

Technical Specification

Features	Triovent Excel
Inspiratory Pressure Range	1-60 cm H ₂ O
System Based	Compressor Based Motor's Rating: 0.5 HP***
Dimensions	H 1300 x D 500 x W 560(mm)
User Interface	Monitor Touch Screen, GLCD, Control Knob, Keypad
Battery Backup (Max)	4 Hrs (With oxygen support only)
Battery Recharge time	4-5 Hours
Weight (Approx.)	60 kg with compressor
Flow Rate	0 to 80 LPM
Pressure Support	0-30 cm H ₂ O
FiO ₂ Setting	21% to 100%
Tidal Volume	6 ml to 2000 ml
Respiratory Rate	60 BPM
I : E Ratio	1:5 & 5:1
Waveforms	3 Waveforms
Lung Compliance	3 Waveforms on Screen
Audio/Visual Alarms	Audio, Visual Alarms
Alarm Types	<ol style="list-style-type: none"> 1. High Pressure Alert 2. Mask Open Detected 3. Low Battery 4. Oxygen Line Alert 5. High/Low Tidal Volume 6. Diaphragm Activated/Deactivated 7. Low Flow 8. Power Off 9. ET Tube Choked
Patient Type	Adult, Paediatric, Neonatal
Trending Time	> 72 Hours
Air & O ₂ Supply	2.5 to 6 Bar
Inspiratory & Expiratory Pause	YES
Leak Detection	Up to 10%
Mandatory Modes and Patient Control Modes	VCMV, VSIMV, VACV, VPSV, VICV, PICV PCMV, PSIMV, PACV,
HFNC	YES Insp. & Exp. Pressure Trigger
PSV / Advance Mode	Du-PAP, CPAP, APRV, Bi-PAP
Bubble CPAP	Optional
Electrical Requirements	220- 230V AC
Power Consumption	750W Maximum
Dimensions	1185 mm x 438 mm x 347mm
Humidifier	Optional Respiratory Humidifier** DL- 2605 (Servo Controlled)
Warranty	1 Year
Limb Type	Dual Limb
Certifications	ISO 13485:2016 IEC – 60601- 1, CE, MAKE IN INDIA, WHO-GMP
Unit Type	Class 1 Type: B





**Flow vs Time / Pressure vs Time / Volume vs Time
Pressure Flow Loop - Pressure Volume Loop - Volume Flow Loop**

Optional - Dedicated Neonatal Specifications

Inspiratory Pressure Range	→	0-60 cm H2O
System Based	→	Compressor Based Motor's Power: 1HP
Inspiratory Pressure Range	→	0-60 cm H2O
Device Setup	→	GLCD, Control Knob
PEEP	→	0-30 cm H2O
Battery Backup	→	4 Hours
Battery Recharge time	→	2 Hours
Weight	→	50 Kg
Inspiratory Pressure Range	→	0-60 cm H2O
Humidification	→	Integrates with the ventilator. Temperature sensor Pt100 and temp controller TC 704.
Environmental Conditions	→	Temperature: 5-40°C Humidity: 10% to 95% RH Altitude: 200 - 300m Atmospheric Pressure: 8.7 PSI to 16 PSI
Patient Type	→	Neonatal, Paediatric
Pressure Control Modes	→	PPSV , PICV
Patient Control Modes/ Spontaneous Breath	→	Pressure Support Mode (PPSV, VPSV) Independent Control Ventilation Mode, (PICV, VICV)
Therapy type	→	Non-Invasive Ventilation (PPSV) Pressure Support Ventilation (DuPAP)
Advanced mode	→	BiPAP, DuPAP, HFNC, Bubble CPAP
Pressure Support	→	CPAP, BIPAP , APRV
Electrical Requirements	→	220- 240V AC 50Hz
Warranty	→	1 Year
Limb Type	→	Bi Limb/Dual Limb

