

MR Conditional LTV® 1200 system

Experience portable ICU ventilation
for the MR environment

From the patient bedside, to the MR suite and back again, the MR Conditional LTV® 1200 system provides versatile ventilatory care for the patient and the clinician.

The MR Conditional LTV 1200 system, unlike other ventilators, is a complete package, engineered specifically for use in the MR environment. The MR Conditional stand, AC power adapter, 15' patient circuit and laminated safety card work together in a fully integrated system.

The MR Conditional LTV 1200 system provides complete critical care ventilation in a small, lightweight, portable system. With the broader range of settings available on the LTV 1200 ventilator, you will now be able to use MR diagnostic capabilities on a wider range of ventilator patients and patient conditions.



The same well known LTV 1200 patient ventilation features you expect

- One ventilator for all patients 5 kg and above
- Turbine driven ventilation eliminates the need for high pressure air source
- Ventilator presets allow for quick set up of new patients: Infant, pediatric, adult
- Invasive and Noninvasive modes of ventilation; Noninvasive set up is simple
- A wide range of ventilation therapies to meet demanding patient needs, including Volume Control, Pressure Control, Pressure Support and Spontaneous Breath Types
- Easy-to-read panel controls and alarms

Successfully tested in both the 1.5 and 3.0 Tesla environments*

- Exclusive circuit retains ventilation parameter accuracy
- MR Conditional stand with locking wheels and safety bracket

LTV 1200 MR Conditional ventilator conditions of use

- Use behind the 100 gauss field line (at least 9'2.74 m from the bore opening) and in a position where the operator can always see the ventilator
- Use the MR Conditional LTV 1200 system, including the MR Conditional LTV 1200 ventilator, MR Conditional non-magnetic floor stand, MR safe 15' circuit, laminated safety card and LTV AC adapter or SprintPack Lithium-Ion Power System mounted in the SprintPack MR Conditional mounting bracket
- Use only MR Conditional non-magnetic (aluminum) oxygen cylinders and oxygen regulators
- Use the wheel locks on the MR Conditional floor stand

Locking bracket secures the ventilator and the power adapter to the stand.



Optional system configurations

The LTV 1200 ventilator system can be configured with a range of accessories to meet the needs of the most demanding care environments.

Accessories	Part number
Patient circuit without PEEP, 22 mm SPU, 15'	19189-001
SprintPack Lithium-Ion Power System	19222-001
MR Conditional SprintPack mounting bracket	19871-001
Oxygen cylinder ring set for MR Conditional floor stand	19875-001

Specifications

Physical specifications with boots (approx.)	
Weight	26 lbs (11.8 kg)
Height	46" (116.8 cm)
Base diameter	31" (78.74 cm)

Specifications (continued)

Variable alarms

Apnea interval	10 to 60 seconds
High pressure limit	5 to 100 cmH ₂ O
Low peak pressure	Off, 1 to 60 cmH ₂ O
Low minute volume	Off, 0.1 to 99 liters
High PEEP	Off, 3 to 20 cmH ₂ O above set PEEP
Low PEEP	Off, -3 to -20 cmH ₂ O below set PEEP
High rate	Off, 5 to 80 bpm
Alarm volume	60 to 85 dBA

Controls

Power	On/standby
Ventilation modes	Control, Assist/Control, SIMV/CPAP and NPPV
Breath types	VC, PC, PS and Spontaneous
Breath rate	0 to 80 bpm
Tidal volume	50 to 2000 mL
Inspiratory time	0.3 to 9.9 seconds
PC/PS/Spont. flow	160 lpm
Pressure control	1 to 99 cmH ₂ O
Pressure support	"__" 0 to 60 cmH ₂ O
Sensitivity	Off, 1 to 9 lpm
O ₂ %	21% to 100%
O ₂ flush	1 to 3 minutes
Low pressure O ₂	On/off
PEEP/CPAP	0 to 20 cmH ₂ O
Insp/Exp hold	6 second maximum
Manual breath	1 x current settings
Control lock	Easy or hard unlock options

Monitors and indicators

Peak inspiratory pressure	0 to 120 cmH ₂ O
Mean airway pressure	0 to 99 cmH ₂ O
PEEP	0 to 99 cmH ₂ O
Breath rate	0 to 250 bpm
Airway pressure display	-10 to 108 cmH ₂ O
Exhaled tidal volume	0 to 4,000 mL
Exhaled minute volume	0 to 99.9 liters
I:E ratio	99:1 to 1:99
Calculated peak flow	10 to 100 lpm
AutoPEEP	0 to 100 cmH ₂ O
Static compliance	1 to 999 mL/cmH ₂ O
Patient effort	Green LED

Fixed alarms

Disconnect/sense
External power low and lost
High and low oxygen inlet pressure
Internal battery low and empty
Ventilator inoperative

Extended features

Spontaneous breathing trial (SBT)
Ventilator presets (infant, pediatric and adult)
Variable rise time
Variable flow termination
Variable time termination
Pressure control flow termination
Leak compensation
O ₂ conserve
O ₂ cylinder duration calculation

Extended features (continued)

O ₂ flush
Apnea apnea interval

Pneumatic specifications

High pressure O ₂ source	40 to 80 PSIG (2.8 to 5.5 bar)
Low pressure O ₂ source	< 80 lpm, < 10 PSIG

Power indicators

External power	Green and amber LEDs
Battery charge status	Green, amber and red LEDs
Battery level	Green, amber and red LEDs

Power specifications

Ventilator input	11 to 15 VDC
AC adapter input	100 to 250 VAC
	50 to 60 Hz

Environmental specifications

Operating temperature	5° to 40° C (40° to 104° F)
Storage temperature	-20° to 60° C (-4° to 140° F)
Operating humidity	15% to 95% relative
Storage humidity	10% to 95% relative
Shock compliance	MIL-STD-810F
Vibration compliance	MIL-STD-810F


Standards and regulatory compliance


RTCA/DO-160F
ANSI/UL STD 60601-1
IEC 60601-2-12
cETLus
CAN/CSA C22.2 STD NO. 601.1


For more information, please contact Customer Service within the United States at: 800.754.1914 and International at: +1 763.398.8300.

MR Conditional LTV 1200 system product specifications are subject to change. Please consult your Sales Representative or CareFusion if you have any questions regarding updates to the product specifications.

*To ensure that your use of the MR Conditional LTV 1200 system results in images that are free of an unacceptable artifact, the MR Conditional LTV 1200 system should be tested prior to initial clinical use (utilizing a suitable phantom) in each intended use MR environment utilizing the ventilator power source (AC adapter or SprintPack Lithium-Ion Power System) that will be selected for use.

 **WARNING:** U.S. Federal Law restricts this device to sale by or on the order of a physician.

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