

iX5™ ventilator

Quickly access and manage real-time data when treating neonatal, pediatric and adult patients



Controls

Primary settings

Ideal body weight (IBW)	Neonatal: 300 g–3,000 g Pediatric: 3.1–30 kg Adult: 31–110 kg
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Fraction of inspired oxygen (FiO ₂)	21–100%
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Respiratory rate	1–180 bpm
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Backup rate/PS, CPAP, nCPAP, APRV	Neonatal: OFF; 1–60 bpm Pediatric: OFF; 1–40 bpm Adult: OFF; 1–40 bpm
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Positive-end expiratory pressure (PEEP)	0–50 cmH ₂ O
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Continuous positive airway pressure (CPAP)	0–20 cmH ₂ O
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Controlled volume/VC	Pediatric: 10–500 mL Adult: 100–2,000 mL
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Target volume/PRVC, VG	Neonatal: 2–100 mL Pediatric: 20–500 mL Adult: 100–2,000 mL
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Continuous flow/TCPL, VG	Neonatal: 2–30 L/min Pediatric: 2–50 L/min
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Advanced settings

Volume/Weight ratio	4, 6, 8, 10 mL/kg
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Flow waveforms	Square, decelerating, sine
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Pressure rise slope	25–100%
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PS flow cycle	10–75%
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PC flow cycle (for mandatory breaths)	OFF; 10–75%
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Volume limit/VG	10–120 mL
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Inspiratory flow/VC	Pediatric: 2–50 L/min Adult: 2–120 L/min
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Inspiratory flow (<i>demand</i>)	Up to 180 L/min
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Controlled pressure/PC	Up to 80 cmH ₂ O (<i>above PEEP</i>)
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Pressure support (PS)	Up to 80 cmH ₂ O (<i>above PEEP</i>)
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Pressure limit/TCPL	Up to 80 cmH ₂ O
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Inspiratory time	0.10–15.0 seconds
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Inspiratory pause	0.0–2.0 seconds
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Inspiratory positive airway pressure (IPAP)/Bilevel PC	Up to 40 cmH ₂ O
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Expiratory positive airway pressure (EPAP)/Bilevel PC	0–20 cmH ₂ O
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Pressure high/APRV	Up to 80 cmH ₂ O
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Pressure low/APRV	0–45 cmH ₂ O
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Time high/APRV	0.2–30.0 seconds
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Time low/APRV	0.2–30.0 seconds
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Pressure inspiratory trigger	Neonatal: OFF; 0.1–10.0 cmH ₂ O Pediatric: OFF; 0.5–10.0 cmH ₂ O Adult: OFF; 0.5–10.0 cmH ₂ O
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Flow inspiratory trigger	Neonatal: OFF; 0.2–2.0 L/min Pediatric: OFF; 0.5–5.0 L/min Adult: OFF; 2.0–15.0 L/min
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Breath average VG	Neonatal: 1–60 cycles
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PS high/APRV	OFF; 5–80 cmH ₂ O
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PS low/APRV	OFF; 5–40 cmH ₂ O
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Pressure maximum VG	Neonatal: 10–70 cmH ₂ O
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Pressure minimum VG	Neonatal: 5–30 cmH ₂ O
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Time delay/APRV	OFF; 0.2–1.0 seconds
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Controls (cont.)				
Manual controls/Maneuvers				
100% O ₂	Inspiratory hold	Slow pressure-volume (PV) maneuver		
Manual cycle	Expiratory hold	Automatic airway compensation (AAC)		
Sigh	Tracheal gas insufflation (TGI)	Synchronized nebulization with FiO ₂ and volume compensation		
Ventilation modes				
Assisted/Controlled	VC	Monitors		
	PC		Monitored parameters	
	PRVC		Peak pressure	Inspiratory tidal volume
	TCPL		PEEP	Expiratory tidal volume
	VG		Plateau pressure	Volume/weight ratio (mL/kg)
Synchronized intermittent mandatory ventilation (SIMV)	VC+PS	Mean pressure	Minute volume	
	PC+PS	Respiratory rate - total	Leak %	
	PRVC+PS	Respiratory rate - spontaneous	Release volume/APRV	
	TCPL+PS	I:E ratio	Inspiratory peak flow	
	VG+PS	Inspiratory time	Expiratory peak flow	
Spontaneous	APRV / BiPhasic	Expiratory time	FiO ₂	
	PS+Backup	Mechanics		
	Bilevel PC	Inspiratory resistance	Auto PEEP	
	CPAP+Backup	Expiratory resistance	Occlusion pressure (P100)	
Non-invasive	nTCPL	Static compliance	Work of breathing (ventilator)	
	nCPAP+Backup	Dynamic compliance	Rapid shallow breathing index (RSBI)	
	Biphasic LP	Expiratory time constant		
	nCPAP LP	Device log (up to 72 hours)		
Graphics				
Up to 5 displayed at a time	Waveform, pressure x time			
Loop, pressure x volume	Waveform, flow x time			
Loop, flow x volume	Waveform, volume x time			
Trends (up to 72 hours)				
Peak pressure	FiO ₂			
PEEP	Respiratory rate			
Tidal volume	Inspiratory resistance			
Minute volume				
Static compliance	Volume/weight ratio (mL/kg)			

Pneumatic supply	
Intake gases	Air and O ₂
Pressure range	250–600 kPa
Alarms	
Alarm silence	Up to 120 sec
Physiological alarms	
Low inspiratory pressure	Low FiO ₂
High inspiratory pressure	High FiO ₂
Low tidal volume	Low respiratory rate
High tidal volume	High respiratory rate
Low minute volume	Apnea
High minute volume	
Automatic alarms	
Low PEEP	Patient disconnected
High PEEP	Patient circuit leak
Auto PEEP	Circuit occlusion
Auto trigger	
Technical alarms	
Low O ₂ intake pressure	Internal battery in use
High O ₂ intake pressure	Low internal battery
Low air intake pressure	Internal battery fail
High air intake pressure	Power fail
Gas fail	Vent inop
Power supply	
Full range power supply (automatic switching)	Voltage: 100–240 V Frequency: 50/60 Hz
Internal battery (lead-acid)	Up to 180 minutes

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For Global distribution.

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