ALVEONIC
Happens for Life

ADS-300

ANESTHESIA WORKSTATION



Driving Gas Free System

- Highest Degree of Safety Measures
- Integrated Ventilator for Advanced Care
- Accurate Anesthesia gas and drug delivery

Configuration Options		
Anesthesia Ventilator	Flow Meter	Driving System
AVS-360	2 GAS	ELECTRIC
AVS-270	3 GAS	GAS
AVS-270	2 GAS	GAS
AVS-180	3 GAS	GAS
AVS-180	2 GAS	GAS

Gas Driven System



VENTILATOR SPECIFICATION

PARAMETERS	AVS-180 / AVS-270 / AVS-360
Mode of Operation	VCMV, V-SIMV, PCMV, P-SIMV, PRVC, PSV, BAG and Standby.
Patient Type	Adult and Child [Selectable]
I:E Ratio	4:1 to 1:4
Plateau	0 to 50%
Trigger	0.5 to 5.0 cmH_2O
Tidal Volume	50 to 1500 ml.
Respiratory Rate	1 to 60 Bpm
Ti	0.2 to 8.0 Sec
Pi	5 to 60 cmH_2O
PEEP	1 to 30 cmH_2O
Pressure Support	5 to 40 cmH_2O
Ti max	0.2 to 8.0 Sec
Backup RR	6 to 60 Bpm
Backup Mode	VCMV, V-SIMV, PCMV, P-SIMV and PRVC.
Monitoring Parameters	Tidal Volume, Minute Volume, RR, FIO_2, Pi, P Mean, P Plat, PEEP Obtained.
Alarms	Low and High for Pressure, RR, Minute Volume and FIO_2, Active patient, Patient disconnected, Oxygen failure, low battery indication, Apnea.
Loop Types	Flow Vs Pressure, Flow Vs Volume & Volume Vs Pressure [Selectable Any Two]
Graph Types	Flow , Pressure & Volume[Selectable Any Two]
Fresh Gas Decoupling	Enabled
Battery Backup	2 hours (Lithium-ion)
Gas Input Pressure	3~6 Bar (Pipeline) / 4~150 bar (Cylinder)
Operating Voltage	100-240 VAC 50/60 Hz
Display	7" TFT with touch Screen.

COMPARISON BETWEEN THE CONFIGURATION OPTIONS

PARAMETERS	AVS-180 + 2 Gas	AVS-180 + 3 Gas	AVS-270 + 2 Gas	AVS-270 + 3 Gas	AVS-360 + 2 Gas
Circle Absorber	ACS-1	ACS-1	ACS-2	ACS-2	ACS-3
Flow Sensor	External	External	Internal & Permanent	Internal & Permanent	Internal & Permanent
Bellows	Gas Driven	Gas Driven	Gas Driven	Gas Driven	Electric Driven
Driving Gas	Oxygen	Air	Oxygen	Air	Not Required
Driving Gas Failure Alarm	Not Applicable	Yes	Not Applicable	Yes	Not Applicable
Power Input	20 W	20 W	65 W	65 W	120W
Flow Meter Type	2 Gas (4 Tubes)	3 Gas(5 Tubes)	2 Gas (4 Tubes)	3 Gas(5 Tubes)	2 Gas (4 Tubes)

CDSCO APPROVED MANUFACTURER

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ISO 13485:2016

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