

The AVS-270, a sophisticated microprocessor-based anesthesia ventilator, offers user-friendly operation for both adult and pediatric patients. Its 7-inch TFT touchscreen display provides clear visualization of flow, volume, and pressure graphs and loops. Equipped with a lithium-ion battery backup for up to 2 hours, AVS-270 ensures uninterrupted ventilation. This versatile ventilator supports various modes, including VCMV, V-SIMV, PCMV, P-SIMV, PRVC, PSV, BAG, and Standby, making it compatible with all types of anesthesia machines. The implementation of fresh gas compensation enhances the safety of anesthesia delivery.

Specification



AVS-270

ANESTHESIA VENTILATOR

Control Parameters

Mode of Operation	VCMV, V- SIMV, PCMV, P-SIMV, PRVC, PSV, BAG and Standby.
Patient Type	Adult and Child [Selectable]
Tidal Volume	50 to 1500 ml.
Ti	0.2 to 8.0 Sec
Pi	5 to 60 cmH ₂ O
Respiratory Rate	1 to 60 Bpm
Plateau	0 to 50%
PEEP	3 to 30 cmH ₂ O
Pressure Support	5 to 40 cmH ₂ O
Trigger	0.5 to 5.0 cmH ₂ O
Backup RR	6 to 60 Bpm
Backup Mode	VCMV, V- SIMV, PCMV, P-SIMV and PRVC.

Alarms and Indications

Monitoring Parameters	Tidal Volume, Minute Volume, RR, FIO ₂ , PI, PEEP Obtained.
Loop Types	Flow Vs Pressure, Flow Vs Volume & Volume Vs Pressure [Selectable Any Two]
Graph Types	Flow, Pressure & Volume [Selectable Any Two]
Inspiratory Pressure High	10 to 60 cmH ₂ O
Inspiratory Pressure Low	5 to 15 cmH ₂ O
Minute Volume High	3 to 50 Liters
Minute Volume Low	0.1 to 47 Liters
RR High	15 to 100 Bpm
RR Low	5 to 90 Bpm
FIO ₂ %	21 to 100
Alarms	Low and High for Pressure, RR, Minute Volume and FIO ₂ , Active patient, Patient disconnected, Driving Gas failure, low battery indication, Apnea.

General Parameters

Display	7" TFT with touch Screen.		
Power Input	20 W	90 to 260 V AC	50/60 Hz
Driving Gas Input Pressure	2.4 ~ 6 Bar		
Dimension	316 x 270 x 374 mm (Lx W x H)		
Battery Backup	2 hours (Lithium-ion)		

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