

AGNUS

I C U V E N T I L A T O R



Agnus ICU Ventilator: Innovating Critical Respiratory Care

High-Performance, Cost-Effective, and Accessible Solutions

Revolutionizing Respiratory Support for a Healthier Tomorrow



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ICU VENTILATOR

State-of-the-Art Technology

- Comprehensive ventilation modes: CMV-PC/VC, SIMMV, CPAP/BPAP, RM, and more.
- Automatic pressure control for patient safety.
- Integrated alarms for critical parameters: apnea, tidal volume, and peak pressure.
- External emergency stop button for immediate access to spontaneous respiration.



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ICU VENTILATOR

Advanced Mechanical Ventilation

Providing continuous invasive and non-invasive ventilatory support for adult and adolescent patients, specifically designed for ICU environments.

Featuring a patented diaphragm propulsion mechanism that replicates natural human respiration, ensuring adaptive and reliable performance.
Tidal Volume changes of less than 5% even with pressure variations up to 100 cm H₂O.

Intuitive configuration and operation through a user-friendly interface.
Includes advanced features like CMV and SIMMV Modes, Post Inspiratory Pause Maneuver (PIPM), and Recruitment Maneuver Mode.

Safety-focused innovations such as an Automatic Pressure Control (APC) feature, adjustable parameters, and integrated alarms for real-time patient monitoring.

Compact, lightweight, and optimized for maneuverability and stability in clinical settings.



Controlled and Measured Parameters Shown on 15" Touch-Screen

Ventilation Mode	Mode in Operation
A/C Assist/Control	On/Off
APC Automatic Pressure Control	On/Off
PIPM Post Inspiratory Pause Maneuver	On/Off
Tidal Volume ml	50 to 1600 ml
Inspiratory flow LPM	2 to 100 l/min
Inspiratory pressure	1 to 100 cmH2O
Respiratory Rate RR	5-45 breaths/min
Ti:Te Ratio	1:4 to 4:1
Post-Inspiratory hold	YES
Post-Expiratory hold	YES
FiO2	21 to 100%

Spontaneous Breaths	YES
PEEP	0-20 cmH2O
PPK	0-100 cmH2O
PPL	0-100 cmH2O
PAW	cmH2O
VM	0-50 SLPM
Inspiratory Time	milliseconds
Expiratory Time	milliseconds
Trigger Pressure	-5 /20 cmH2O
Spontaneous Breaths	%
Trigger Window TW	0-10 Sec
Trigger Mechanism	Flow / Pressure / Time
Pressure slope	Similar to Normal Respiration
Sigh, 100% O2	YES

Ventilation Modes

- CMV-PC (Continuous Mandatory Ventilation – Pressure Control)
- CMV-PC-PIPM (CMV – PC – Post Inspiratory Pause Maneuver)
- CMV-PC-A/C (CMV – PC- Assist/Control)
- CMV-VC (CMV – Volume Control)
- CMV-VC-PIPM
- CMV-VC-A/C (CMV – VC – A/C)
- SIMMV (Spontaneous Intermittent Mandatory Minute Volume)
- CSV-CPAP (Continuous Spontaneous Ventilation - Continuous Positive Airway Pressure)
- CSV-BiPAP (CSV – Biphasic Positive Airway Pressure)
- RM (Maneuver Recruitment)



Real-Time Graphics

- Tidal Volume VT
- Post-Expiratory End Pressure PEEP
- Airway Pressure PAW
- Minute Volume MV
- Flow

Off Screen Indicators

Pilot Lights:

- Green, Inspiration
- Blue, Expiration
- Red, Alarm.

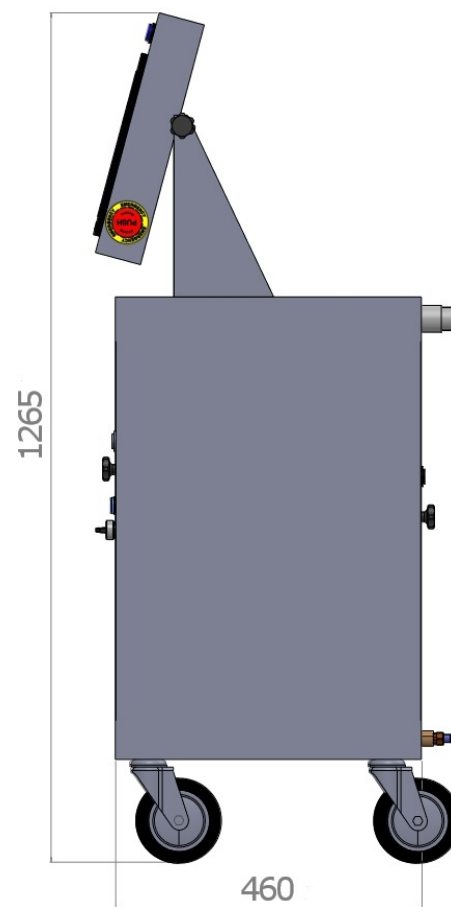
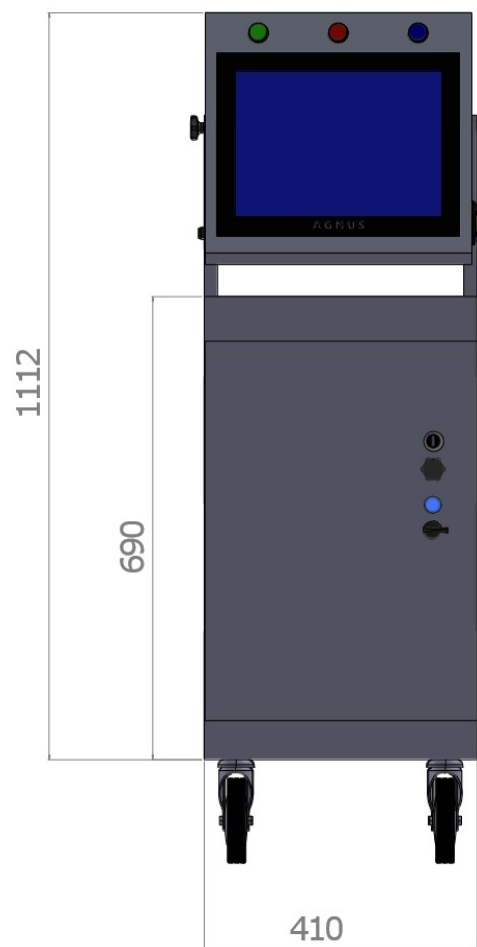
- Momentary Stop Push-Button.
- Emergency Stop.
- Alarm Buzzer.

Alarms

- PEEP, High or Low
- PPK, High
- APNEA
- VT, High or Low
- FiO2, High or Low
- PPL, High or Low
- RR, High or Low
- VM, High or Low
- High or Low Pressure Compressed Air

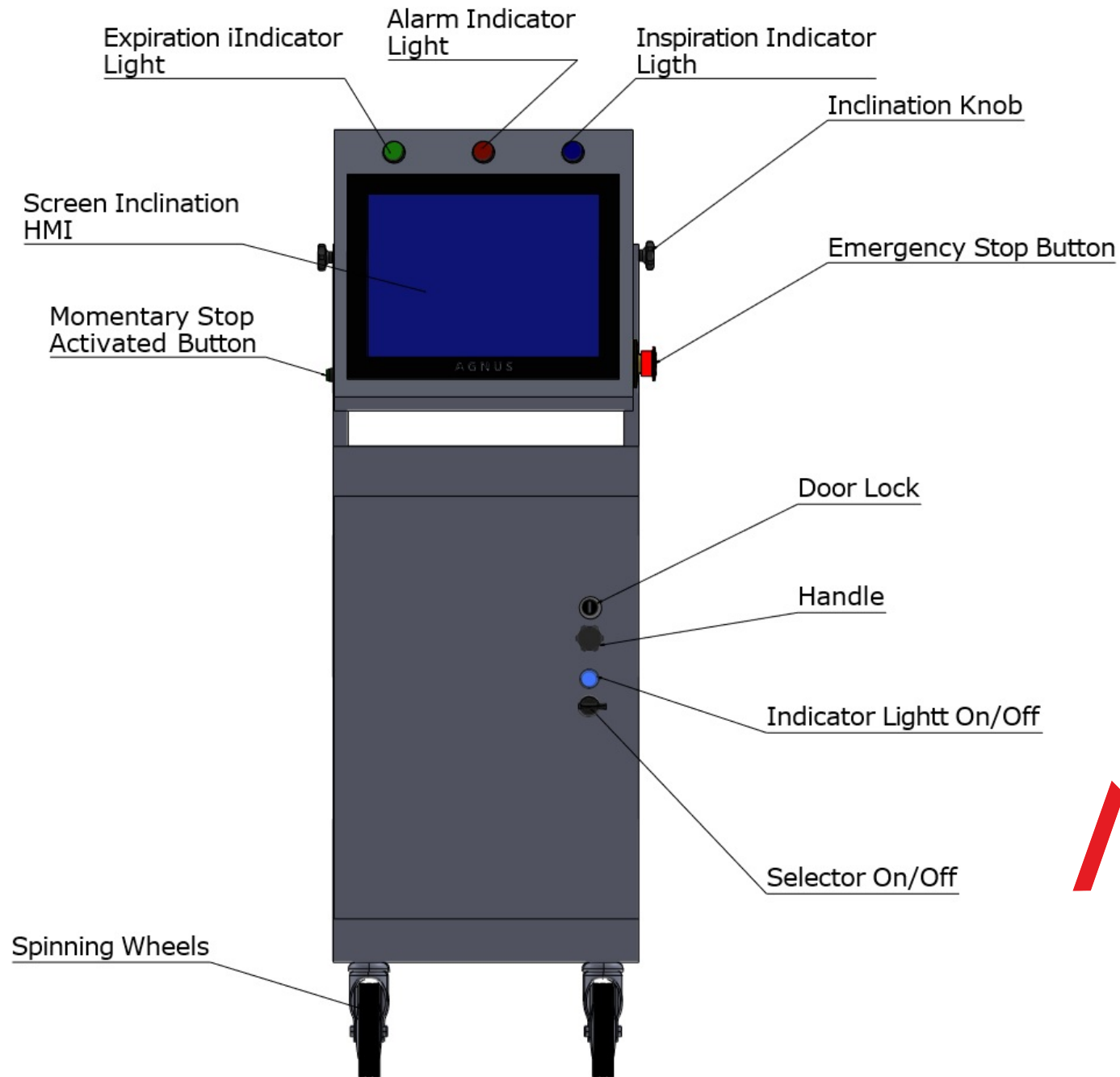


Dimensions (mm)



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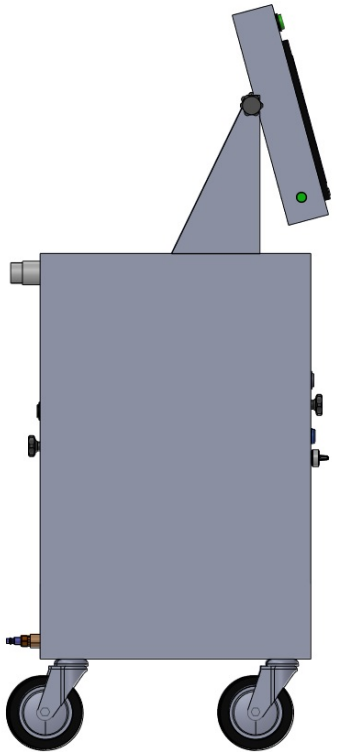
Front View



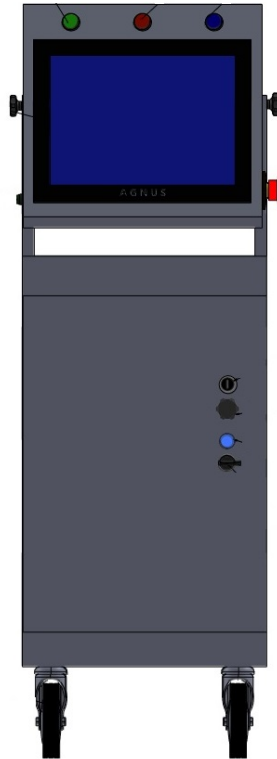
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Agnus ICU Ventilator: A Game-Changer

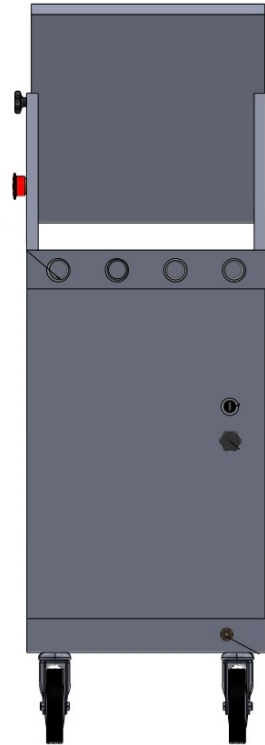
Left Side View



Front View



Rear View



Right Side View

