

SIRIO S2/T MRI

Emergency ventilator - MRI compatible with breathing monitor



code: 09636/RMN

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Application	Emergency / First-Aid / Transport / MRI Environments
MRI compatible	Compatible for use in Magnetic Resonance rooms from 1,5 T (15000 G) and from 3 T (30000 G). The ventilator must be placed at a minimum distance from the magnet where the field is ≤ 20 mT (200 G).
Patients	Adults / Children / Newborn babies
Ventilation type	IPPV volumetric - IPPV time cycled with PRESSURE SUPPORT
Control modality	Electronic
Flow generation	Venturi system
Gas feeding	Oxygen or compressed medical Air: the gas pressure should be included between 280 kPa and 600 kPa (2,8 – 6 bar) Max. flow required by the ventilator: 50 l/min
Automatic compensation	Automatic compensation of atmospheric pressure on measured pressure: present (max. 5000 mt)
Ventilation modes	AUT + AST / PSV + APNOEA BACK UP / PEEP / CPAP
Measured parameters	Breathing Rate (RATE), Expired Tidal Volume (VT), Minute Volume (VM), Instant Airways Pressure and Peak Airways Pressure (PAW), Mean Pressure (MAP), End Expiration Pressure (PEEP)
Monitoring	Breathing cycle corrected by lungs icon
Breathing frequency	From 5 to 70 bpm
I:E Ratio	1:1,5
Inspiratory time	40% of breathing cycle
Inspiratory pause	Automatic setting during PSV mode
Pressure limit	Adjustable from 0 to 50 cmH ₂ O
Pressure support ventilation	Adjustable from 0 (SPONT.) to 50 cmH ₂ O
PEEP	Adjustable from 0 to 20 cmH ₂ O
Tidal volume	From 15 to 3000 ml
Minute volume	From 1 to 16 l/min
Flow trend	Constant and decreasing (PSV)
Mixer device	50% O ₂ or 100% O ₂ (21% O ₂ with medical compressed Air supply)
Bronchomanometer	Electronic, digital (from -10 to 60 cmH ₂ O)

Trigger (sensitivity)	Adjustable from -1 to -5 cmH ₂ O
Alarms	Battery Level / Low and High Airways Pressure / Apnoea / Gas Supply / Power Failure
Medical Gas	Medical oxygen
Electric power supply	12Vdc or feeder: 100 - 240 Vac / 12Vdc
Current consumption	0,04 A - 220 Vac / 0,8 A - 12Vdc
Power	9 W
Battery operation	With internal Pb battery (approx. 3 hours operation) Charging time: 4 hours with the supplied feeder
Safety devices	Mechanical limit of airways pressure adjustable from 0 to 50 cmH ₂ O
User's interface	<ul style="list-style-type: none"> • Electronic digital bronchomanometer • Breathing parameters display • Battery level LED • External power supply indicator • Leds and acoustics alarms • Control knobs
Dimensions	31 x 19 x 18 cm (including handle) - 3,7 Kg
Standard accessories (supplied)	<ul style="list-style-type: none"> • Feeder 100 - 240 Vac / 12Vdc • Power supply cable 12 Vdc • O₂ tube • Disposable PVC patient circuit with expiratory valve • Flow sensor (disposable)
Conformity to Norms	EN 1281-1, IEC 601-1, IEC 601-1-2, IEC 601-1-4, IEC 601-1-8, EN 794-3, EEC 93/42 Dir.ve
Class and type according to IEC 601-1	Class 1 Type B
Class according to 93/42 EEC Dir.	Class IIb
Environmental conditions	<ul style="list-style-type: none"> • Temperature from -10 to 40°C • Relative humidity from 10 to 90% non-condensing • Atmospheric pressure from 70 to 110 kPa • IP44

SIARE applies the UNI EN ISO 13485:2004 and EEC/93/42 Directive Quality System.

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