

FLOWMETERS AND SPECIALTY PRODUCTS



Chrome Flowmeter

Durable, Accurate, Precise, Dependable



Specifications

Flow Range	Gas	Graduations	Accuracy	Flush Flow
0-200 cc	Oxygen	20 cc	0-100 cc ± 10 cc 101-200 cc ± 14 cc	500 cc
0-1 l/min	Oxygen	.1 l/min	0-1 $\pm .05$ l/min	5 l/min
0-3.5 l/min	Oxygen	.125 (0-1) l/min .25 (1-3.5) l/min	0-3.5 $\pm .15$ l/min	20-40 l/min
0-5 l/min	Oxygen	.25 l/min	0-5 $\pm .20$ l/min	60-80 l/min
0-15 l/min	Oxygen	.5 (0-5) l/min 1 (5-15) l/min	0-5 $\pm .25$ l/min 6-15 $\pm .50$ l/min	60-80 l/min
0-15 l/min	Air	.5 (0-5) l/min 1 (5-15) l/min	0-5 $\pm .25$ l/min 6-15 $\pm .50$ l/min	60-80 l/min
2-26 l/min	Oxygen	1 l/min	2-4 $\pm .50$ l/min 5-26 $\pm 10\%$ of reading	60-80 l/min
3-35 l/min	Oxygen	1 (3-15) l/min 5 (15-35) l/min	3-4 $\pm .50$ l/min 5-35 $\pm 10\%$ of reading	
0-70 l/min	Oxygen	5 l/min	0-70 $\pm 10\%$ of reading	70-90 l/min
0-70 l/min	Air	5 l/min	0-70 $\pm 10\%$ of reading	70-90 l/min

Flowmeters calibrated at 50 PSI, 70°F, standard atmospheric pressure.
Specifications are subject to change without prior notice.



Ordering Information

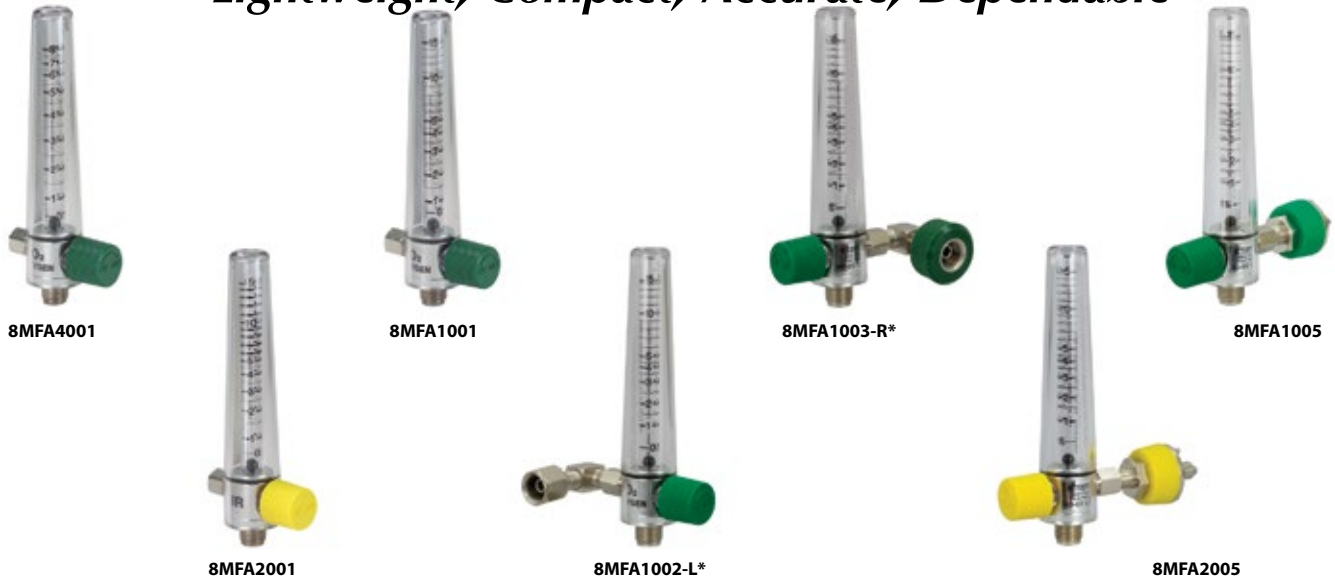
	O2 0-200 cc	O2 0-1 l/min	O2 0-3.5 l/min	O2 0-5 l/min	O2 0-15 l/min	Air 0-15 l/min	O2 2-26 l/min	O2 3-35 l/min	O2 0-70 l/min	Air 0-70 l/min
No Adaptor (1/8 NPTF)	6MFA1001	4MFA1001	1MFA3001	1MFA3501	1MFA1001	1MFA2001	1MFA1101	1MFA1401	1MFA8001	1MFA9001
DISS Female Hex Nut	6MFA1002	4MFA1002	1MFA3002	1MFA3502	1MFA1002	1MFA2002	1MFA1102	1MFA1402	1MFA8002	1MFA9002
DISS Female Hand Tight	6MFA1003	4MFA1003	1MFA3003	1MFA3503	1MFA1003	1MFA2003	1MFA1103	1MFA1403	1MFA8003	1MFA9003
DISS Male	6MFA1004	4MFA1004	1MFA3004	1MFA3504	1MFA1004	1MFA2004	1MFA1104	1MFA1404	1MFA8004	1MFA9004
Ohmeda	6MFA1005	4MFA1005	1MFA3005	1MFA3505	1MFA1005	1MFA2005	1MFA1105	1MFA1405	1MFA8005	1MFA9005
Chemetron	6MFA1006	4MFA1006	1MFA3006	1MFA3506	1MFA1006	1MFA2006	1MFA1106	1MFA1406	1MFA8006	1MFA9006
Oxequip	6MFA1007	4MFA1007	1MFA3007	1MFA3507	1MFA1007	1MFA2007	1MFA1107	1MFA1407	1MFA8007	1MFA9007
Puritan-Bennett	6MFA1008	4MFA1008	1MFA3008	1MFA3508	1MFA1008	1MFA2008	1MFA1108	1MFA1408	1MFA8008	1MFA9008
Schrader	6MFA1009	4MFA1009	1MFA3009	1MFA3509	1MFA1009	1MFA2009	1MFA1109	1MFA1409	1MFA8009	1MFA9009
Medstar	6MFA100M	4MFA100M	1MFA300M	1MFA350M	1MFA100M	1MFA200M	1MFA110M	1MFA140M	1MFA800M	1MFA900M

Add PTO behind part number for Power Take-Off
* Add -R or -L for right or left

International specifications, special ratings and colors available upon request

Compact Flowmeter

Lightweight, Compact, Accurate, Dependable












Specifications

Model	Gas	Scale	Increments	Accuracy	Flush Flow
0-8 l/min	Oxygen	0-8 l/min	.5 l/min (starts at .5 l/min)	±.25 l/min	40-60 l/min
0-15 l/min	Oxygen	0-15 l/min	.5 l/min from .5 to 5 l/min 1 l/min from 5 to 15 l/min	±.25 l/min from .5 to 5 l/min ±.5 l/min above 6 to 15 l/min	40-60 l/min
0-15 l/min	Air	0-15 l/min	.5 l/min from .5 to 5 l/min 1 l/min from 5 to 15 l/min	±.25 l/min from .5 to 5 l/min ±.5 l/min above 6 to 15 l/min	40-60 l/min

Flowmeters calibrated at 50 PSI, 70°F, standard atmospheric pressure. Specifications are subject to change without prior notice.

Ordering Information

	O2 0-8 l/min	O2 0-15 l/min	Air 0-15 l/min
No Adaptor (1/8 NPTF)	8MFA4001	8MFA1001	8MFA2001
 DISS Female Hex Nut	8MFA4002	8MFA1002	8MFA2002
 DISS Female Hand Tight	8MFA4003	8MFA1003	8MFA2003
 DISS Male	8MFA4004	8MFA1004	8MFA2004
 Ohmeda	8MFA4005	8MFA1005	8MFA2005
 Chemetron	8MFA4006	8MFA1006	8MFA2006
 Oxequip	8MFA4007	8MFA1007	8MFA2007
 Puritan- Bennett	8MFA4008	8MFA1008	8MFA2008
 Schrader	8MFA4009	8MFA1009	8MFA2009
 Medstar	8MFA400M	8MFA100M	8MFA200M

Add PTO behind part number for Power Take-Off
International specifications, special ratings and colors available upon request
* Add -R or -L for right or left elbows

Y Block & T Branch

Versatile, Multi-Purpose, Space Saving



Ordering Information

	Y Block Compact O2 0-15 l/min	Y Block Compact Air 0-15 l/min	Y Block Chrome O2 0-15 l/min	Y Block Chrome Air 0-15 l/min	T Branch Chrome O2 0-15 l/min	T Branch Chrome Air 0-15 l/min
No Adaptor (1/8 NPTF)	Y8MFA1001	Y8MFA2001	Y1MFA1001	Y1MFA2001	D1MFA1001	D1MFA2001
DISS Female Hex Nut	Y8MFA1002	Y8MFA2002	Y1MFA1002	Y1MFA2002	D1MFA1002	D1MFA2002
DISS Female Hand Tight	Y8MFA1003	Y8MFA2003	Y1MFA1003	Y1MFA2003	D1MFA1003	D1MFA2003
DISS Male	Y8MFA1004	Y8MFA2004	Y1MFA1004	Y1MFA2004	D1MFA1004	D1MFA2004
Ohmeda	Y8MFA1005	Y8MFA2005	Y1MFA1005	Y1MFA2005	D1MFA1005	D1MFA2005
Chemetron	Y8MFA1006	Y8MFA2006	Y1MFA1006	Y1MFA2006	D1MFA1006	D1MFA2006
Oxequip	Y8MFA1007	Y8MFA2007	Y1MFA1007	Y1MFA2007	D1MFA1007	D1MFA2007
Puritan- Bennett	Y8MFA1008	Y8MFA2008	Y1MFA1008	Y1MFA2008	D1MFA1008	D1MFA2008
Schrader	Y8MFA1009	Y8MFA2009	Y1MFA1009	Y1MFA2009	D1MFA1009	D1MFA2009
Medstar	Y8MFA100M	Y8MFA200M	Y1MFA100M	Y1MFA200M	D1MFA100M	D1MFA200M

Custom assemblies and other flowmeter configurations available upon request.
 For 1 Power Take-Off add PT1 after part number. For 2 Power Take-Offs add PT2 after part number.
 See Compact Flowmeter or Chrome Flowmeter for flowmeter specifications.

International specifications, special ratings and colors available upon request.

Dial Flowmeter

Durable, Compact, Accurate, User Friendly












Specifications

Flow Range	Position Increments (l/min)
0-15 l/min	Off, .5, 1, 2, 3, 4, 5, 6, 8, 10, 15 and Flush
0-25 l/min	Off, 1, 2, 3, 4, 6, 8, 10, 12, 15, 20 and 25

NOTE: There is no flow between settings.

Ordering Information

	O2 0-15 l/min	Air 0-15 l/min	O2 0-25 l/min	Air 0-25 l/min
No Adaptor (1/8 NPTF)	7MFA1001	7MFA2001	7MFA1101	7MFA2101
 DISS Female Hex Nut	7MFA1002	7MFA2002	7MFA1102	7MFA2102
 DISS Female Hand Tight	7MFA1003	7MFA2003	7MFA1103	7MFA2103
 DISS Male	7MFA1004	7MFA2004	7MFA1104	7MFA2104
 Ohmeda	7MFA1005	7MFA2005	7MFA1105	7MFA2105
 Chemetron	7MFA1006	7MFA2006	7MFA1106	7MFA2106
 Oxequip	7MFA1007	7MFA2007	7MFA1107	7MFA2107
 Puritan-Bennett	7MFA1008	7MFA2008	7MFA1108	7MFA2108
 Schrader	7MFA1009	7MFA2009	7MFA1109	7MFA2109
 Medstar	7MFA100M	7MFA200M	7MFA110M	7MFA210M

Add PTO behind part number for Power Take-Off








International specifications, special ratings and colors available upon request.

* Add TC for top connection

Eliminator

Eliminates Oxygen Waste, Time Saver, Preset, Convenient

Ordering Information

	Flow Barb	Eliminator (no Flowmeter)	w/Chrome Flowmeter	w/Compact Flowmeter		
 E7150	No Adaptor (1/8 NPTF)	15 l/min 24 l/min FLUSH Adjustable	E7150 E7240 E7000 E7990	1MFA7150 1MFA7240 1MFA7000 1MFA7990	8MFA7150 8MFA7240 8MFA7000 8MFA7990	
	 DISS Female Hex Nut	15 l/min 24 l/min FLUSH Adjustable	E7152 E7242 E7002 E7992	1MFA7152 1MFA7242 1MFA7002 1MFA7992	8MFA7152 8MFA7242 8MFA7002 8MFA7992	
		 DISS Female Hand Tight	15 l/min 24 l/min FLUSH Adjustable	E7153 E7243 E7003 E7993	1MFA7153 1MFA7243 1MFA7003 1MFA7993	8MFA7153 8MFA7243 8MFA7003 8MFA7993
			 DISS Male	15 l/min 24 l/min FLUSH Adjustable	E7154 E7244 E7004 E7994	1MFA7154 1MFA7244 1MFA7004 1MFA7994
 Ohmeda				15 l/min 24 l/min FLUSH Adjustable	E7155 E7245 E7005 E7995	1MFA7155 1MFA7245 1MFA7005 1MFA7995
	 Chemetron			15 l/min 24 l/min FLUSH Adjustable	E7156 E7246 E7006 E7996	1MFA7156 1MFA7246 1MFA7006 1MFA7996
		 Oxequip		15 l/min 24 l/min FLUSH Adjustable	E7157 E7247 E7007 E7997	1MFA7157 1MFA7247 1MFA7007 1MFA7997
			 Puritan- Bennett	15 l/min 24 l/min FLUSH Adjustable	E7158 E7248 E7008 E7998	1MFA7158 1MFA7248 1MFA7008 1MFA7998
 Schrader				15 l/min 24 l/min FLUSH Adjustable	E7159 E7249 E7009 E7999	1MFA7159 1MFA7249 1MFA7009 1MFA7999
	 Medstar			15 l/min 24 l/min FLUSH Adjustable	E715M E724M E700M E799M	1MFA715M 1MFA724M 1MFA700M 1MFA799M



E7150



1MFA7150



8MFA7150



1MFA7993

Custom assemblies available upon request.
International specifications, special ratings and colors available upon request.

* Add R after part number for hanger on the right.

Neb Block

Increase Productivity, Time Saver, Preset

Ordering Information



NB6070



1MFA6070VR



1MFA6070



8MFA6070

	Neb Drive	Neb Block (no Flowmeter)	w/Chrome Flowmeter	w/Compact Flowmeter
<p>No Adaptor (1/8 NPT)</p>	6-7 l/min	NB6060	1MFA6060	8MFA6060
	7-8 l/min	NB6070	1MFA6070	8MFA6070
	8-9 l/min	NB6080	1MFA6080	8MFA6080
	10-11 l/min	NB6100	1MFA6100	8MFA6100
	14-16 l/min	NB6150	1MFA6150	8MFA6150
	24-26 l/min	NB6240	1MFA6240	8MFA6240
<p>DISS Female Hex Nut</p>	6-7 l/min	NB6062	1MFA6062	8MFA6062
	7-8 l/min	NB6072	1MFA6072	8MFA6072
	8-9 l/min	NB6082	1MFA6082	8MFA6082
	10-11 l/min	NB6102	1MFA6102	8MFA6102
	14-16 l/min	NB6152	1MFA6152	8MFA6152
	24-26 l/min	NB6242	1MFA6242	8MFA6242
<p>DISS Female Hand Tight</p>	6-7 l/min	NB6063	1MFA6063	8MFA6063
	7-8 l/min	NB6073	1MFA6073	8MFA6073
	8-9 l/min	NB6083	1MFA6083	8MFA6083
	10-11 l/min	NB6103	1MFA6103	8MFA6103
	14-16 l/min	NB6153	1MFA6153	8MFA6153
	24-26 l/min	NB6243	1MFA6243	8MFA6243
<p>DISS Male</p>	6-7 l/min	NB6064	1MFA6064	8MFA6064
	7-8 l/min	NB6074	1MFA6074	8MFA6074
	8-9 l/min	NB6084	1MFA6084	8MFA6084
	10-11 l/min	NB6104	1MFA6104	8MFA6104
	14-16 l/min	NB6154	1MFA6154	8MFA6154
	24-26 l/min	NB6244	1MFA6244	8MFA6244
<p>Ohmeda</p>	6-7 l/min	NB6065	1MFA6065	8MFA6065
	7-8 l/min	NB6075	1MFA6075	8MFA6075
	8-9 l/min	NB6085	1MFA6085	8MFA6085
	10-11 l/min	NB6105	1MFA6105	8MFA6105
	14-16 l/min	NB6155	1MFA6155	8MFA6155
	24-26 l/min	NB6245	1MFA6245	8MFA6245
<p>Chemetron</p>	6-7 l/min	NB6066	1MFA6066	8MFA6066
	7-8 l/min	NB6076	1MFA6076	8MFA6076
	8-9 l/min	NB6086	1MFA6086	8MFA6086
	10-11 l/min	NB6106	1MFA6106	8MFA6106
	14-16 l/min	NB6156	1MFA6156	8MFA6156
	24-26 l/min	NB6246	1MFA6246	8MFA6246
<p>Oxequip</p>	6-7 l/min	NB6067	1MFA6067	8MFA6067
	7-8 l/min	NB6077	1MFA6077	8MFA6077
	8-9 l/min	NB6087	1MFA6087	8MFA6087
	10-11 l/min	NB6107	1MFA6107	8MFA6107
	14-16 l/min	NB6157	1MFA6157	8MFA6157
	24-26 l/min	NB6247	1MFA6247	8MFA6247
<p>Puritan- Bennett</p>	6-7 l/min	NB6068	1MFA6068	8MFA6068
	7-8 l/min	NB6078	1MFA6078	8MFA6078
	8-9 l/min	NB6088	1MFA6088	8MFA6088
	10-11 l/min	NB6108	1MFA6108	8MFA6108
	14-16 l/min	NB6158	1MFA6158	8MFA6158
	24-26 l/min	NB6248	1MFA6248	8MFA6248
<p>Schrader</p>	6-7 l/min	NB6069	1MFA6069	8MFA6069
	7-8 l/min	NB6079	1MFA6079	8MFA6079
	8-9 l/min	NB6089	1MFA6089	8MFA6089
	10-11 l/min	NB6109	1MFA6109	8MFA6109
	14-16 l/min	NB6159	1MFA6159	8MFA6159
	24-26 l/min	NB6249	1MFA6249	8MFA6249
<p>Medstar</p>	6-7 l/min	NB606M	1MFA606M	8MFA606M
	7-8 l/min	NB607M	1MFA607M	8MFA607M
	8-9 l/min	NB608M	1MFA608M	8MFA608M
	10-11 l/min	NB610M	1MFA610M	8MFA610M
	14-16 l/min	NB615M	1MFA615M	8MFA615M
	24-26 l/min	NB624M	1MFA624M	8MFA624M

Custom assemblies available upon request.

International specifications, special ratings and colors available upon request.

* Add V after part number for vertical position.

* Add R after part number for Neb Drive on the right.

Select Flowmeter

Versatile, Time Saving, Eliminates Clutter, Durable

Specifications










Gas	Scale	Increments	Accuracy	Flush Flow
Oxygen	0-15 l/min	.5 l/min from .5 to 5 l/min 1 l/min from 5 to 15 l/min	$\pm .25$ l/min from .5 to 5 l/min $\pm .5$ l/min above 6 to 15 l/min	60-80 l/min

Flowmeters calibrated at 50 PSI, 70°F, standard atmospheric pressure. Specifications are subject to change without prior notice.

Ordering Information



3MFA1001

	Select Flowmeter
No Adaptor (1/8 NPTF)	3MFA1001
 DISS Female Hex Nut	3MFA1002
 DISS Female Hand Tight	3MFA1003
 DISS Male	3MFA1004
 Ohmeda	3MFA1005
 Chemetron	3MFA1006
 Oxequip	3MFA1007
 Puritan-Bennett	3MFA1008
 Schrader	3MFA1009
 Medstar	3MFA100M

Add PTO behind part number for Power Take-Off
International specifications, special ratings and colors available upon request.

Flow Selector

Versatile, Time Saving, Eliminates Clutter, Durable



PM1000



Typical Configuration

EASYPULSEFLOW CONSERVER/FLOWMETER

REDUCE: Oxygen Consumption

ELIMINATE: Wasted Oxygen

SAVE: Money on Medical Oxygen



19MFA1001

The **EasyPulseFlow** conserver/flowmeter is designed to be used with low pressure systems (50-55 psi). It consists of a Thorpe tube flowmeter combined with a conserving module. The clinician is able to choose between Continuous Flow mode or Pulse Dose mode.











In the Continuous Flow mode the flowmeter operates the same as a traditional Thorpe tube flowmeter capable of delivering metered flows from 0 to 15 lpm and up to 24 lpm at flush flow. The outlet connection is the same as a traditional oxygen flowmeter allowing versatility of use.

In the Pulse Dose mode the **EasyPulseFlow** operates as an oxygen conserver. Settings of 1 through 5 are available and supply a similar F_{IO_2} to the patient as continuous flow. The conserving module controls the pulse size and timing to the patient. This reduces the oxygen demand on the system and limits the drying of the airways. The oxygen is supplied to the patient through a 7 ft adult single lumen cannula.

Specifications

Dimensions:	Height: 7.9 in (20.1 cm), Width: 1.9 in (4.8 cm), Length: 2.5 in (6.4 cm)
Weight:	10.4 oz (0.29 kg)
Shipping Weight:	13.6 oz (0.39 kg)
Inlet Pressure Range:	50-55 psi (3.45-3.79 bar)
Pulse Dose Settings:	1, 2, 3, 4 and 5 (Similar F_{IO_2} to Continuous Flow value)
Continuous Flow Range:	0-15 lpm metered (20-24 lpm max flush flow)
Pulse Dose Accuracy:	Within $\pm 15\%$ of the normal bolus value (at each breath rate)
Continuous Flow Accuracy:	± 0.25 lpm from 0.5 lpm up to 5 lpm ± 0.5 lpm from 5 lpm up to 15 lpm
Savings Ratio:	Up to 5.7:1
Trigger Method:	Negative inspiratory effort from patient inhalation
Breathing Frequency:	Up to 35 bpm
Cannula Requirement:	Maximum 7 foot (2.1 m) long standard adult single lumen nasal cannula
Operating Conditions:	35°F to 105°F (1.7°C to 40.6°C)
Storage Conditions:	-40°F to 140°F (-40°C to 60°C) Max Humidity: 95% Non-condensing
Altitude:	Sea level to 10,000 ft (0 to 3,048 m)
Outlet Fitting	9/16-18UNF Male Threaded Fitting

Ordering Information

		EasyPulseFlow			EasyPulseFlow
	No Adaptor (1/8 NPTF)	19MFA1001		Chemetron	19MFA1006
	DISS Female Hex Nut	19MFA1002		Oxequip	19MFA1007
	DISS Female Hand Tight	19MFA1003		Puritan-Bennett	19MFA1008
	DISS Male	19MFA1004		Schrader	19MFA1009
	Ohmeda	19MFA1005		Medstar	19MFA100M

Add PTO behind part number for Power Take-Off

Flowmeter Accessories



DISS "Y" Assemblies with Check Valves

- Part # 7211 Oxygen
- Part # 7212 Air
- Part # 7213 Vacuum
- Part # 7214 Nitrous Oxide
- Part # 7240 Nitrogen



DISS "T" Assemblies with Check Valves

- Part # 7111 Oxygen
- Part # 7112 Air
- Part # 7114 Nitrous Oxide



T-Branch (1/8 NPT Female)

- Part # 7100 T-Branch, Standard
- Part # 7100L/R T-Branch, Offset



Y Block

- Part # 7201 1/8 NPT Female
- Part # 7200 1/4 NPT Female



Hex/Quad Block

- Part # 9051 1/4 NPT Female



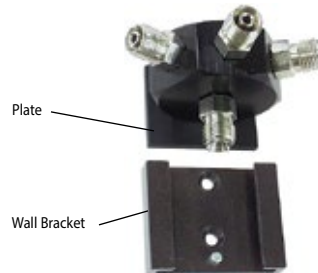
Hex Block

- Part # 7217 Oxygen
- Part # 7218 Air
- Part # 7219 Vac



Quad Block

- Part # 7220 Oxygen
- Part # 7221 Air
- Part # 7222 Vac



Rail Block Assembly

- Part # 7223 Oxygen
- Part # 7224 Air
- Part # 7225 Vacuum



Master Flow Valve

- Part # 7045 1/4 NPTF x 1/4 NPTF
- Part # 7064 1/8 NPTF x 1/8 NPTF



TIMOX Oxygen Timer

- Part # 8050
- Part # 8066 Replacement Battery



1 Way Check Valve

- Part # 508373 O₂, DISS Male x 1/4 NPTM
- Part # 508374 Air, DISS Male x 1/4 NPTM
- Part # 508375 1/4 NPTF x 1/4 NPTM



Pole Clamp

- Part # 7216 Pole Clamp for 1" pole
- Part # 7227 Pole Clamp for 1-1/2" pole

Flowmeter Accessories



Disposable Tubing Nipple

- Part # 0119 Clear
- Part # 0120 Yellow
- Part # 0121 Black
- Part # 0122 White
- Part # 0124 Green



Chain Ring Assembly

- Part # 8004 6 inch Chain w/Closed Ring
- Part # 8005 6 inch Chain w/Open Ring

Reusable Tubing Nipples



O2 Hand Tight, Nipple
Part # 0154



O2 Wing Nut, Nipple
Part # 0158



O2 Hex Nut, Nipple
Part # 0159



O2 Knurled Nut, Nipple
Part # 0159K



O2 Hand Tight, Nipple w/5" chain
Part # 0154C



O2 Wing Nut, Nipple w/5" chain
Part # 0158C



O2 Hex Nut, Nipple w/5" chain
Part # 0159c



O2 Knurled Nut, Nipple w/5" chain
Part # 0159KC

Inlet Fittings

DISS Female
Hex Nut

DISS Female
Hand Tight

DISS Female

Ohmeda

Chemetron

Oxequip

Puritan
Bennett

Schrader

Medstar



	DISS Female Hex Nut	DISS Female Hand Tight	DISS Female	Ohmeda	Chemetron	Oxequip	Puritan Bennett	Schrader	Medstar
O2	0107	0111	0701	2101	3101	5101	4101	6101	8101
Air	0207	0209	0731	2201	3201	5201	4201	6201	8201

International specifications, special ratings and colors available upon request.

Flowmeter Accessories



Air Tag
Part # 1MFA2001-T



Night Check
Part # PM1050



Reusable Humidifier
Part # PM510



Disposable Humidifier
Part # PM500 Case of 50



Endotracheal Tube Holder
Part # PM1110 Box of 10

Specialty Assemblies Available
Call us with your custom assembly requests.



Model	Scale
1MFA10PC	0-15 l/min
1MFA80PC	0-70 l/min

