

# Specification: ARK5



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# Anesthesia Machine

## ARK5

Physical Characteristics	
Dimensions	780 mm * 676 mm * 1390 mm
Caster wheel	4 wheels, Size: 4", Foot brakes (optional)
Brightness	Adjustable
Top plate	Size: 535mm*235mm Maximum bearing weight: 20kg
Caster	4 inches
Operation Environment	
Temperature	10~40°C
Humidity	≤93% (non-condensing)
Atmospheric Pressure	70.0~106.0kPa
Power Supply	100~240V, 50/60±1Hz
Gas Supply	
Pipeline gasses	Single oxygen; Oxygen-Air
Pipeline gas connection	NIST/DISS
Pipeline inlet pressure	280~600kPa
Low inlet pressure	Oxygen generator
Flowmeter	
Type	Float flowmeter
Rang	0~4L/min
Flush O2	
Flow	10~30L/min
ACGO (Common Gas Outlet)	
Connector	Tapered coaxial connector
Back pressure	≤8kPa (behind the anesthetic vaporizer and in front of ACGO)
CO2 canister	
Volume	2000ml
Pipeline Pressure	
Range	-20~100cmH2O
Accuracy	± (4% of full-scale reading + 4% of

	actual reading)
Leak and Compliance	
Leak	≤99ml/min (at 3 kPa pressure)
CO2 canister leakage	≤50ml/min (at 3 kPa pressure)
APL valve leakage	≤50ml/min (at 3 kPa pressure) (APL valve scale is 75cmH2O)
Compliance	Large animal model: ≤4ml/cmH2O Small animal model: ≤3ml/cmH2O
APL Valve	
Range	1~75cmH2O
Accuracy	±10 cmH2O or ±15% of the measured value, whichever is greater
Minimum opening pressure	Dry:0.3 cmH2O Damp:0.5 cmH2O
Vaporizer	
Brand	Comen
Quantity	Single
Active AGSS	
Dimensions	535mm*120mm*155mm
Weight	2.2kg
Applicable laws and regulations	ISO 80601-2-13 and YY 0635-2
Treatment system connector	ISO9170-2 or BS6834
Pressure relief device	Pressure compensation port facing atmosphere
Filter	Stainless steel mesh, with pore size of 60~100 μm
Flow of suction	AGSS-H: 50~80L/min AGSS-L: 25~50L/min
Interface and Connector	
Expiratory end	Outer diameter: 22mm Inner diameter: 15mm



Inspiratory end	Outer diameter: 22mm Inner diameter: 15mm
Bag end	Outer diameter: 22mm Inner diameter: 15mm
AGCO	Outer diameter: 22mm

	Inner diameter: 15mm
Exhaust end	Outer diameter: 30MM

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