

Digital MDM®

Digital MDM® is the only proven digital mixer. It features the Matrx flow and percentage Auto-Compensation and is so accurate that it will measure and control flow rates as low as 0.1 lpm. Plus, its unique flat screen flowmeter is made to allow for optimal asepsis control. The Digital MDM is available in portable (stand) mount, wall mount, counter top and flush (cabinet) mount configurations.

Digital MDM® Specificati	ons
Standard Head Dimensions: (H x W x D)	5.5"(14cm) x 8"(20.3cm) x 10"(25.4cm)
Portable Stand Dimensions: Overall Height Tall Stand: Overall Height Short Stand: Stand Width at Base:	50"(127cm) max 40"(101.6cm) min. 35"(88.9cm) max 25"(63.5cm) min. 22"(55.9cm)
Flush Mount Dimensions (H x W x D) W/Small Bezel W/Large Bezel W/Large Bezel & O ₂ Outlet	4.25"(10.8cm) x 9.7"(24.6cm) x 6.5"(16.5cm) 4.25"(10.8cm) x 12.6"(32cm) x 6.5"(16.5cm) 4.25"(10.8cm) x 12.6"(32cm) x 6.5"(16.5cm)
Weight of Standard Head	6 pounds (2.7 kg)
Mixed Gas Outlet Diameter	15mm ID / 22mm OD nominal
Oxygen Inlet	Male DISS (CGA-1240)
Nitrous Oxide Inlet	Male DISS (CGA-1040)
Inlet Pressure (Each Gas)	50-55 psi
Oxygen Mix Ratio Range	30% - 100%
Flow Range Maximum	9.9 lpm
Oxygen Flow Range	1 - 9.9 lpm
Nitrous Oxide Flow Range	0 - 7 lpm
Input Supply Voltage	115 VAC nominal*
Line Frequency	60 Hertz*



Flush Mount Unit

Patent D451 596

(Matrx

Auto-Compensation Feature

^{*}International models also available



Product Features	Oxygen fail-safe	Minimum concentration of 30% oxygen	Auto inta
Digital MDM®	•	10 m/m • male	
Fraser MDM®	•	•	
Fraser RA®	•		
	If the oxygen supply is interrupted or inadvertently cut off, the flow of nitrous oxide will	Will not provide oxygen concentration below 30%.	If the the b bag a
	immediately discontinue.		the ai

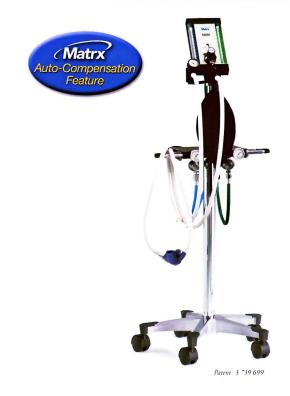
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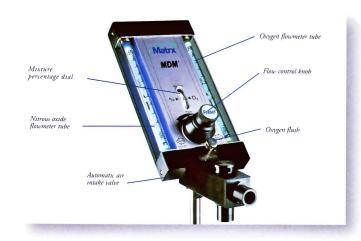
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Fraser MDM®

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. Available in portable (stand) mount, wall mount and under counter mount configurations.

Fraser MDM [®] Specifications				
Standard Head Dimensions: (H x W x D)	9.75"(24.8cm) x 5"(12.7cm) x 12.5"(31.8cm)			
Portable Stand Dimensions: Overall Height - Tall Stand Overall Height - Short Stand Stand Width at Base	54"(137.2cm) max 44"(111.8cm) min. 39"(99.1cm) max 29"(73.7cm) min. 22"(55.9cm)			
Flush Mount Dimensions: (H x W x D)	12.75"(32.4cm) x 6.25"(15.9cm) x 6"(15.2cm)			
Weight of Standard Head	7 lbs. (3.2kg)			
Weight of Flush Mount Head	14 lbs. (6.4kg)			
Mixed Gas Outlet Diameter	15mm ID / 22mm OD nominal			
Oxygen Inlet	Male DISS (CGA-1240)			
Nitrous Oxide Inlet	Male DISS (CGA-1040)			
Inlet Pressure (Each Gas)	50-55 psi			
Oxygen Mix Ratio Range	30% - 100%			
Oxygen Flow Range	1 - 10 lpm			
Nitrous Oxide Flow Range	1 - 10 lpm			





natic air e valve	Non- rebreathing circuit	Auxiliary oxygen outlet	D.I.S.S. gas connections	Oxygen	ı flush	Five-leg base	Flow Auto- Compensa
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ontents of athing depleted, ntake tomatically p provide t to the	A check valve in the mixed gas outlet protects the patient from rebreathing exhaled gases.	An outlet is provided for the attachment of the optional "3-in-1" Demand Valve Resuscitator.	Gas connections conform to the industry standard diameter indexed safety system (D.I.S.S.)	An integrated oxygen flush button conveniently located on the front of the unit provides an immediate increase in oxygen flow to the reservoir bag.	The mixer automatically delivers 100% oxygen during flush by electronically discontinuing the flow of nitrous oxide.	For added stability, all portable units come with a five- leg base.	The first gas a technology the maintains flow when you change a maintains per age when you change flow a

Fraser RA®

The relative analgesia machine designed with a built-in fail-safe that guarantees a minimum delivery of 3 lpm of oxygen. Available in portable (stand) mount, wall mount and under counter mount configurations.

RA® Specifications	March Sylves And Solve Bik
Standard Head Dimensions: (H x W x D)	9.75"(24.8cm) x 5"(12.7cm) x 12.5"(31.8cm)
Portable Stand Dimensions: Overall Height Tall Stand: Overall Height Short Stand: Stand Width at Base:	54"(137.2cm) max 44"(111.8cm) min. 39"(99.1cm) max 29"(73.7cm) min. 22"(55.9cm)
Weight of Standard Head	7 lbs. (3.2 kg)
Mixed Gas Outlet Diameter	15mm ID / 22mm OD nominal
Oxygen Inlet	Male DISS (CGA-1240)
Nitrous Oxide Inlet	Male DISS (CGA-1040)
Inlet Pressure (Each Gas)	50-55 psi
Oxygen Flow Range	3 - 10 lpm
Nitrous Oxide Flow Range	0 - 7 lpm





tion	Mixture Percentage Auto- Compensation	Built-in pressure or flow compensation	Audible and visual alarm system			
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nixer at nge d cent- ate.	The first gas mixer technology that maintains percentage when you change flow rate and maintains flow rate when you change gas mix- ture percentage.	Prevents variation in mixture should either gas "supply" pressure fluctuate while the unit is in use.	Has a complete alarm package featuring Oxygen/Nitrous Oxide Supply Failure Alarms, 1 Ipm Oxygen Limit Alarm, and a Flush Flow Low Alarm.			

Wall Mount Options











Over 45 years ago, Fraser Sweatman pioneered the technology used for safe delivery of nitrous oxide and oxygen sedation.

Now, as Matrx by Midmark, that same vision and innovation keeps us a leader in the field of nitrous oxide/oxygen delivery as evidenced by the development and production of the New Digital MDM, the third generation of Matrx electronic mixers.

The Nitrous Oxide Advantage

- Attract patients by offering safe, effective, pain management
- Save time rapid onset and recovery
- Save money patients are less anxious resulting in fewer cancelled appointments
- Able to titrate drug to allow precise and incremental control of delivery with no waste
- Relaxed patients remain fully conscious and able to respond to directions
- Easy to administer and control

The Matrx Advantage

- Matrx owns the first patent issued on a percentage mixer
- Matrx MDM® and Digital MDM® flowmeters are designed for titration
- Matrx is the first ISO-9001 certified manufacturer of nitrous oxide delivery systems for the dental industry
- For over 45 years, Matrx has been a leader in dental equipment research and technology