



## INHALATION SEDATION DELIVERY SYSTEMS

Recent studies show that dental anxiety remains high: nearly half of patients who have visited a dentist are classified as having moderate or extreme anxiety. Treating highly anxious patients is also a significant source of stress for dental practitioners, and explains why pain and anxiety management is fundamental to dentistry today.



Inhalation conscious sedation using nitrous oxide and oxygen is one of the most successful techniques available for dealing with this apprehension, not only in dentistry but in many other medical situations that cause anxiety, such as visits to the emergency department, obstetrics and minor surgical interventions. It is also highly acceptable to the patient. Matrix by Parker systems provide the safety, ease of use and reliability required to administer nitrous oxide/oxygen sedation, and help to create a stress-free environment which benefits both the patient and the practitioner.

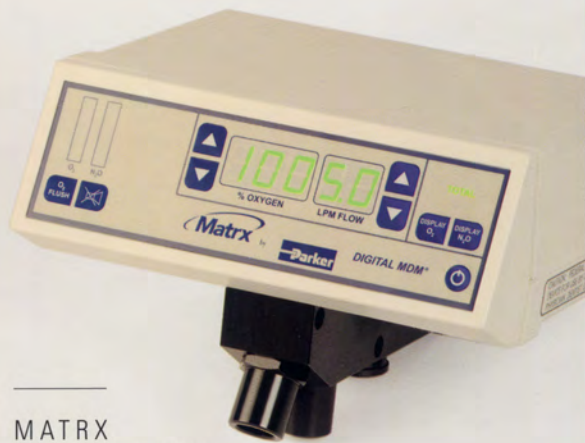
[www.porterinstrument.com](http://www.porterinstrument.com)



MATRIX  
MDM

Matrix inhalation sedation delivery systems can be mobile and self-contained, with a 4-cylinder yoke block for 2 pin-index E size cylinders of each gas, designed for maximum safety and stability. Alternatively the mixer can be mounted on a wall arm or flush (cabinet) mount, with a central gas supply system, or on a purpose-built trolley for larger cylinders.

MATRIX DIGITAL MDM  
COMPLETE MOBILE SYSTEM



MATRIX  
DIGITAL MDM

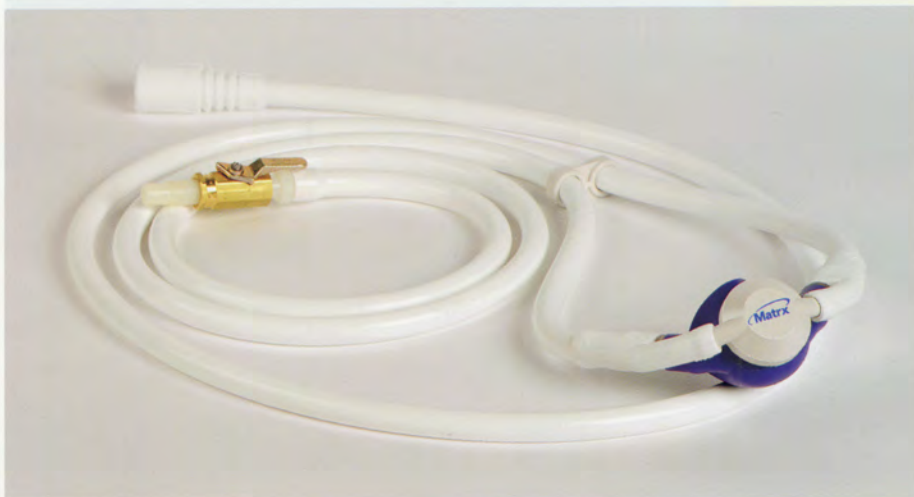
Now part of the Parker-Porter Instrument Co, the Matrix Digital MDM and the MDM are made to the highest manufacturing standards, and meet the most stringent US and international certifications. Both provide Auto-Compensation, the simplest way to titrate (as recommended by the Council of European Dentists), which eliminates calculations, since the flow rate and the mixture percentage controls are independent – changing one does not alter the other.

The Matrix scavenger circuit, which is fully autoclavable, delivers the gas to the patient via a reusable nosepiece available in three sizes. The exhalation line is connected to the central suction on the dental unit to remove exhaled gases. DynoMite scented single use nasal hoods can be used with this circuit, which are particularly popular with children. An optional scavenging control valve is available to assure proper vacuum levels.



MATRIX  
MDM

The Digital MDM provides visual and audible alarms, optimal asepsis control, superior accuracy, and a modern compact design, as well as all the security features found on the MDM: oxygen failsafe, minimum 30% oxygen, air intake valve, non-interchangeable connections, oxygen flush, auxiliary oxygen outlet. All the adjustment controls are on the front of the unit.



MATRIX  
SCAVENGER CIRCUIT



MATRIX  
VACUUM CONTROL GAUGE



MATRIX DYNAMITE  
SCENTED SINGLE-USE NASAL HOODS



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