



Product Comparison

Airon's pNeuton Model A and pNeuton Model S compared to Smiths Medical's paraPAC plus™ Model 310

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Characteristic	pNeuton Model A LINK TO >	pNeuton Model S LINK TO >	paraPAC plus Model 310
Intended Use	Transport, ER, MRI, Hospital	Transport, ER, MRI, Hospital	Transport, ER, MRI, Hospital
Modes of Ventilation	CMV, IMV, CPAP	CMV, IMV, CPAP	CMV, SMMV, CPAP
Controls	Tidal Volume, Respiratory Rate, PEEP/CPAP, Peak Pressure, % Oxygen, Breath On/Off	Tidal Volume, Respiratory Rate, PEEP/CPAP, Peak Pressure, % Oxygen, Breath On/Off	Tidal Volume, Respiratory Rate, PEEP, CPAP (oxygen flow), Peak Pressure, % Oxygen, Manual Breath
Tidal Volume (ml)	360 - 1500	360 - 1500	70 - 1300
Respiratory Rate	3 - 50	2 - 50	8 - 40
Flow, Mandatory Breath	Pre-set at 36 L/m	Pre-set at 36 L/m	Variable by Tidal Volume setting
Flow, Spontaneous Breath	Variable up to 140 L/m based on demand	Variable up to 140 L/m based on demand	100% O ₂ only, adjustable 0 - 35 L/m, no demand flow
PEEP / CPAP	0 - 20	0 - 20	0 - 16, dependent on patient demand and set CPAP flow
Peak Pressure	10 - 75	10 - 75	20 - 80
I : E Ratio	Continuously adjustable by controlling Insp time and Exp time using Tidal Volume and Rate controls	Continuously adjustable by controlling Insp time and Exp time using Tidal Volume and Rate controls	Varies based on Tidal Volume and Respiratory Rate controls
Internal Oxygen Control	2 position, 100% or 65%	2 position, 100% or 65%	2 position, 100% or 50%, for mandatory breaths only
MRI Compatibility	3T	3T	3T
Input Gas Pressure	40 to 70 psi	40 to 70 psi	40 to 90 psi
Patient Circuit	Proprietary with external expiratory valve	Proprietary with external expiratory valve	Proprietary circuit with and without PEEP valve
Displays	Manometer	Manometer	Manometer
Alarms	All pneumatic – patient disconnect, low gas supply, remote alarm capability	All pneumatic – low gas supply	Electronic – high pressure, low pressure, low gas supply, low battery
Weight	6.5 lbs 3 kg	6 lbs 2.7 kg	5 lbs 2.3 kg
Enclosure	10" W x 5" H x 7" D (13 x 25 x 18 cm)	8" W x 4" H X 6" D (10 x 20 x 15 cm)	9" W x 4" H x 6" D (24 x 9 x 17 cm)