

Drager MRI Anesthesia Machine



The Narkomed MRI is a magnetic resonance imaging anesthesia system. The unit utilizes the reliable AV2+ ventilator, a single vaporizer mount for 19.1 style vaporizers and the CORm volume, pressure and oxygen monitor on first generation units. The second generation units have Drager GS type display with volume, pressure and oxygen monitoring. The absorber assembly has the familiar Narkomed feel but is MRI compatible version. Units were made from 1996 to present. Units are small and have been tested near the strongest magnets.

Features

- **Ventilator:** Ascending bellows pneumatic double-circuit AV2+ style ventilator without tidal volume compensation. Modes volume control (VCV), Manual/ Spontaneous. Mechanical “bag/vent” switch.
- **Machine checklist:** Manual FDA-style checklist.
- **Flowmeters:** Traditional needle valve with glass flowtube display.
- **Breathing circuit:** Traditional absorber head. The breathing circuit is higher volume (dual absorbent canisters). May use loose granules or prefilled canisters. May be used with non-rebreathing circuits.
- **Electrical power failure:** Most functions except patient monitoring are preserved during power failure, as this is a basic pneumatic-mechanical machine.



Typical Manufacturer's Image

Drager Narkomed MRI Anesthesia Machine

Specifications

General	<ul style="list-style-type: none"> • Dimensions: (W xHxD) 31.5" x 53" x 27" (80 x 135.3 x 68.6 cm) • Weight: 230 lbs (104.3 kg). • Weight of Battery Charger: 3 lbs (1.36 kg)
Electricity	120 Volt Power Supply 100 - 120 VAC @ 50/60 Hz 220/240 Volt Power Supply 200 - 240 VAC @ 50/50 Hz
Battery	Reserve Power Time " 3 hours Charging Time " 16 hours
Gas Delivery System	Number of Gases 3 gas capability (O2, N2O, Air) Oxygen Flush Flow Rate 55 L/min Low Oxygen Supply Pressure Alarm 34 - 40 psi
Vaporizer	<ul style="list-style-type: none"> • Vapor 2000 Positions 2 Mounting Fixed
Ventilator	<ul style="list-style-type: none"> • AV 2+ Frequency 1 - 99 (in 1 BPM increments) I:E Ratio 4:1 -1: 4.5 Inspiratory Flow 10 -100 L/min Tidal Volume 20 -1500 mL Pressure Limit Adjustment 15 -120 cmH2O
Oxygen Monitoring	Display Range 10 -100% Resolution 1 vol% O2
Airway Pressure Monitoring	Display Range -10 to 125 cmH2O Resolution 1 cmH2O
Tidal Volume Monitoring	Display Range .01 - 2.0 L Resolution 0.01 mL
Utility Requirements	System operates with 120 VAC @ 50/60 Hz electrical source. Regulator assemblies and yokes for external O2 and N2O cylinders. O2, N2O and Air hoses for connecting pipeline sources to DISS machine connections.
Tests with MRI Scanners of up to 3.0 Tesla (shielded or unshielded)	Testing done with unit touching the MRI.



Soma Technology Inc.
166 Highland Park Drive
Bloomfield, CT 06002 • USA
1.800.438.7662
www.SomaTechnology.com

Note: The technical data given in this publication is for general information and are subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.