



April 2010

## Nitrous Systems





## **N<sub>2</sub>O/O<sub>2</sub> Delivery Systems**

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Nitrous Oxide provides safer, quicker and more comfortable dental care.

### **Fear. Anxiety. Pain.**

A visit to the dental office is traditionally ranked as one of the leading fears of people from all walks of life. In many cases, it leads to late or broken appointments that disrupt the operation of your practice.

### **There is a solution.**

#### **Nitrous Oxide.**

Thousands of dentists throughout the world have discovered the benefits of using a nitrous oxide/oxygen gas mixer system from Matrix by Midmark to relax apprehensive patients and drastically minimize any feelings of discomfort.

### **A Matrix N<sub>2</sub>O/O<sub>2</sub> Mixer is simple and safe.**

- It allows your patient to breathe more oxygen while enjoying a remarkable depth of relaxation
- It virtually eliminates the fear, nervousness and tension associated with dental procedures
- Your patient remains in complete control, is conscious and can follow directions
- A built-in, fail-safe in every Matrix mixer guarantees nitrous oxide will not flow unless a minimum concentration of 30% oxygen is flowing

### **And best of all, it makes your practice more efficient and profitable.**

- Patients are more relaxed so you can accomplish more per visit
- You can work in all four quadrants
- Increased productivity means more income for you

Matrix N<sub>2</sub>O Mixer equipment, the first choice of dental professionals throughout the world!

Over four decades ago, Fraser Sweatman developed the technology found exclusively in Matrix N<sub>2</sub>O/O<sub>2</sub> Mixer machines today. Year after year, thousands of dentists have placed their trust in our machines because of our commitment to quality manufacturing and our outstanding service.

### **Matrix Auto-Compensation**

Matrix Digital MDM and MDM are designed with our Auto-Compensation feature which allows you to maintain flow rate when you change gas mixture percentage. Plus, they also maintain percentage when you change flow rate.

### **Matrix Digital MDM®**

The future of conscious sedation. The Digital MDM is the most accurate nitrous oxide/oxygen mixer available! Measure and control rates as low as 0.1 LPM. Plus, it features the Matrix flow and percentage Auto-Compensation.

### **Matrix MDM®**

The only pneumatic mixer with Auto-Compensation to maintain flow rate when you change gas mixture percentage. Also maintains percentage when you change flow rate.

### **Matrix RA®**

The relative analgesia machine designed with a built-in fail-safe that guarantees a minimum delivery of 3 LPM of oxygen at all times.



## Nitrous-Oxide Systems

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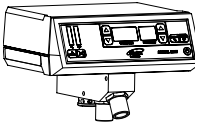
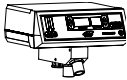



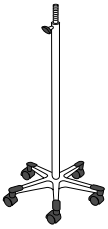

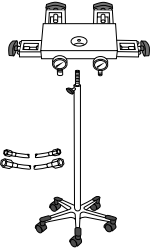

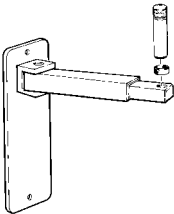

# Digital MDM® - Portable Systems

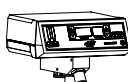


Systems Include:

Order No.

List Price

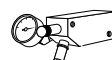
			91525115 Digital MDM mixer head only.	\$3,197
			10060 Digital MDM mixer head with Adult Scavenger and Scavenger Control Valve.	\$3,662
STAND MOUNTED			13060 Mixer with <b>short</b> mobile stand with Adult Scavenger and Scavenger Control Valve.	\$4,127
			14060 Mixer with <b>tall</b> mobile stand with Adult Scavenger and Scavenger Control Valve.	\$4,127
STAND MOUNTED WITH YOKE BLOCK			14460 Mixer with tall mobile stand, Adult Scavenger, <b>4-cyl. yoke block</b> , and 3' DISS x DISS hose assemblies for N <sub>2</sub> O/O <sub>2</sub> with Scavenger Control Valve.	\$6,330
WALL MOUNTED	 15" telescoping arm		18060 Mixer with 15" wall arm and Adult Scavenger with Scavenger Control Valve.	\$4,103



Digital MDM Mixer Head

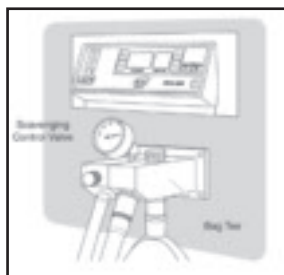


Adult Scavenger



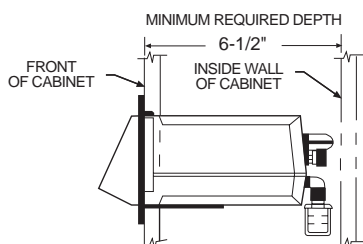
Scavenger Control Valve

# Digital MDM® - Flush Mounted/Countertop Systems

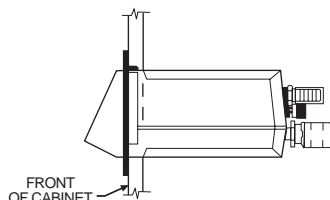


Typical Installation

Order No.	Order No.	Description	Price
91525163	91525238	Flush Mount Digital MDM (Small Bezel) 4-1/4"H x 9-11/16"W x 6-1/2"D	\$5,095
91505112	91505112	For preinstallation the following sub-kits can be ordered separately: <u>Piping Kit</u> (includes supply gas sweat fittings and DISSM hose connections for O <sub>2</sub> & N <sub>2</sub> O, evacuation tubing nipple & installation manual)	\$284
91525166	91525241	<u>Finish Kit</u> (includes templates, flowmeter, remote bag tee, required mount with hardware, hoses to flowmeter, scavenger, breathing bag and finish hardware)	\$4,811



Order No.	Order No.	Description	Price
91525164	91525239	Flush Mount Digital MDM (Large Bezel - fits most industry standard cut-outs) 4-1/4"H x 12-5/8"W x 6-1/2"D	\$5,095
91505112	91505112	For preinstallation the following sub-kits can be ordered separately: <u>Piping Kit</u> (includes supply gas sweat fittings and DISSM hose connections for O <sub>2</sub> & N <sub>2</sub> O, evacuation tubing nipple & installation manual)	\$284
91525167	91525242	<u>Finish Kit</u> (includes templates, flowmeter, remote bag tee, required mount with hardware, hoses to flowmeter, scavenger, breathing bag and finish hardware)	\$4811



Order No.	Order No.	Description	Price
91525165	91525240	Flush Mount Digital MDM (Large Bezel with Oxygen Outlet) 4-1/4"H x 12-5/8"W x 6-1/2"D	\$5,364
91505112	91505112	For preinstallation the following sub-kits can be ordered separately: <u>Piping Kit</u> (includes supply gas sweat fittings and DISSM hose connections for O <sub>2</sub> & N <sub>2</sub> O, evacuation tubing nipple & installation manual)	\$284
91525168	91525243	<u>Finish Kit</u> (includes templates, flowmeter, remote bag tee, required mount with hardware, hoses to flowmeter, scavenger, breathing bag and finish hardware)	\$4,981



Flush Mount with Small Bezel



Flush Mount with Large Bezel



Flush Mount with Large Bezel and Oxygen Outlet





91525135



91525136

91525135



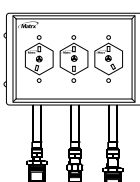
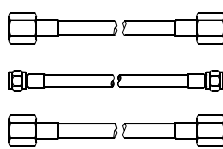

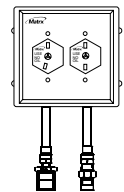
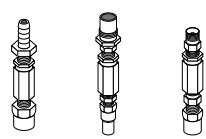
## Remote Bag Tee

Order No.	Description	List Price
91525135	Remote Bag Tee*	\$796
91525136	Swing Arm Assembly for Remote Bag Tee	\$81
77000995	Slide Mount for Remote Bag Tee	\$449
77000962	Replacement Scavenger Valve Knob	\$50

Bag Tee, Swing Arm, Slide Mount and Breathing Bag all sold separately.

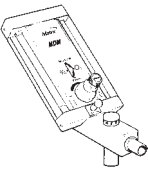



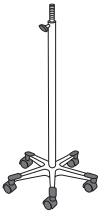
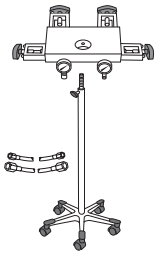
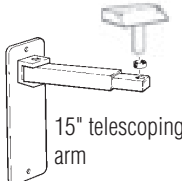
\*Included with all systems that list remote bag tee.

## Flush/Cabinet Installation Accessories

	Order No.	Description	List Price
	91305856	Triple Quick Connect Surface Outlet Station with Brazed-on DISS Male Hose Fittings	\$725
	8003	O <sub>2</sub> DISSF x DISSF Hose	\$121 + \$4/ft.
	8503	N <sub>2</sub> O DISSF x DISSF Hose	\$121 + \$4/ft.
	92305248	Vac DISSF x DISSF Hose	\$113 + \$4/ft.
	<b>Specify hose length in feet when ordering.</b>		
	65911100	Vacuum Hose - NO FITTINGS <b>Please order this hose by the inch.</b>	\$0.35/in.
	91309231	Dual Quick Connect Surface Outlet Station with Brazed-on DISS Male Hose Fittings for O <sub>2</sub> /N <sub>2</sub> O	\$564
	91505112	Supply Gas Piping Kit with DISS Male Hose Connections for O <sub>2</sub> /N <sub>2</sub> O/Vac - includes vac tubing nipple	\$284

## MDM® - Portable Systems



Systems Include:		Order No.	List Price
		94500011 MDM mixer head only.	\$2,802
		20050 MDM mixer head with Adult Scavenger with Scavenger Control Valve.	\$3,267
STAND MOUNTED		23050 Mixer with <b>short</b> mobile stand and Adult Scavenger with Scavenger Control Valve.	\$3,715
		24050 Mixer with <b>tall</b> mobile stand and Adult Scavenger with Scavenger Control Valve.	\$3,715
STAND MOUNTED WITH YOKE BLOCK		24450 Mixer head, tall mobile stand, Adult Scavenger, <b>4-cyl. yoke block</b> and 3' DISS x DISS hose assemblies for N <sub>2</sub> O/O with Scavenger Control Valve.	\$5,829
WALL MOUNTED	 15" telescoping arm	28050 Mixer with 15" telescoping wall arm and Adult Scavenger with Scavenger Control Valve.	\$3,793



MDM Mixer Head



Adult Scavenger

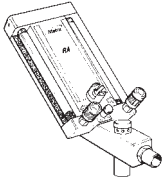
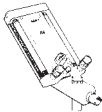
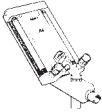


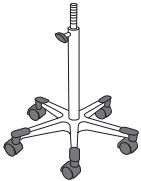
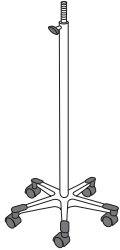
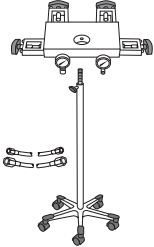
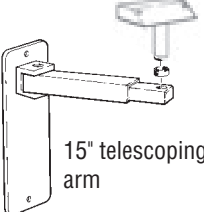


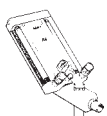
Scavenger Control Valve



# Fraser RA® - Portable Systems



Systems Include:		Order No.	List Price
		94500033 RA Mixer head only.	\$1,730
	  	30050 RA Mixer with Adult Scavenger and Scavenger Control Valve.	\$2,329
STAND MOUNTED		33050 Mixer with short mobile stand and Adult Scavenger with Scavenger Control Valve.	\$2,777
		34050 Mixer with tall mobile stand and Adult Scavenger with Scavenger Control Valve.	\$2,777
STAND MOUNTED WITH YOKE BLOCK		34450 Mixer with tall mobile stand, Adult Scavenger, <b>4-cyl. yoke block</b> and 3' DISS x DISS hose assemblies for N <sub>2</sub> O/O <sub>2</sub> with Scavenger Control Valve.	\$4,898
WALL MOUNTED	 15" telescoping arm	38050 Mixer with 15" telescoping wall arm and Adult Scavenger with Scavenger Control Valve.	\$2,826



RA Mixer Head




Adult Scavenger




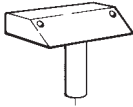


Scavenger Control Valve

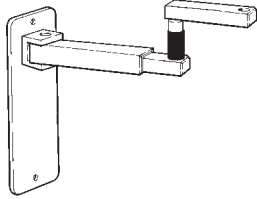
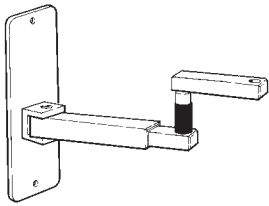
## Wall Arm Mounting Systems



Wall Arms			
	Order No.	Description	List Price
	93505050	3-1/4" Rigid Wall Mount (3" W x 8" H) (for use with top mount bracket only-92505044 see below)	\$251

Telescoping Wall Arms			
	Order No.	Description	List Price
	93505072*	15" Telescoping Wall Arm (plate measures 3" W x 8" H)	\$381

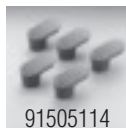
Wall Mount Accessories			
	Order No.	Description	List Price
	92505044	Top Mount Bracket and Stud for MDM®/RA® (Digital MDM®'s and Centurion Mixers™ DO NOT top mount)	\$184
	91505093	Bottom Mount Stud w/Nut	\$70
	92505045	Bottom Mount Stud	\$70
	92505064	Adapter for MDM or RA to Porter (3/4" post) wall arm or stand assembly	\$305
	92505088	Adapter for Porter Head to Matrix wall arm assembly	\$70

Cabinet Mounts			
	Order No.	Description	List Price
	93505090	Cabinet Mount Telescoping Wall Arm w/extension Link for <b>Top Mounted Pneumatic MDM's</b> (mounting plate measures 3" W x 8" H)	\$487
	93505097	Cabinet Mount Telescoping Wall Arm w/extension Link for <b>Bottom Mounted MDM or Digital MDM®</b> (mounting plate measures 3" W x 8" H)	\$487

## Stand Mounts



- Tall stand adjusts 33" - 46"
- Short stand adjusts 18" - 31"
- 19" spider base
- Large swivel casters
- Use with 2- or 4-cyl. yoke block (tall stand only)



Order No.	Description	List Price
91505115	Tall Mobile Stand (adjusts 33" - 46")	\$482
91505116	Short Mobile Stand (adjusts 18" - 31")	\$482
91505113	Conversion Kit (converts 4-leg base to 5-leg base)	\$153
91505114	Replacement End Caps (package of five)	\$12
65928400	Replacement Caster	\$13
65936800	Replacement T Handle	\$23

## Portable System Yoke Blocks – Complete with Hoses and Wrench



94305373

- 4-cylinder yoke blocks
- Feature single stage regulators, 3' DISS x DISS hoses and gauges for nitrous oxide and oxygen cylinder pressure
- For "E" and "D" size cylinders only
- Includes cylinder wrench

Order No.	Description	List Price
94305373	4-cyl. Yoke Assemblies for five leg base ("E" or "D" size)	\$2,366
A-3399-000	"E" or "D" Cylinder Seals	\$2
92505065	Replacement Wrench Assembly	\$21
65932200	Replacement T Handle	\$23
	Yoke assemblies can only be used with tall mobile stands.	

## The Matrx Scavenger System

- Fewer Parts - simpler for you
- Lighter weight - more comfortable for your patient
- Better Performance
- Safe to use - autoclavable and latex-free



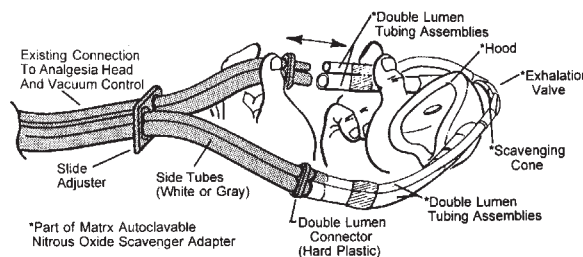
**LATEX-FREE**

The Matrx Scavenger System is designed to deliver the NIOSH recommended scavenging flow rate of 45 LPM at 3 in. Hg.

## Universal Conversion Kit-For Porter/Brown and Accutron Circuits



**LATEX-FREE**



For DynoMite Single-Use Nasal Hoods: Now you can use DynoMite Nasal Hoods on Porter/Brown and Accutron circuits!\*

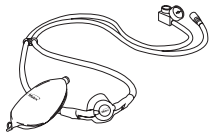


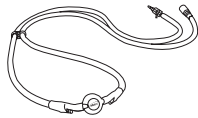



In one easy step, you can convert your existing nitrous breathing circuit to use our popular DynoMite Nasal Hoods. The benefits are clear – DynoMite Nasal Hoods save you money, and protect you and your patient from unnecessary exposure to infectious disease. And best of all, DynoMite Hoods are so comfortable for your patient. You can feel the difference the first time you put one on your nose! Next time you order, ask your dental dealer for the hoods with the colorful dinosaur sticker!

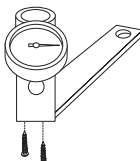
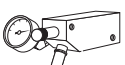


### Universal Conversion Kit

Order No.	Description	List Price
91515142	DynoMite Nasal Hood – Universal Conversion Kit	\$52

\*The Universal Conversion Kit fits most major nitrous oxide/oxygen gas delivery circuits. For a complete list of circuit systems that fit the Universal Conversion Kit call your dental dealer.

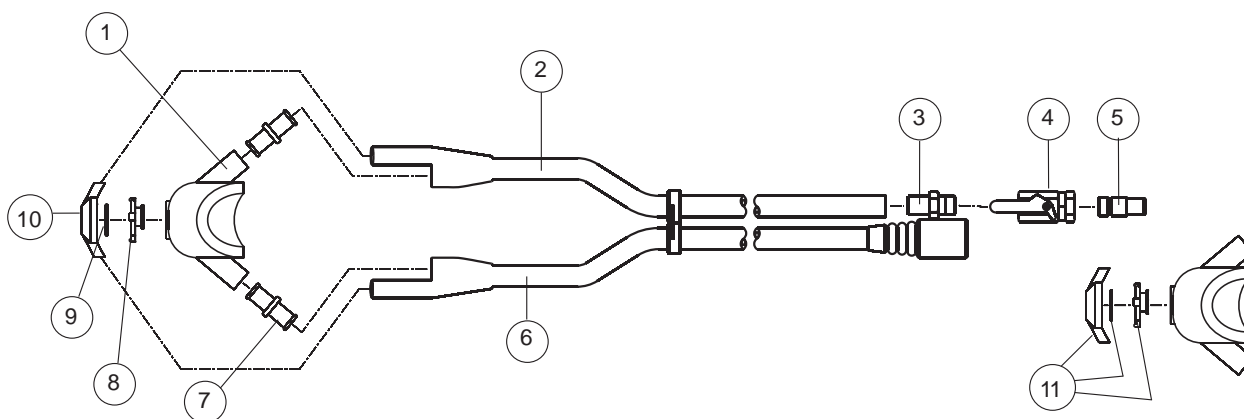
## Scavenging Equipment

Matrx Scavenging Equipment			
	Order No.	Description	List Price
		<b>Matrx Scavenger - W/3-Liter Breathing Bag and Scavenger Control Valve</b>	
	82501	Matrx Scavenger Adult	\$724
	82502	Matrx Scavenger Medium	\$724
	82503	Matrx Scavenger Pediatric	\$724
		<b>Matrx Scavenger - W/3-Liter Breathing Bag</b>	
	82504	Matrx Scavenger Adult	\$495
	82505	Matrx Scavenger Medium	\$495
	82506	Matrx Scavenger Pediatric	\$495
		<b>Matrx Scavenger Assemblies Only</b>	
	91515192	Matrx Scavenger Adult	\$454
	91515193	Matrx Scavenger Medium	\$454
	91515194	Matrx Scavenger Pediatric	\$454
		<b>Matrx Scavenger Without Hood</b>	
	91515197	Matrx Scavenger w/out Hood	\$379
		<b>Autoclavable Nasal Hoods - Matrx Scavenger</b>	
	91515096	Adult Nasal Hood Only	\$74
	91515095	Medium Nasal Hood Only	\$74
	91515094	Pediatric Nasal Hood Only	\$74
		Disposable nasal hoods are available on pages 47-48	
		<b>Quick Connect Vacuum Hose Adapter</b>	
	92515063	Quick Connect Hose For Connecting Scavenger to Vacuum Outlet: Ohio QC x 1/4" NPT	\$83 + \$4/ft.
		<b>Miscellaneous Replacement Parts</b>	
	4100-3NL 4100-2NL	3-Liter Breathing Bag NON-LATEX 2-Liter Breathing Bag NON-LATEX	\$38 \$38

Scavenger Control Valves			
	Order No.	Description	List Price
			
	91515083	For MDM/RA	\$240
	91515084	For Centurion Mixer	\$240
	77000963	Replacement Knob	\$48
	91525109	For Digital MDM	\$240
	77000961	Replacement Knob	\$48
	91515085	With Ohio Quick-Connect Adapter	\$297
	77000963	Replacement Knob	\$48
	91515086	For Cabinet Mounting	\$240
	77000963	Replacement Knob	\$48

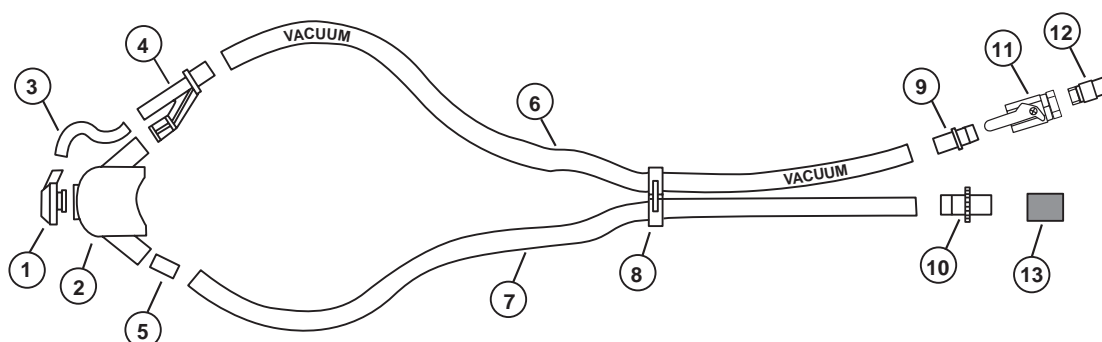
For cabinet mounting installations where a Matrx Quick Connect Outlet Station is used, we recommend the addition of the Ohio Quick Connect Hose (p/n 92515063). 6 feet is recommended.

## Scavenger Parts



### Matrix Scavenger Parts

Order Number	Description	List Price	Order Number	Description	List Price
1 91515094	Small Nasal Hood	\$74	7 91515201	Replacement Hood/Hose Connector (2/pk)	\$22
1 91515095	Medium Nasal Hood	\$74	8 91515207	Replacement Cage Valve	\$37
1 91515096	Large Nasal Hood	\$74	9 91515162	Replacement Non-Breathing Valve (5 pk)	\$12
2 91515202	Replacement Vacuum Tubing	\$97	10 91515208	Replacement Matrix Scavenger Cone	\$48
3 91515158	Replacement Vacuum Nipple (small orifice)	\$24	11 91515177	Replacement Matrix Scavenger Cone Assembly	\$85
4 91515159	Replacement Shut-off Valve	\$58			
5 91515205	Replacement Vacuum Adapter	\$12			
6 91515203	Replacement Gas Tubing w/slide	\$107			



### A.N.S. Scavenger Replacement Parts

Order Number	Description	List Price	Order Number	Description	List Price
1 91515152	A.N.S. Scavenging Cone Assembly	\$85	7 91515155	Fresh Gas Tubing	\$87
2 91515096	Large Nasal Hood	\$74	8 91515161	Slide	\$19
2 91515095	Medium Nasal Hood	\$74	9 91515158	Vacuum Nipple (small orifice)	\$24
2 91515094	Small Nasal Hood	\$74	10 91515156	Fresh Gas Connector	\$12
3 91515160	1.5" Connector Tubing	\$10	11 91515159	Shut-off Valve	\$58
4 91515153	Y-Piece	\$15	12 10059000	Vacuum Adapter	\$12
5 91515157	Hood/Hose Connector	\$12	13 91515151	22mm ID External Fresh Gas Adapter	\$42
6 91515154	Vacuum Tubing	\$87			

# DynoMite

## Single-Use Nitrous Scavenger Hoods

The only scented, single-use nasal hoods that come packaged with a colorful cartoon sticker.

- Put your patient at ease
- Reduce risk of cross infection
- Can help make your practice more profitable
- 4 delicious scents or plain
- Latex-free

**LATEX-FREE**



### DynoMite 24 Pack Decorative Canister

#### Single-Use Nasal Hoods: 24 Pack in Canister

Description	Size	Part Number	Retail
Bubble Gum	Small	91316482	\$96
Bubble Gum	Medium	91316519	\$96
Bubble Gum	Large	91316489	\$96
Strawberry	Small	91316483	\$96
Strawberry	Medium	91316520	\$96
Strawberry	Large	91316490	\$96
Orange	Small	91316484	\$96
Orange	Medium	91316521	\$96
Orange	Large	91316491	\$96
Vanilla	Small	91316485	\$96
Vanilla	Medium	91316522	\$96
Vanilla	Large	91316492	\$96
Plain	Small	91316486	\$96
Plain	Medium	91316523	\$96
Plain	Large	91316493	\$96
Assorted	Small	91316487	\$96
Assorted	Medium	91316524	\$96
Assorted	Large	91316494	\$96
Assorted	Various	91316495	\$96



In one easy step, you can convert your existing nitrous breathing circuit to use our popular DynoMite Nasal Hoods.

#### Universal Conversion Kit

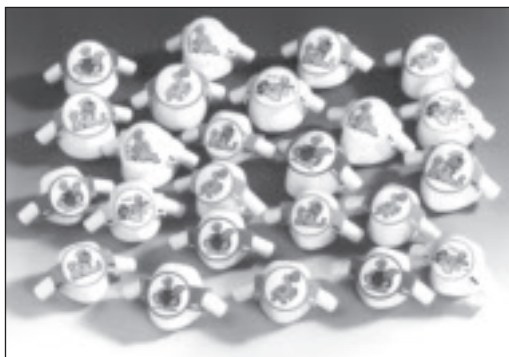
Order No.	Description	List Price
91515142	DynoMite Nasal Hood – Universal Conversion Kit	\$52



**DynoMite  
12 Pack Bag**

## Single-Use Nasal Hoods: 12 Pack Bag

Description	Size	Part Number	Retail
Bubble Gum	Small	91316496	\$43
Bubble Gum	Medium	91316503	\$43
Bubble Gum	Large	91316510	\$43
Strawberry	Small	91316497	\$43
Strawberry	Medium	91316504	\$43
Strawberry	Large	91316511	\$43
Orange	Small	91316498	\$43
Orange	Medium	91316505	\$43
Orange	Large	91316512	\$43
Vanilla	Small	91316499	\$43
Vanilla	Medium	91316506	\$43
Vanilla	Large	91316513	\$43
Plain	Small	91316500	\$43
Plain	Medium	91316507	\$43
Plain	Large	91316514	\$43
Assorted	Small	91316501	\$43
Assorted	Medium	91316508	\$43
Assorted	Large	91316515	\$43
Assorted	Various	91316516	\$43



**DynoMite  
24 Pack Bag**

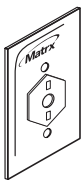
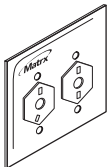
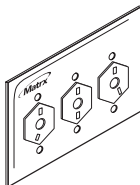
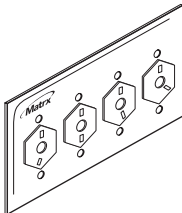
## Single-Use Nasal Hoods: 24 Pack Bag

Description	Size	Part Number	Retail
Bubble Gum	Small	91316461	\$86
Bubble Gum	Medium	91316498	\$86
Bubble Gum	Large	91316475	\$86
Strawberry	Small	91316462	\$86
Strawberry	Medium	91316469	\$86
Strawberry	Large	91316476	\$86
Orange	Small	91316463	\$86
Orange	Medium	91316470	\$86
Orange	Large	91316477	\$86
Vanilla	Small	91316464	\$86
Vanilla	Medium	91316471	\$86
Vanilla	Large	91316478	\$86
Plain	Small	91316465	\$86
Plain	Medium	91316472	\$86
Plain	Large	91316479	\$86
Assorted	Small	91316466	\$86
Assorted	Medium	91316473	\$86
Assorted	Large	91316480	\$86
Assorted	Various	91316481	\$86



## Outlet Stations

### Recessed Ohio Quick Connect Outlet Stations

	Order No.	Description	Dimensions (H x W)	List Price
	91309146	Single Oxygen (O <sub>2</sub> ) QC	4-1/2" x 2-3/4"	\$275
	91309147	Single Nitrous Oxide (N <sub>2</sub> O) QC	4-1/2" x 2-3/4"	\$275
	91309148	Single Vacuum QC	4-1/2" x 2-3/4"	\$275
	91309232	Single WAGD QC	4-1/2" x 2-3/4"	\$275
	91309150	Dual N <sub>2</sub> O/O <sub>2</sub> QC	4-1/2" x 4-5/8"	\$430
	91309151	Triple N <sub>2</sub> O/O <sub>2</sub> /Vacuum QC	4-1/2" x 6-1/2"	\$633
	91309234	Triple N <sub>2</sub> O/O <sub>2</sub> /WAGD QC	4-1/2" x 6-1/2"	\$633
	91309153	Quad N <sub>2</sub> O/O <sub>2</sub> /Vacuum/Nitrogen QC*	4-1/2" x 8-1/4"	\$907
	91309235	Quad N <sub>2</sub> O/O <sub>2</sub> /WAGD/Nitrogen QC*	4-1/2" x 8-1/4"	\$907

\*NOTE: N<sub>2</sub>O/O<sub>2</sub>/VAC are QC, Nitrogen is DISS


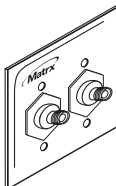
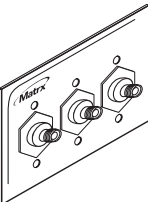


#### Matrx Outlet Stations

The connection between the Digital MDM, MDM or RA and Manifold and Alarm System.

Available as either a surface or recessed mount outlet station, they feature inlet stem indexing to prevent the crossing of any gases when connected to Ohio Quick Connect or DISS hoses.


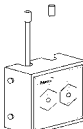
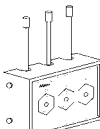
### Recessed DISS Outlet Stations

	Order No.	Description	Dimensions (H x W)	List Price
	91309163	Single Oxygen (O <sub>2</sub> ) DISS	4-1/2" x 2-3/4"	\$303
	91309164	Single Nitrous Oxide DISS	4-1/2" x 2-3/4"	\$303
	91309169	Single Vacuum DISS	4-1/2" x 2-3/4"	\$303
	91309236	Single WAGD DISS	4-1/2" x 2-3/4"	\$303
	91309171	Dual N <sub>2</sub> O/O <sub>2</sub> DISS	4-1/2" x 4-5/8"	\$467
	91309237	Dual O <sub>2</sub> /WAGD DISS	4-1/2" x 4-5/8"	\$467
	91309172	Triple N <sub>2</sub> O/O <sub>2</sub> /Vacuum DISS	4-1/2" x 6-1/2"	\$706
	91309238	Triple N <sub>2</sub> O/O <sub>2</sub> /WAGD DISS	4-1/2" x 6-1/2"	\$706

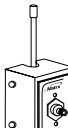
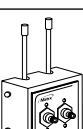
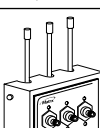
\* Nitrogen outlets are available in DISS (Diameter Indexed Safety System) only.

## Outlet Stations



### Surface Ohio Quick Connect Outlet Stations

	Order No.	Description	Dimensions (H x W x D)	List Price
	91309154	Single Oxygen (O <sub>2</sub> ) QC	4-3/4" x 3" x 2-3/4"	\$317
	91309155	Single Nitrous Oxide (N <sub>2</sub> O) QC	4-3/4" x 3" x 2-3/4"	\$317
	91309156	Single Vacuum QC	4-3/4" x 3" x 2-3/4"	\$317
	91309239	Single WAGD QC	4-3/4" x 3" x 2-3/4"	\$317
	91309158	Dual N <sub>2</sub> O/O <sub>2</sub> QC	4-3/4" x 5" x 2-3/4"	\$507
	91309240	Dual O <sub>2</sub> /WAGD QC	4-3/4" x 5" x 2-3/4"	\$507
	91309159	Triple N <sub>2</sub> O/O <sub>2</sub> /Vacuum QC	4-3/4" x 6-1/4" x 2-3/4"	\$714
	91309241	Triple N <sub>2</sub> O/O <sub>2</sub> /WAGD QC	4-3/4" x 6-1/4" x 2-3/4"	\$714




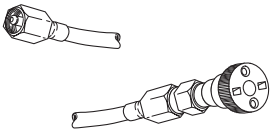
### Surface DISS Outlet Stations

	Order No.	Description	Dimensions (H x W x D)	List Price
	91309175	Single Oxygen (O <sub>2</sub> ) DISS	4-3/4" x 3" x 2-3/4"	\$329
	91309176	Single Nitrous Oxide (N <sub>2</sub> O) DISS	4-3/4" x 3" x 2-3/4"	\$329
	91309177	Single Vacuum DISS	4-3/4" x 3" x 2-3/4"	\$329
	91309243	Single WAGD DISS	4-3/4" x 3" x 2-3/4"	\$329
	91309179	Dual N <sub>2</sub> O/O <sub>2</sub> DISS	4-3/4" x 5" x 2-3/4"	\$533
	91309183	Dual O <sub>2</sub> /Vac DISS	4-3/4" x 5" x 2-3/4"	\$533
	91309183	Dual O <sub>2</sub> /WAGD DISS	4-3/4" x 5" x 2-3/4"	\$533
	91309180	Triple N <sub>2</sub> O/O <sub>2</sub> /Vacuum DISS	4-3/4" x 6-1/4" x 2-3/4"	\$775
	91309245	Triple N <sub>2</sub> O/O <sub>2</sub> /WAGD DISS	4-3/4" x 6-1/4" x 2-3/4"	\$775


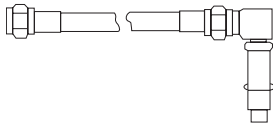

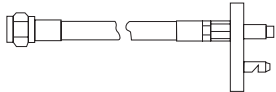


### Surface Mount Outlet Stations for Cabinet/Flush Installation

 	Order No.	Description	List Price
	91305856	Triple Quick Connect Outlet Station with Brazed on DISS Male Hose Fittings for O <sub>2</sub> /N <sub>2</sub> O/Vac (For use with Supply Gas Piping Kit #91505112-see page 30)	\$725
	91309231	Dual Quick Connect Outlet Station with Brazed on DISS Male Hose Fittings for O <sub>2</sub> /N <sub>2</sub> O (For use with Supply Gas Piping Kit #91505112-see page 30)	\$725
	91305857	Dual Quick Connect Outlet Station with Brazed on DISS Male Hose Fittings for O <sub>2</sub> /Vac (For use with Supply Gas Piping Kit #91505112-see page 30)	\$725

\*Nitrogen outlets are available in DISS (Diameter Indexed Safety System) only.

Matrx Hoses				
	Order No.	Description	Gas	List Price*
	92305126	Ohio Male Quick Connect	Oxygen	\$83 + \$4/ft.
	92305127	Ohio Quick Connect Male X DISS Female	Nitrous Oxide	\$83 + \$4/ft.
	92515063	Ohio Quick Connect Male X 1/4 NPT*	Vacuum	\$83 + \$4/ft.
	92305110	DISS (Diameter Indexed Safety System) x DISS	Oxygen	\$67 + \$4/ft.
	92305111	DISS Female X DISS Female	Nitrous Oxide	\$67 + \$4/ft.
	92305248	DISS Female X DISS Female	Vacuum	\$67 + \$4/ft.
	92305288	DISS Hand-I-Twist	Oxygen	\$83 + \$4/ft.
	92305289	DISS Hand-I-Twist Female X DISS Female	Nitrous Oxide	\$83 + \$4/ft.
	92515064	DISS Hand-I-Twist Female X 1/4 NPT**	Vacuum	\$83 + \$4/ft.
	92305118	Ohio Female Quick Connect	Oxygen	\$190 + \$4/ft.
	92305119	DISS Female X Ohio QC Female	Nitrous Oxide	\$190 + \$4/ft.
	92305353	DISS Female X Ohio QC Female	Vacuum	\$190 + \$4/ft.

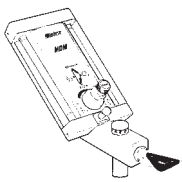




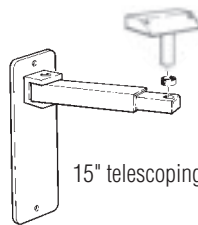



\*Specify Hose Length Matrx hoses are custom made to order. Please specify hose length (in feet) when placing your order.

Hose Identification Chart			
	Ohio (Matrx) DISS Female x Ohio Quick Connect Male 92305126 (O <sub>2</sub> ) \$83 + \$4/ft. 92305127 (N <sub>2</sub> O) \$83 + \$4/ft.		Oxequip DISS Female x Oxequip Male 8045 (O <sub>2</sub> ) \$354 + \$4/ft. 8545 (N <sub>2</sub> O) \$354 + \$4/ft.
	Puritan (Fraser Harlake) DISS Female x Puritan Male 8025 (O <sub>2</sub> ) \$159 + \$4/ft. 8525 (N <sub>2</sub> O) \$159 + \$4/ft.		
	Chemetron (NCG) DISS Female x NCG Male 8015 (O <sub>2</sub> ) \$236 + \$4/ft. 8515 (N <sub>2</sub> O) \$236 + \$4/ft.		Hand-I-Twist DISS Female x Hand-I-Twist DISS Female 92305288 (O <sub>2</sub> ) \$83 + \$4/ft. 92305289 (N <sub>2</sub> O) \$83 + \$4/ft.
	Schrader DISS Female x Schrader Male 8035 (O <sub>2</sub> ) \$135 + \$4/ft. 8535 (N <sub>2</sub> O) \$135 + \$4/ft.		

## Systems Include:

## Order No.

## List Price

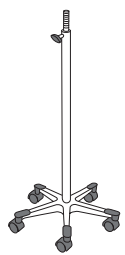



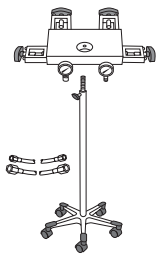



WALL MOUNTED			<b>50007</b> Mixer head with "Y" Selector Valve.	\$3,635
		  	<b>20057</b> Mixer head with "Y" Selector Valve and Adult Scavenger with Scavenger Control Valve.	\$4,287
	 15" telescoping arm	  	<b>28057</b> Mixer with 15" telescoping wall arm and Adult Scavenger with Scavenger Control Valve.	\$4,633

All systems include a Directional "Y" Selector Valve and Surgical Rubber Goods including hank's elbow with pop-off, universal female adapter, 40" corrugated breathing tube, one adult face mask and one child face mask.

## Systems Include:

## Order No.

## List Price

STAND MOUNTED		  	<b>24057</b> Mixer head with tall mobile stand and Adult Scavenger with Scavenger Control Valve.	\$4,462
		  	<b>24457</b> Mixer head with tall mobile stand, Adult Scavenger, <b>4-cyl. yoke block</b> , and 3' DISS x DISS hose assemblies for N <sub>2</sub> O/O <sub>2</sub> with Scavenger Control Valve.	\$6,665

All systems include a Directional "Y" Selector Valve and Surgical Rubber Goods including hank's elbow with pop-off, universal female adapter, 40" corrugated breathing tube, one adult face mask and one child face mask.



MDM Mixer Head



Adult Scavenger



Scavenger Control Valve

## Surgery Machine Accessories

Order No.	Description	List Price
91525191	Directional "Y" Selector Valve (slide-on fitting) w/surgical rubber goods includes: directional "Y" selector valve, hank's elbow with pop-off, universal female adapter, 40" corrugated breathing tube, one adult and one child face mask.	\$938
94525192	A-Directional "Y" Selector Valve Only	\$522
91315079	B-Universal Female Adapter	\$77
91315091	C-Straight Mask Adapter	\$77
91315293	D-Hank's Elbow	\$111
91315092	E-Hank's Elbow with Pop-Off	\$232
1597	F-Non-Rebreathing Valve – w/positive pressure thumb button and adjustable release valve	\$511
93316426	G-Child Face Mask	\$36
93316427	G-Adult Face Mask	\$36
4200	H-40" Corrugated Breathing Tube	\$56
92316018	12" Corrugated Breathing Tube	\$60
91316043	I-3-Liter Breathing Bag	\$44

**Note:** for additional information on Scavengers, Scavenger Control Valve and Rubber Goods, see page 44.

"Y" selector valves with threaded mixed gas fittings are available. Contact customer service for ordering information.

## Scavenger Control Valves

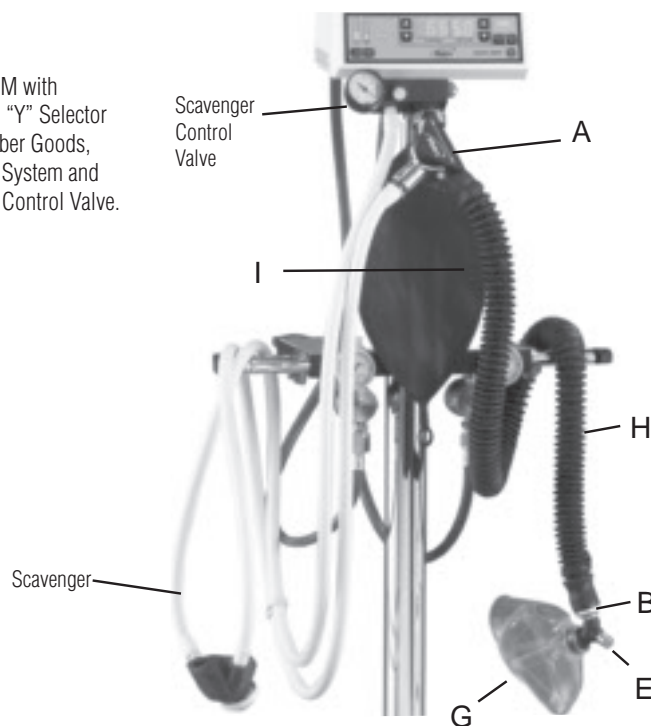
91515083	For MDM®/RA®	\$240
91525109	For Digital MDM®	\$240
91515084	For Centurion™	\$240
91515085	With Ohio Quick Connect Adapter	\$297

Replacement Knobs are available on page M-11.



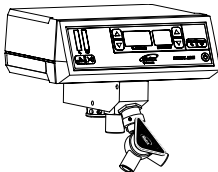


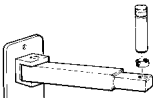
91525191

Digital MDM with Directional "Y" Selector Valve, Rubber Goods, Scavenger System and Scavenger Control Valve.

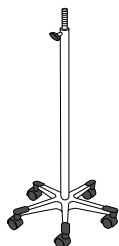

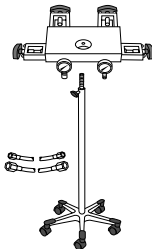



## Digital MDM® Oral Surgery Systems

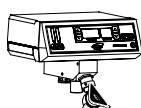


Systems Include:		Order No.	List Price
		40007 Mixer head with "Y" Selector Valve.	\$4,034
		10067 Mixer head with "Y" Selector Valve and Adult Scavenger with Scavenger Control Valve.	\$4,499
 15" telescoping arm		18067 Mixer with 15" telescoping wall arm and Adult Scavenger with Scavenger Control Valve.	\$4,925

All systems include a Directional "Y" Selector Valve and Surgical Rubber Goods including hank's elbow with pop-off, universal female adapter, 40" corrugated breathing tube, one adult face mask and one child face mask.

	Systems Include:	Order No.	List Price	
STAND MOUNTED			14067 Mixer head with tall mobile stand and Adult Scavenger with Scavenger Control Valve.	\$4,966
STAND MOUNTED WITH YOKE BLOCK			14467 Mixer head with tall mobile stand, Adult Scavenger, <b>4-cyl. yoke block</b> , and 3' DISS x DISS hose assemblies for N <sub>2</sub> O/O <sub>2</sub> with Scavenger Control Valve.	\$7,104

All systems include a Directional "Y" Selector Valve and Surgical Rubber Goods including hank's elbow with pop-off, universal female adapter, 40" corrugated breathing tube, one adult face mask and one child face mask.



Digital MDM Mixer Head



Adult Scavenger



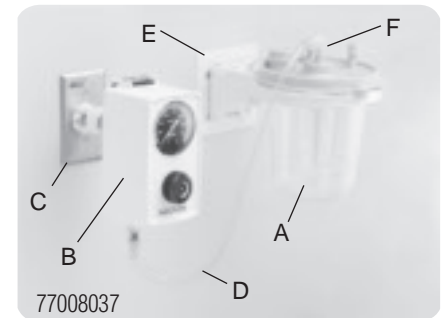
Scavenger Control Valve

## PowerMax - Surgical Vacuums



### Surgical Accessories

Order No.	Description	List Price
77008037	Surgical Operatory Recovery Room Package (Includes all parts listed below)	\$1301
91120152	A Pkg. of Five Disposable Canisters (1200 cc)	\$82
77008038	B DISS Free Flow Regulator	\$857
91309169	C Matrix by Midmark Outlet Station: Vacuum DISS	\$303
77000192	D Conductive Tubing – 6 ft	\$51
77000689	E Vacuum Slide and Ring	\$28
65965600	F Replacement Elbow	\$2










Surgical Operatory Recovery  
Room Package

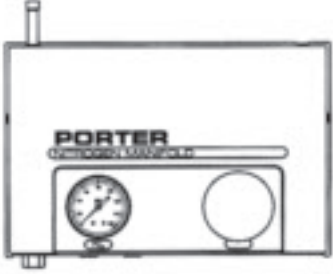
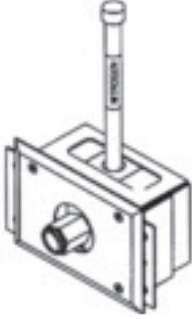
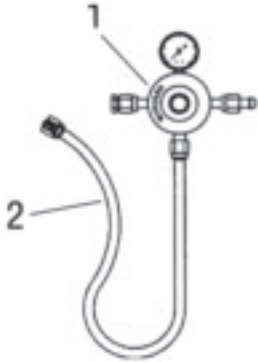
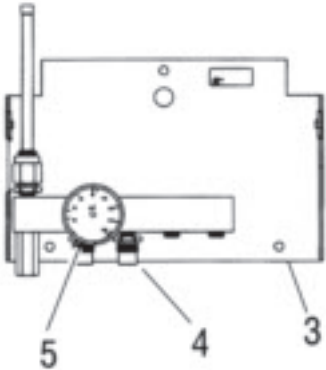
### Quick Connect Replacement Accessories

77000690	Quick Connect Free Flow Regulator	\$836
91309148	Matrix by Midmark Outlet Station: Vacuum QC	\$275

### Matrix Nitrogen Accessories

	Description	Order No.	List Price
	Nitrogen High-Pressure Hose Assembly DISS x DISS Check Assembly – 2' standard	77000202	\$649
	Nitrogen DISS Adapter – DISS x 1/4" NPT	77000205	\$85
	Nitrogen Primary/Secondary Check Valve DISS x 1/4" NPT	77000203	\$383
	Adapter – DISS Hand-I-Twist x Schrader for Halls Drill (Female Quick Connect) (Includes 77005108 Schrader x 1/4 MPT fitting)	77000296	\$373
	Adapter – DISS Hand-I-Twist x Schrader for Halls Drill	77000204	\$373
	Adapter – DISS Hand-I-Twist x 3M for Striker Drill (FQC) (Includes 77005081 Striker x 1/4 MPT fitting)	77000297	\$180
	Tank Restraints for 2 Cylinders	77000285	\$132

## Nitrogen Equipment

	Order No.	Description	List Price
	8201	Nitrogen Manifold System Includes one regulator & one 3ft. hose	\$1,918.00
	8202	Nitrogen Manifold System Includes two regulators & two 3ft. hoses	\$2,453.00
	8203	Nitrogen Manifold System Includes three regulators & three 3ft. hose	\$2,987.00
	6400-1	Nitrogen Outlet Station Nitrogen DISS Fitting with Check Valve	\$532.00
 	<b>PARTS ONLY</b>		
	1. 7400-1	Nitrogen Regulator Only	\$418.00
	2. 8803	Nitrogen Hose, diss/diss, 3ft. Note: Stock number listed is for 3 ft. Last digit indicates length. Example: 8805 hose N2, diss/diss=5ft. long	\$120.00
	3. 8200	Nitrogen Manifold Only	\$1,449.00
	4. PA-1140-000	Nitrogen Check Valve Assy.	\$84.00
	5. PA-1143-000	Nitrogen Gauge	\$65.00



## Oxygen Therapy Supplies



### Oxygen Therapy

Order No.	Description	List Price
<b>Oxygen Flowmeter Kits</b>		
91350404	Oxygen Flowmeter, Ohio Quick Connect Adapter and Oxygen Tubing Barbed Adapter	\$199
91350408	Oxygen Flowmeter, DISS Female Adapter and Oxygen Tubing Barbed Adapter	\$199
\$195 65918900	Oxygen Tubing Barbed Adapter, DISS Female x Hose Barb	\$77
65918800	Oxygen Flowmeter	\$133
91318129	Quick Connect Adapter, 1/8" MPT x Ohio Male Quick Connect	\$87
91350409	DISS Female x 1/8" MPT Adapter	\$87



### Oxygen Therapy Meters and Oxygen Resuscitation Parts

Order No.	Description	List Price
A-3919-000	O2 Flowmeter 0-8 Liter with Porter Connector	\$175.00
A-3919-001	O2 Flowmeter with diss connection	\$116.00
A-1675	Porter O2 diss/Quick Connect	\$98.00
1560-1	Regulator and Yoke w/diss Male Connection	\$456.00
1566-1	Regulator and Yoke w/Porter Imperial Connection	\$456.00



### Oxygen therapy Finger Tip Pulse Oximeter

Order No.	Description	List Price
1500PO	Finger Tip Pulse Oximeter w/ Carrying Case and Belt Loop	\$210.00

## Oxygen Resuscitation System



	Order No.	Description	List Price
	1536-1	Positive Pressure/Demand Valve with Universal Mask; 10 foot Hose; Mobile Cart; Regulator and Yoke; and Porter Connection	\$1071.00
<p>The Porter/O-TWO Demand Valve Resuscitator provides a fast, simple and effective means to ventilate non-breathing patients and provides 100% oxygen on Demand.</p> <p>Designed to meet tortvar</p>			
	Order No.	Description	List Price
	1538	Mobile Cart Only (Tank not included)	\$174.00
	1506-1	Positive Pressure/Demand Valve with Universal Mask, 10 foot hose and Porter Connection	\$623.00
	1506-1M	Positive Pressure/Demand Valve with Universal Mask, 10 foot hose and Ohio Medical (Matrx) Connection	\$623.00

### Serial Number ranges that will be repaired

<b>Porter Models 2000 or 3000</b> SN: 69000 and Higher Manufactured 1990 <b>\$ 850.00</b>	<b>Porter Models 1000 or 1100</b> SN: 23000 and Higher Manufactured 1990 <b>\$ 850.00</b>	<b>Matrx Models MDM</b> SN: 24000 and Higher Manufactured 1990 <b>\$ 850.00</b>	<b>Matrx Models RA</b> SN: 10000 and Higher Manufactured 1990 <b>\$ 850.00</b>
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These prices will remain in effect until January 1, 2011 at which time

New Catalogs with the price increase will be available

**Flowmeters with serial numbers below the listed ranges will be considered  
for a trade-in value of \$ 400.00 off retail price for flowmeters only**

**OR**

**\$ 600.00 off retail price for flowmeter packages.**

**Contact your local Dealer or PRSales rep for trade-in details.**

### Flowmeter repairs include:

Replacement of bellofram (failsafe seals) and poppet with in the failsafe, all internal o-rings, tube seats, O2 & N2O control valves, gaskets for both O2 & N2O blocks, inlet fitting filters.

On/off switch piston, flow tubes and tube covers, flush valve, seal spindles, gas inlet fittings and mounting fittings will be replaced (if needed), and piston cavity will be cleaned. The O2 quick connect and O2 flush valves flows will be checked and adjusted or replaced if needed. A dated quality certification acceptance sticker will be applied onto the meters.

### All repairs come with a 6 month warranty

**Before returning any products to Porter please obtain a Return  
Authorization and have your Purchase Order # ready.**

