome plated	"O2-HE"	MA-692

O2/CO2 MIXTURES DISS-1200-A 200 PSIG

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

SUCTION/VACUUM DISS-1220-A 200 PSIG





















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















Retaining Ring for all nut & nipple combinations except O2 & WAGD/Evac

XSR-100

DISS FITTINGS • HOSE REPAIR KIT • GAUGES

OXYGEN		DISS-1240-A	200 PSIG	
Fitting Type	Dimension/Material	Marked	Part #	
	Nut-Female	11/16" hex, brass/chrome		MN-124
	Nut-Female	11/16" hex, brass/chrome	"O2"	MN-124-S
	Nut Hand Tight	Brass chrome plated, green plastic		MHN-124P
	Nut Hand Tight	White plastic grip for Canadian marking		MHN-124PC
	Nipple	3/16" I.D. barb, brass/chrome		MNP-435
	Nipple w/o-ring	3/16" I.D. barb, brass/chrome		MNP-435W
	Nipple	1/4" I.D. barb, brass/chrome		MNP-437
	Nipple w/o-ring	1/4" I.D. barb, brass/chrome		MNP-437W
	Nipple	1/8" MNPT broached, brass/chrome 1"		MNP-439
	Nipple w/o-ring	1/8" MNPT broached, brass/chrome 1"		MNP-439W
	Retaining Ring	Ring for all DISS-1240 nut & nipple combos		XMR-009
	Nipple	1/8" MNPT broached, brass/chrome 11/2"		MNP-440
	Nipple w/o-ring	1/8" MNPT broached, brass/chrome 11/2"		MNP-440W
	Replacement o-ring	EPDM		MR-124
	Body Adaptor	1/8" MNPT, brass/chrome		MA-740
	Body Adaptor	1/4" MNPT, brass/chrome		MA-742
	Body Adaptor	3/16" I.D. barb, brass/chrome		MA-743
	Body Adaptor	1/4" I.D. barb, brass/chrome		MA-744
	Body Adaptor	1/8" FNPT w/wrench flat, brass/chrome		MA-746
	Body Adaptor	1/4" FNPT w/wrench flat, brass/chrome		MA-748
	Hose Coupler	DISS-1240 male x DISS-1240 male		MC-124

	Cap & Chain	DISS-1240 female gas-tight cap		MPC-124
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WAGD/EVACUATION		DISS-2220-A	200 PSIG	
Fitting Type	Dimension/Material	Marked	Part #	
	Nut-Female	1" hex, brass/chrome	"EVAC"	MN-222
	Nut Hand Tight	Brass chrome plated, purple plastic	"EVAC"	MHN-222P
	Nipple	1/4" I.D. barb, brass/chrome		MNP-457
	Nipple w/o-ring	1/4" I.D. barb, brass/chrome		MNP-457W
	Nipple	5/16" I.D. barb, brass/chrome		MNP-458
	Nipple w/o-ring	5/16" I.D. barb, brass/chrome		MNP-458W
	Nipple	1/4" MNPT w/wrench flat, brass/chrome		MNP-461
	Nipple w/o-ring	1/4" MNPT w/wrench flat, brass/chrome		MNP-461W
	Replacement o-ring	EPDM		MR-222
	Retaining Ring	Retaining ring for WAGD nut & nipple combo		XMR-007
	Body Adaptor	1/4" MNPT, brass/chrome	"EVAC"	MA-752



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.



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
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





GAUGES


OXYGEN		White Face, Green Numbers, Bottom Port			
Pressure/Flow	Face Size	Inlet Thread	Case	Part #	
	4000 PSI	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-1
	4000 PSI	1 1/2" O.D.	1/8" MNPT	Black	MG-BW-2
	4000 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-3
	100 PSI	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-4
	100 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-5
	15 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-6
	15 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CW-7
	5 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CW-8
	8 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CW-9
	8 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-10
	1 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CW-11
	1/2 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CW-12

OXYGEN		White Face, Green Numbers, Back Port			
Pressure/Flow	Face Size	Inlet Thread	Case	Part #	
	15 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-13
	15 LPM	1 1/2" O.D.	1/8" MNPT	Black	MG-BW-14
	5 LPM	1 1/2" O.D.	1/8" MNPT	Black	MG-BW-15
	4000 PSI	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-16
	4000 PSI	1 1/2" O.D.	1/8" MNPT	Black	MG-BW-17
	8 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-18
	8 LPM	1 1/2" O.D.	1/8" MNPT	Black	MG-BW-19
	1 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-20
	1/2 LPM	1 1/2" O.D.	1/8" MNPT	Black	MG-BW-21
	3000 PSI	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CW-22

OXYGEN		Green Face, White Numbers, Bottom Port			
Pressure/Flow	Face Size	Inlet Thread	Case	Part #	
	4000 PSI	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CG-30
	4000 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CG-31
	100 PSI	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CG-32
	100 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CG-33
	15 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CG-34
	15 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CG-35
	8 LPM	1 1/2" O.D.	1/8" MNPT	Chrome	MG-CG-36
	8 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CG-37
	5 LPM	2" O.D.	1/4" MNPT	Chrome	MG-CG-38

OXYGEN		Green Face, White Numbers, Back Port			
Pressure/Flow	Face Size	Inlet Thread	Case	Part #	
	15 LPM	1-1/2" O.D.	1/8" MNPT	Chrome	MG-CG-40
	5 LPM	1-1/2" O.D.	1/8" MNPT	Chrome	MG-CG-41
	4000 PSI	1-1/2" O.D.	1/8" MNPT	Chrome	MG-CG-42
	8 LPM	1-1/2" O.D.	1/8" MNPT	Chrome	MG-CG-43

NITROUS OXIDE		Blue Face, White Numbers, Bottom Port			
Pressure/Flow	Face Size	Inlet Thread	Case	Part #	
	2000 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-50
	100 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-51

NON CORROSIVE		White Face, Black Numbers, Back Port			
Pressure/Flow	Face Size	Inlet Thread	Case	Part #	
	100 PSI	1-1/2" O.D.	1/8" MNPT	Black	MG-BW-70
	300 PSI	1-1/2" O.D.	1/8" MNPT	Black	MG-BW-71
	30 IN. HG VAC	1-1/2" O.D.	1/8" MNPT	Chrome	MG-CW-72

GAUGES CONTINUED

NON CORROSIVE White Face, Black Numbers, Bottom Port

Pressure/Flow	Face Size	Inlet Thread	Case	Part #
4000 PSI	1-1/2" O.D.	1/8" MNPT	Chrome	MG-CW-60
4000 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-61
30 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-62
60 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-63
100 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-64
200 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-65
400 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-66
600 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-67
1000 PSI	2" O.D.	1/4" MNPT	Chrome	MG-CW-68
200 MM HG/FULL VAC	2-1/2" O.D.	1/8" MNPT	Black	MG-BW-69

Flow/LPM gauges require orificed outlet for proper calibration

REPLACEMENT LENSES



Type	Face Size	Part #
Twist on	1.5"	MGC-001
Snap in	1.5"	MGC-002
Snap in	2"	MGC-003
Twist on	2"	MGC-004
1/4 turn	1.5"	MGC-005

TRIPLE OUTLET RAIL BLOCK

TRIPLE OUTLET RAIL BLOCK 200 PSIG



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

Y CONNECTORS



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

CGA TEE COUPLERS

CGA TEE COUPLERS	3000 PSIG	Part #
Carbon Dioxide Tee	CGA 320 Female x CGA 320 Male	MC-320
Nitrous Oxide Tee	CGA 326 Female x CGA 326 Male	MC-326
Medical Air Tee	CGA 346 Female x CGA 346 Male	MC-346
Medical Mixture Tee	CGA 500 Male x CGA 500 Female	MC-500
Oxygen Tee	CGA 540 Female x CGA 540 Male	MC-540
Nitrogen, Helium Tee	CGA 580 Male x CGA 580 Female	MC-580

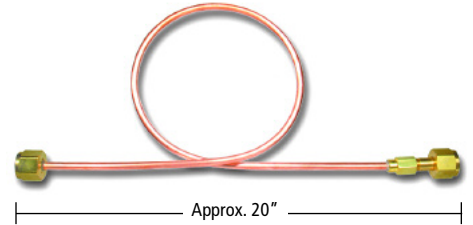
FLEXIBLE STAINLESS STEEL BRAIDED & RIGID COPPER PIGTAILS 3000 PSIG

Standard Lengths: 18" 24" 36" 48"
Custom lengths available upon request



- 304 Stainless Steel Braid
- Teflon Core
- 3000 PSIG Working Pressure
- 100% Leak Tested & Bagged

- Annealed Copper Tubing
- 5/16" OD x .065 wall
- Silver Brazed End Fittings
- 3000 PSIG Working Pressure



For a hand tight inlet connection add an H to the prefix: MFPH-XXX-XX
To specify a check valve on the inlet add a CV to the end of the part #: MFP-XXX-XXXCV
To specify a check valve on the outlet add a CVR to the end of the part #: MFP-XXX-XXXCVR


Gas Service	CGA/Thread Size	Material	Part #
All Non-Corrosive	1/4" FNPT both ends	Stainless Steel/Teflon	MFP-M34I-M34IXX
Carbon Dioxide	CGA 320 Female Nut	Stainless Steel/Teflon	MFP-320-320-XX
Nitrous Oxide	CGA 326 Female Nut	Stainless Steel/Teflon	MFP-326-326-XX
Medical Air	CGA 346 Female Nut	Stainless Steel/Teflon	MFP-346-346-XX
Medical Mixture	CGA 500 Male Nut	Stainless Steel/Teflon	MFP-500-500-XX
Oxygen	CGA 540 Female Nut	Stainless Steel/Teflon	MFP-540-540-XX
Nitrogen, Helium	CGA 580 Male Nut	Stainless Steel/Teflon	MFP-580-580-XX


MANIFOLD REPLACEMENT FLEXIBLE & RIGID PIGTAILS, BRASS ENDS WITH INLET CHECK VALVE


Gas Service	CGA/Thread Size	Material	Part #
Carbon Dioxide	CGA 320 Female Nut	Stainless Steel/Teflon	PTF-320CV-320-24
Carbon Dioxide	CGA 320 Female Nut	Stainless Steel/Teflon	PTF-320CV-320-36
Nitrous Oxide	CGA 326 Female Nut	Stainless Steel/Teflon	PTF-326CV-326-24
Nitrous Oxide	CGA 326 Female Nut	Stainless Steel/Teflon	PTF-326CV-326-36
Nitrous Oxide	CGA 326 Female Nut	Copper, Single Loop	PT-4326CV
Medical Air	CGA 346 Female Nut	Stainless Steel/Teflon	PTF-346CV-346-24
Medical Air	CGA 346 Female Nut	Stainless Steel/Teflon	PTF-346CV-346-36
Medical Air	CGA 346 Female Nut	Copper, Single Loop	PT-4346CV
Oxygen	CGA 540 Female Nut	Copper, Single Loop	PT-4540CV
Oxygen	CGA 540 Female Nut	Stainless Steel/Teflon	PTF-540CV-540-24
Oxygen	CGA 540 Female Nut	Stainless Steel/Teflon	PTF-540CV-540-36
Nitrogen, Helium	CGA 580 Male Nut	Stainless Steel/Teflon	PTF-580CV-580-24
Nitrogen, Helium	CGA 580 Male Nut	Stainless Steel/Teflon	PTF-580CV-580-36


NPT FITTINGS & ADAPTORS • DEMAND VALVES


1/8" & 1/4" NPT PIPE FITTINGS


	90° Elbow 1000 PSIG	Part #
	1/8" x 1/8" NPT Female	MPF-201
	1/4" x 1/4" NPT Female	MPF-202


	90° Street Elbow 1000 PSIG	Part #
	1/8" Female x 1/8" NPT Male	MPF-211
	1/4" Female x 1/8" NPT Male	MPF-212
	1/4" Female x 1/4" NPT Male	MPF-213


	45° Elbow 1000 PSIG	Part #
	1/8" Female x 1/8" NPT Male	MPF-221
	1/4" Female x 1/4" NPT Male	MPF-222


	Tees 1000 PSIG	Part #
	1/8" x 1/8" NPT Female	MPF-231
	1/4" x 1/4" NPT Female	MPF-232


	Street Tee 1000 PSIG	Part #
	1/8" Females x 1/8" NPT Male	MPF-241
	1/4" Females x 1/4" NPT Male	MPF-242


	Cross 1000 PSIG	Part #
	1/8" x 1/8" NPT Female	MPF-251
	1/4" x 1/4" NPT Female	MPF-252


	Hex Nipple 1000 PSIG	Part #
	1/8" x 1/8" NPT Male	MPF-311
	1/4" x 1/8" NPT Male	MPF-312
	1/4" x 1/4" NPT Male	MPF-313


	Female Adaptor 3000 PSIG	Part #
	1/8" x 1/8" NPT Female	MPF-321
	1/4" x 1/8" NPT Female	MPF-322
	1/4" x 1/4" NPT Female	MPF-323

	Adaptor 3000 PSIG	Part #
	1/8" Female x 1/8" NPT Male	MPF-411
	1/4" Female x 1/4" NPT Male	MPF-412
	1/4" Female x 1/8" NPT Male	MPF-413

	Reducer Bushing 3000 PSIG	Part #
	1/8" Female x 1/4" NPT Male	MPF-421
	1/8" Female x 3/8" NPT Male	MPF-422
	1/4" Female x 3/8" NPT Male	MPF-423









	Pipe Nipple 3000 PSIG	Part #
	1/8" NPT Male x 1-1/2" long	MPF-101
	1/8" NPT Male x 2-1/2" long	MPF-102
	1/4" NPT Male x 1-1/2" long	MPF-103
	1/4" NPT Male x 2-1/2" long	MPF-104









	Pipe Extender 3000 PSIG	Part #
	1/8" Female x 1/8" NPT Male x 2-1/2" long	MPF-511
	1/4" Female x 1/4" NPT Male x 3" long	MPF-512

	Pipe Plug 3000 PSIG	Part #
	1/8" NPT Male	MPF-001
	1/4" NPT Male	MPF-002






	Manifold Block 3000 PSIG	Part #
	Six 1/4" NPT Female ports	MMB-006





BALL SEAT SHUT OFF VALVES W/ SS STEEL STEM

200 PSI	Valve Type	Inlet x Outlet	Handle	Part #
	Oxygen	DISS-1240 male inlet x DISS-1240 male outlet	brass	MV-050
	Oxygen	DISS-1240 male inlet x DISS-1240 male outlet	plastic	MV-050P
	Oxygen	DISS-1240 female swivel inlet x DISS-1240 male outlet	brass	MV-052
	Oxygen	DISS-1240 female swivel inlet x DISS-1240 male outlet	plastic	MV-052P
	Oxygen	DISS-1240 male inlet x 1/4" NPT male outlet	brass	MV-076
	Oxygen	DISS-1240 male inlet x 1/4" NPT male outlet	plastic	MV-076P
	Oxygen	1/4" NPT male inlet x DISS-1240 male outlet	brass	MV-088
	Oxygen	1/4" NPT male inlet x DISS-1240 male outlet	plastic	MV-088P




3000 PSI	Valve Type	Inlet x Outlet	Handle	Part #
	All Gases	1/8" NPT male inlet x 1/8" NPT male outlet	brass	MV-301
	All Gases	1/8" NPT male inlet x 1/8" NPT male outlet	plastic	MV-301P
	All Gases	1/4" NPT male inlet x 1/4" NPT male outlet	brass	MV-333
	All Gases	1/4" NPT male inlet x 1/4" NPT male outlet	plastic	MV-333P
	All Gases	1/4" NPT female inlet x 1/4" NPT male outlet	brass	MV-334
	All Gases	1/4" NPT female inlet x 1/4" NPT male outlet	plastic	MV-334P
	All Gases	1/4" NPT male inlet x 1/4" NPT female outlet	brass	MV-335
	All Gases	1/4" NPT male inlet x 1/4" NPT female outlet	plastic	MV-335P

DISS ADAPTORS











Fitting Type	Inlet x Outlet	Part #
 MA-182	Straight Adaptor DISS-1240 female nut x 1/8" NPT male 1 1/2" long	MA-182
 MA-188	Straight Adaptor DISS-1240 female nut x 1/4" NPT male 2 1/2" long	MA-188
 MA-192	Straight Adaptor DISS-1240 female nut x 1/4" NPT male 1 1/2" long	MA-192
 MA-254	Straight Adaptor DISS-1240 female nut x 1/4" I.D. hose barb	MA-254
 MC-124	Hose Coupler DISS-1240 male x DISS-1240 male	MC-124

 MA-322	90° Adaptor DISS-1240 female nut x 1/4" NPT male	MA-322
 MA-328	90° Adaptor DISS-1240 female nut x DISS-1240 male	MA-328
 MA-328	90° Adaptor DISS-1240 female nut x DISS-1240 male 13/4" long	MA-328
 MA-334	90° Adaptor DISS-1240 male x 1/4" NPT male	MA-334

RESTRICTED FLOW ORIFICE ADAPTORS

Fitting Type	Inlet x Outlet	Part #
 MA-742-73	Orifice Adaptor DISS-1240 male x 1/4" NPT male w/#73 orifice & filter	MA-742-73
 MA-742-77	Orifice Adaptor DISS-1240 male x 1/4" NPT male w/#77 orifice & filter	MA-742-77
 MA-742-80	Orifice Adaptor DISS-1240 male x 1/4" NPT male w/#80 orifice & filter	MA-742-80

DEMAND FLOW VALVES

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

HOSE FITTINGS & ACCESSORIES

Pipe Thread Barbed Hose Fittings

NPT	Barb	Part #
1/8" NPT male x 1/8" ID hose barb		MA-101
1/8" NPT male x 3/16" ID hose barb		MA-102
1/8" NPT male x 1/4" ID hose barb		MA-103
1/4" NPT male x 1/8" ID hose barb		MA-111
1/4" NPT male x 3/16" ID hose barb		MA-112
1/4" NPT male x 1/4" ID hose barb		MA-113
1/4" NPT male x 5/16" ID hose barb		MA-114
1/4" NPT male x 3/8" ID hose barb		MA-115
1/8" NPT female x 1/8" ID hose barb		MA-151
1/8" NPT female x 3/16" ID hose barb		MA-152
1/8" NPT female x 1/4" ID hose barb		MA-153
1/4" NPT female x 1/8" ID hose barb		MA-161
1/4" NPT female x 3/16" ID hose barb		MA-162
1/4" NPT female x 1/4" ID hose barb		MA-163
1/4" NPT female x 5/16" ID hose barb		MA-164
1/4" NPT female x 3/8" ID hose barb		MA-165
3/8" NPT female x 1/4" ID hose barb		MA-168
1/8" NPT male x "bubble" 1/4" hose barb		MA-203



MA-113

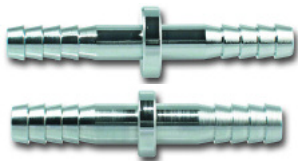


MA-203



MA-163

HOSE SPLICERS, ROUND CENTER STOP



Description	Part #
3/16" x 3/16" ID hose splicer	MS-333
1/4" x 1/4" ID hose splicer	MS-344

OXYGEN CYLINDER WRENCH

The Oxygen Cylinder Wrench Will Easily Open Caps & Valves, and Connects / Disconnects Regulator



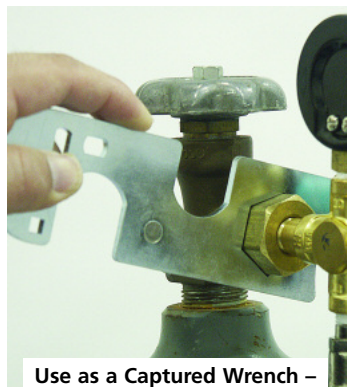
Use for Tough to Open Valves
Pt # RAT-CW540580



For Hard to Turn Caps



Connecting Regulator
CGA 540 & CGA 580



Use as a Captured Wrench -
Stays with Regulator

NICKEL PLATED HOSE FERRULES

ID Ferrule	Length	Part #
.330"	1/2"	M-6231
.358"	1/2"	M-833
.380"	1/2"	M-622
.410"	1/2"	M-620
.450"	9/16"	M-769
.478"	11/16"	M-4750
.500"	1"	M-7322
.500"	1/2"	M-624
.500"	5/8"	M-624A
.525"	1"	M-7323
.525"	1/2"	M-625
.525"	5/8"	M-625A
.548"	31/64"	M-626
.564"	3/4"	M-3588
.575"	31/64"	M-KK

WISE GRIP HOSE CRIMPER



Description	Part #
Vise Grip crimping tool for 1/4" and 3/16" ID hose	KT-28

DISPOSABLE PLASTIC FITTINGS



Fitting Type	Inlet x Outlets	Part #
Disposable Outlet	DISS-1240 female x barb for canula tubing, green	MDF-101
Disposable Outlet	DISS-1240 female x barb for canula tubing, white Canadian	MDF-101C

TEFLON PASTE AND TAPE

Oxygen Safe, Chemically Inert, and Odor Free



Teflon Paste



FORMULA-8 is used by thousands of welding and general supply companies and equipment manufacturers worldwide.



Teflon Tape

Description	Part #
1/4" Teflon Tape	Tape-1
1/2" Teflon Tape	Tape-2
3/4" Teflon Tape	Tape-34
1" Teflon Tape	Tape-3
Teflon Paste	Oxy-Teflon 8

PIN INDEXED YOKES • BULK HOSE



Replacement Parts for all Yokes

T-handle	MYP-001
Hand tight handle	MYP-002
Inlet bushing 1/4" NPT male	MYP-004
Inlet bushing 1/2" NPT male	MYP-008
Tefzel washer	MYP-010
Nylon washer	MYP-011
Viton washer	MYP-012
Sintered inlet filter	MYP-015
Stainless steel pin	MYP-020
Inlet bushing CGA 540 male w/filter*	MYP-540

* For CGA 870 yoke only

OXYGEN

CGA 870	Inlet	Part #
Yoke w/HT grip x CGA 540 male		MFY-870-1H
Yoke w/T-handle x CGA 540 male		MFY-870-1
Yoke w/HT grip x 1/4" NPT male		MFY-870-4H
Yoke w/T-handle x 1/4" NPT male		MFY-870-4
Yoke w/HT grip x 1/2" NPT male		MFY-870-8H
Yoke w/T-handle x 1/2" NPT male		MFY-870-8

CO₂/OXYGEN MIXTURE

CO₂ Not Over 7%

CGA 880	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-880-4H
Yoke w/T-handle x 1/4" NPT male		MFY-880-4
Yoke w/HT grip x 1/2" NPT male		MFY-880-8H
Yoke w/T-handle x 1/2" NPT male		MFY-880-8

HELIUM/OXYGEN MIXTURE

Helium Not Over 80%

CGA 870	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-890-4H
Yoke w/T-handle x 1/4" NPT male		MFY-890-4
Yoke w/HT grip x 1/2" NPT male		MFY-890-8H
Yoke w/T-handle x 1/2" NPT male		MFY-890-8

NITROUS OXIDE

CGA 910	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-910-4H
Yoke w/T-handle x 1/4" NPT male		MFY-910-4
Yoke w/HT grip x 1/2" NPT male		MFY-910-8H
Yoke w/T-handle x 1/2" NPT male		MFY-910-8

HELIUM/OXYGEN MIXTURE

Helium Over 80%

CGA 930	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-930-4H
Yoke w/T-handle x 1/4" NPT male		MFY-930-4
Yoke w/HT grip x 1/2" NPT male		MFY-930-8H
Yoke w/T-handle x 1/2" NPT male		MFY-930-8

CO₂/OXYGEN MIXTURE

CO₂ Over 80%

CGA 940	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-940-4H
Yoke w/T-handle x 1/4" NPT male		MFY-940-4
Yoke w/HT grip x 1/2" NPT male		MFY-940-8H
Yoke w/T-handle x 1/2" NPT male		MFY-940-8

MEDICAL AIR

CGA 950	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-950-4H
Yoke w/T-handle x 1/4" NPT male		MFY-950-4
Yoke w/HT grip x 1/2" NPT male		MFY-950-8H
Yoke w/T-handle x 1/2" NPT male		MFY-950-8

NITROGEN

CGA 960	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-960-4H
Yoke w/T-handle x 1/4" NPT male		MFY-960-4
Yoke w/HT grip x 1/2" NPT male		MFY-960-8H
Yoke w/T-handle x 1/2" NPT male		MFY-960-8

MEDICAL GAS MIXTURES

CGA 973	Inlet	Part #
Yoke w/HT grip x 1/4" NPT male		MFY-973-4H
Yoke w/T-handle x 1/4" NPT male		MFY-973-4
Yoke w/HT grip x 1/2" NPT male		MFY-973-8
Yoke w/T-handle x 1/2" NPT male		MFY-973-8H

BULK HOSE



- FDA Medical Grade PVC
- 250 PSIG Working Pressure
- 1000 PSIG Burst Pressure
- Two Layer Construction w/Polyester Braid
- CGA C-9 Color Coded
- 250 Foot Reels



NON-CONDUCTIVE

Gas Service / I.D. / Color	Part #
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

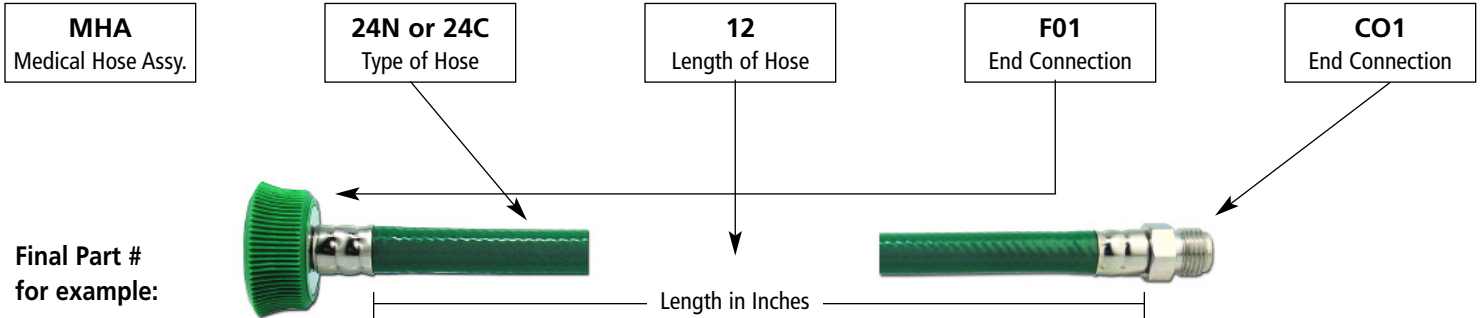
CONDUCTIVE

Gas Service / I.D. / Color	Part #
General 1/4" (Clear)	N/A
Nitrous Oxide 1/4" (Blue)	MH-104-04C
CO ₂ 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

HOSE ASSEMBLIES

HOW TO ORDER

Ratermann Manufacturing 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.



TYPES OF HOSE

Types of Hose	Non-Conductive	Conductive
Nitrous Oxide 1/4" (Blue)	04N	04C
CO2 1/4" (Gray)	N/A	08C
Nitrogen 1/4" (Black)	12N	12C
Medical Air 1/4" (Yellow)	16N	16C
WAGD 5/16" (Purple)	50N	N/A
Suction/Vacuum 1/4" (White)	22N	22C
Suction/Vacuum 5/16" (White)	N/A	52C
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"	52
	Medical Air DISS 1160	03
	Nitrogen DISS 1120	04
	Nitrous Oxide DISS 1040	05
	Special Mixtures DISS 1020	06
	Helium/Helium O2 Mixture DISS 1060	07
	CO2/CO2 O2 Mixture DISS 1080	08
	Oxygen Helium Mixture DISS 1180	09
	Oxygen CO2 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 116003	
	Nitrogen DISS 1120 04	
	Nitrous Oxide DISS 1040	05
	CO2/CO2 O2 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

F	DISS Quick Connect (Zip Nut)	
	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

QUICK CONNECTS

QUICK CONNECTS (CHEMETRON MALE)

Select inlet connection required from the left hand column



Select gas service requirements from top row

Inlet	Oxygen	Air	Vacuum	N ₂ O	WAGD	CO ₂
1/8" MNPT	M-CM-OX-1	M-CM-AR-1	M-CM-SC-1	M-CM-NO-1	M-CM-EV-1	M-CM-CO-1
1/4" HOSE * 5/16" HOSE	M-CM-OX-2	M-CM-AR-2	M-CM-SC-2	M-CM-NO-2	M-CM-EV-2	M-CM-CO-2
DISS MALE	M-CM-OX-3	M-CM-AR-3	M-CM-SC-3	M-CM-NO-3	M-CM-EV-3	M-CM-CO-3
1/4" MNPT	M-CM-OX-4	M-CM-AR-4	M-CM-SC-4	M-CM-NO-4	M-CM-EV-4	M-CM-CO-4
1/8" FNPT	M-CM-OX-5	M-CM-AR-5	M-CM-SC-5	M-CM-NO-5	M-CM-EV-5	M-CM-CO-5
DISS HANDTIGHT	M-CM-OX-6	M-CM-AR-6	M-CM-SC-6	M-CM-NO-6	M-CM-EV-6	M-CM-CO-6
DISS NUT & NIPPLE	M-CM-OX-7	M-CM-AR-7	M-CM-SC-7	M-CM-NO-7	M-CM-EV-7	M-CM-CO-7

QUICK CONNECTS (CHEMETRON FEMALE)

Select inlet connection required from the left hand column



Select gas service requirements from top row

Inlet	Oxygen	Air	Vacuum	N ₂ O	WAGD	CO ₂
1/8" MNPT	F-CM-OX-1	F-CM-AR-1	F-CM-SC-1	F-CM-NO-1	F-CM-EV-1	F-CM-CO-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-2	F-CM-CO-2
DISS MALE	F-CM-OX-3	F-CM-AR-3	F-CM-SC-3	F-CM-NO-3	F-CM-EV-3	F-CM-CO-3
1/4" MNPT	F-CM-OX-4	F-CM-AR-4	F-CM-SC-4	F-CM-NO-4	F-CM-EV-4	F-CM-CO-4
1/8" FNPT	F-CM-OX-5	F-CM-AR-5	F-CM-SC-5	F-CM-NO-5	F-CM-EV-5	F-CM-CO-5
DISS HANDTIGHT	F-CM-OX-6	F-CM-AR-6	F-CM-SC-6	F-CM-NO-6	F-CM-EV-6	N/A
DISS NUT & NIPPLE	F-CM-OX-7	F-CM-AR-7	F-CM-SC-7	F-CM-NO-7	F-CM-EV-7	F-CM-CO-7

Select inlet connection required from the left hand column

QUICK CONNECTS (OHMEDA MALE)



Select gas service requirements from top row

Inlet	Oxygen	Air	Vacuum	N ₂ O	WAGD	CO ₂
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-2	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 HANDTIGHT	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

QUICK CONNECTS (OHMEDA FEMALE)

Select inlet connection required from the left hand column



Select gas service requirements from top row

Inlet	Oxygen	Air	Vacuum	N ₂ O	WAGD	CO ₂
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-2	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 HANDTIGHT	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 • DISS QUICK CONNECT

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 ₂ O	WAGD	CO ₂
1/8" MNPT	M-PR-OX-1	M-PR-AR-1	M-PR-SC-1	M-PR-NO-1	M-PR-EV-1	M-PR-CO-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-2	M-PR-CO-2
DISS MALE	M-PR-OX-3	M-PR-AR-3	M-PR-SC-3	M-PR-NO-3	M-PR-EV-3	M-PR-CO-3
1/4" MNPT	M-PR-OX-4	M-PR-AR-4	M-PR-SC-4	M-PR-NO-4	M-PR-EV-4	M-PR-CO-4
1/8" FNPT	M-PR-OX-5	M-PR-AR-5	M-PR-SC-5	M-PR-NO-5	M-PR-EV-5	M-PR-CO-5
DISS HANDTIGHT	M-PR-OX-6	M-PR-AR-6	M-PR-SC-6	M-PR-NO-6	M-PR-EV-6	N/A
DISS NUT & NIPPLE	M-PR-OX-7	M-PR-AR-7	M-PR-SC-7	M-PR-NO-7	M-PR-EV-7	M-PR-CO-7

QUICK CONNECTS (OXEQUIP MALE)

Select inlet connection required from the left hand column



Select gas service requirements from top row

Inlet	Oxygen	Air	Vacuum	N ₂ O
1/8" MNPT	M-OX-OX-1	M-OX-AR-1	M-OX-SC-1	M-OX-NO-1
1/4" HOSE * 5/16" 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

DISS QUICK CONNECT (ZIP NUT®)

The Industry's Only DISS Quick Connect

The patented Superior Medical Zip Nut® 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. Zip Nuts® 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 ₂ O	WAGD	CO ₂
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-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

OR COUPLERS/DUPLEX COUPLERS

Select inlet and outlet connection required from the left hand column

Select gas service requirements from top row








Inlet/Outlet	Oxygen	Air	Vacuum	Nitrous Oxide
DISS Nut & Nipple	MDO-A01-C01	MDO-A03-C03	MDO-A02-C02	MDO-A05-C05
DISS Hand tight	MDO-B01-C01	MDO-B03-C03	MDO-B02-C02	MDO-B05-C05
DISS Quick Connect	MDO-F01-C01	MDO-F03-C03	MDO-F02-C02	MDO-F05-C05
Chematron	MDO-G01-H01	MDO-G03-H03	MDO-G02-H02	MDO-G05-H05
Ohmeda	MDO-I01-J01	MDO-I03-J03	MDO-I02-J02	MDO-I05-J05
NPT Block	1/8" FNPT inlet x 1/4" FNPT outlets			MDO-002
NPT Block	1/4" FNPT inlet x 1/4" FNPT outlets			MDO-004

DEMAND VALVE DUPLEX ADAPTORS

DEMAND VALVE DUPLEX ADAPTORS

Select inlet connection required from the left hand column

Select gas service requirements from top row

Inlet/Outlet	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-104-5
 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

FLOWMETERS

Features

- Brass chrome plated body
- Polycarbonate inner & outer tubes for durability
- Available with full line of inlets & quick connects
- Power take off model available, add PT to part #



Example: MFM-124-3K1-PT

Individual Power Take Off Assemblies





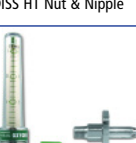
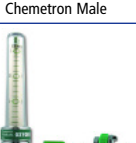



Oxygen Power Take Off – PTA-001

Air Power Take Off – PTA-002






Select inlet connection required from the left hand column

Select gas service and liters per minute from top row













Inlet/Outlet	Oxygen 1/8 to 3.5 LPM	Air 1/4 to 8 LPM	Vacuum 1/2 to 15 LPM	Nitrous Oxide 1 to 15 LPM
 1/8" FNPT	MFM-124-1D1	MFM-124-2D1	MFM-124-3D1	MFM-116-3D3
 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

REGULATOR INLET NUTS & NIPPLES VALVE OUTLET ADAPTORS












MEDICAL BREATHING MIXTURES CGA 280 3000 PSIG

Fitting Type	Dimension/Material	Part #
 Nut-Female	.750"-14NGO-RH-INT brass chrome plated	MN-059
 Nipple	1/4" NPT, 2.5" long	MNP-118
 Nipple, CV	1/4" NPT, 2.5" long with check valve	MNP-118CV
 Nipple, filtered	1/4" NPT, 2.5" long with filter	MNP-118R
 Plug & Chain	.750"-14NGO-RH-INT brass chrome plated	MPC-280












CARBON DIOXIDE CGA 320 3000 PSIG

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

NITROUS OXIDE CGA 326 3000 PSIG

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

MEDICAL AIR CGA 346 3000 PSIG

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

LUBE PRODUCT LINE

















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- ✓ **PRESSURE RELIEFS**
- ✓ **VALVES**


















MEDICAL MIXTURES CGA 500 3000 PSIG

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

OXYGEN CGA 540 3000 PSIG

Fitting Type	Dimension/Material	Part #
 Nut-Female	.908"-14NGO-RH-INT brass chrome plated	MN-071
 Nut, Hand tight	.908"-14NGO-RH-INT brass chrome plated	MHN-071
 Nut, Hand tight	.908"-14NGO-RH-INT brass, plastic grip	MHN-071P
 Nipple	1/4" NPT, 2" long	MNP-210
 Nipple, CV	1/4" NPT, 2" long with check valve	MNP-210CV
 Nipple, filtered	1/4" NPT, 2" long with filter	MNP-210R
 Nipple	1/4" NPT, 2.5" long	MNP-211
 Nipple, Hand tight	1/4" NPT, 2.5" w/soft tip	MNP-211P
 Nipple, filtered	1/4" NPT, 2.5" long with filter	MNP-211R
 Nipple	1/4" NPT, 3" long	MNP-212
 Nipple, filtered	1/4" NPT, 3" long with filter	MNP-212R
 Nipple	1/2-27" UNS, 2.5"	MNP-216
 Nipple, filtered	1/2-27" UNS, 2.5" long with filter	MNP-216R
 Soft Tip replacement	ETFE soft tip replacement	T211-1
 Valve Outlet Adaptor	.903"-14NGO-RH-EXT x 1/4" NPT male	MA-591
 Valve Outlet Adaptor	.903"-14NGO-RH-EXT x 1/4" NPT female	MN-540A
 Plug & Chain	.908"-14NGO-RH-INT brass chrome plated	MPC-540

NITROGEN / INERT CGA 580 3000 PSIG

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