APRIA®

RESPIRATORY CARE

COMPARISON CHART

Respiratory Assist Device (RAD) vs. Home Mechanical Ventilator (HMV)

	RAD E0471 (ST, ASV, VAPS)	Ventilator E0466 (NIV)	Comments
Indications for Use	Complex OSA and Respiratory Insufficiency	Respiratory Failure	E0471 devices are not indicated to treat CRF
Weight Indications	Pts > 30 KG (> 11 KG for ST-A)	Pts > 2.5 KG	Most E0471 devices are not intended for use on patients weighing < 30 KG
Synchronization Adjustability (Trigger, Cycle, Sensitivity)	Limited	YES	E0466 devices are fully customizable to adjust for asynchrony and optimize therapy for clinical lung changes
On-Screen Wave Forms	NO	YES	Real-time waveform display allows for immediate detection of patient/device asynchrony
Max Pressure	30 cmH_2O	60 cmH_2O	E0471 devices can't treat with pressures > 30 cmH_2O
Auto EPAP (used with obstruction overlap)	NO	YES	EPAP auto adjusts to changing airway resistance and keeps the patency of the upper airway
Pre-Programmable Prescriptions	NO	YES	Up to 5 different pre-set prescriptions allow therapy to change between modes, MPV, and HFT
Mouthpiece Ventilation (MPV)	NO	YES	On-demand daytime ventilation stimulates fuller breaths, improves gas exchange, and aids with acclimation to therapy
High Flow Therapy (HFT)	NO	YES	Reduces airway resistance, improves oxygenation, and decreases $PaCO_2$ retention
Backup Battery	NO	YES	A safety function necessary for certain conditions for power failure responses and mobility
Auto/Intelligent Backup Rate	Some	YES	Algorithm that is customizable to the patient to prevent breath stacking induced by machine-triggered breaths
Alarms	Limited (Alerts)	YES	Full suite of safety and apnea alarms on E0466 devices; E0471 devices have limited alerts only

Your Apria Representative
[First Name Last Name]
Phone: [555.555.5555]
Fax: [555.555.5555]

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