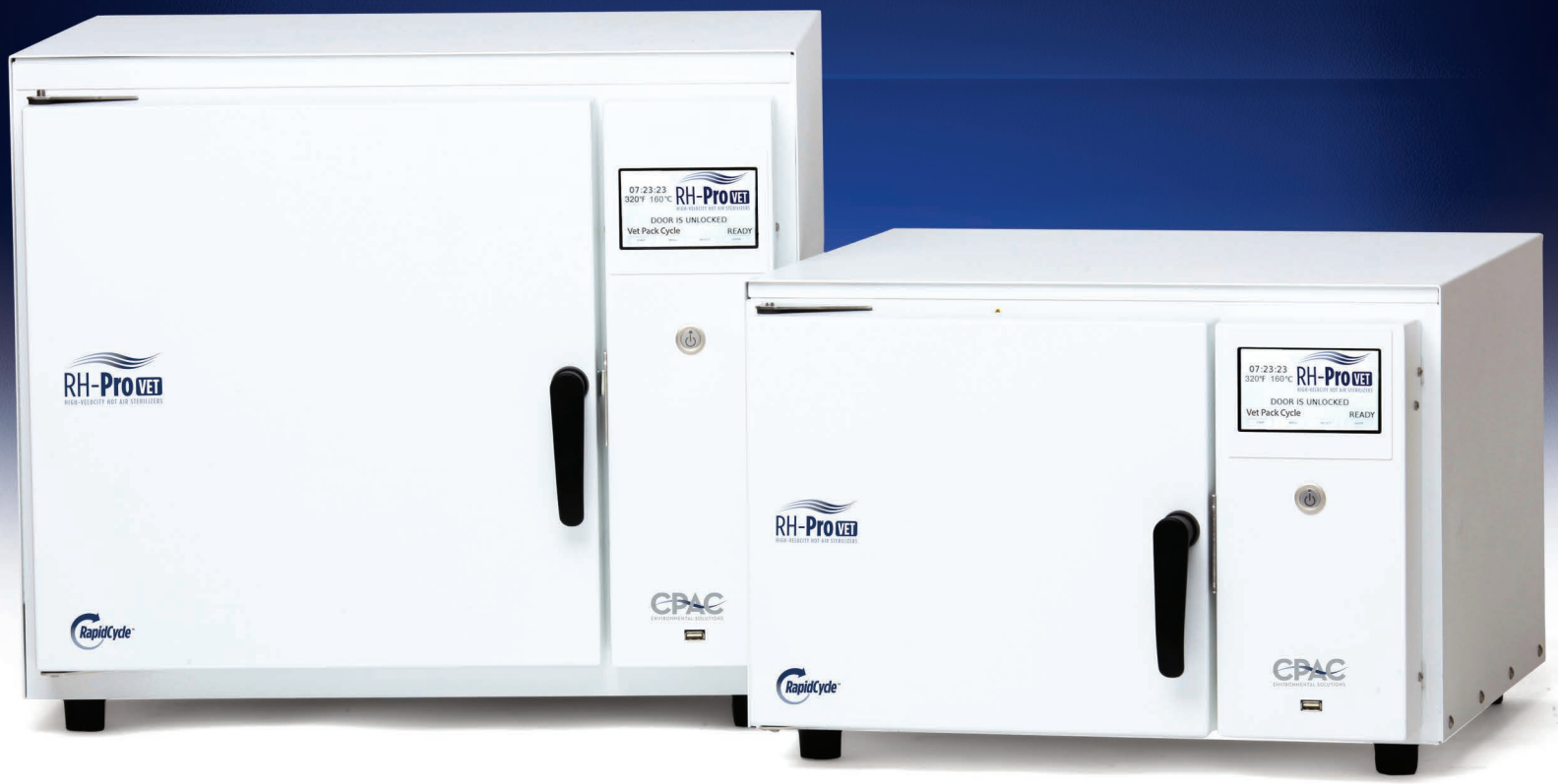
RH-Pro VET

HIGH-VELOCITY HOT AIR STERILIZERS

RAPIDHEAT™

CUTTING-EDGE HIGH-VELOCITY HOT AIR STERILIZATION



FOR VETERINARY PRACTICES, CLINICS AND HOSPITALS

CPAC
ENVIRONMENTAL SOLUTIONS

NO WATER • NO DRYING • NO CORROSION • NO MAINTENANCE

ProVET Sterilizers are engineered to meet the demands of veterinary practices.

In applying advanced "High-Velocity Hot Air" sterilizer technology, CPAC has incorporated both high-temperature and low-temperature processing in the efficient and effective sterilization of veterinary instruments and surgical packs.

The high-temperature cycle is perfect for "Immediate-Use" fast turnaround of instruments during busy schedules and shortages when sterile instrument inventories need to be promptly replenished.

The low-temperature cycle allows processing of heat-sensitive instruments and the large and small veterinary surgical packs that utilize reusable textiles. Combined with a waterless sterilization environment this level of temperature control maximizes the life span of valuable instruments and textiles.

RH-ProVET-11

- Processes up to 160 Instruments or 4 to 8 surgical packs per cycle.
- Large rectangular chamber facilitates more uniform sterilization.
- No waiting for packs and instruments to dry before use.
- Unlike steam sterilizers that limit surgical packs to 1 ½ inches thick, ProVET can process surgical packs up to 3 ½ inches thick.

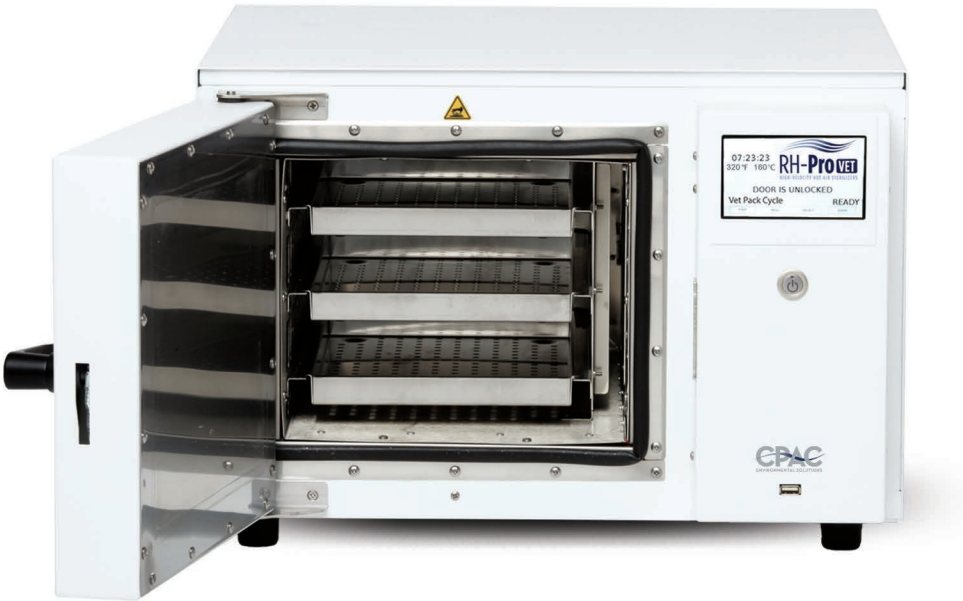
CHOOSING THE PERFECT SIZE FOR YOUR PRACTICE

Need to conserve counter space	Require larger single load capacity	Need ease of mobility and handling	Using large cassettes and packs
RH-ProVET-9	**RH-ProVET-11**	**RH-ProVET-9**	**RH-ProVET-11**

Both units are extremely low-maintenence and feature the same "fast" instrument turn-around that has become the hallmark of RapidHeat Sterilization.

RH-ProVET-9

- Processes up to 120 Instruments or 1 to 2 surgical packs per cycle.
- Sterilizes instruments in 15 minutes (Start-To-Finish).
- Perfect portability for mobile vehicle practices – just plug-in 110/115 outlet
- Space-Saving design is Ideal for smaller practices



IT'S NOT JUST "DRY HEAT"

Unlike traditional Dry Heat, RapidHeat™ is an advanced thermal sterilization technology circulating high velocity hot air in a sealed chamber at 200 to 300 air exchanges per minute. RapidHeat sterilization technology is designed with features to improve the efficiency of all healthcare practices where tabletop sterilizers play a critical role in the sterilization of medical devices and surgical packs.

Compare RapidHeat™ Processing with Steam

Pre-Programed Cycle	Sterile Processing Time (Minutes)		Dry Time Minimum (Minutes)		Total Process Time with Dry (Minutes)		Processing Capacity (lbs.)		Process Efficiency (Minutes/lb.)	
	M11	Pro11	M11	Pro11	M11	Pro11	M11	Pro11	M11	Pro11
Unwrapped	18	15	30	0	48	15	9	7	5.34	2.14
Handpieces	22	15	30	0	52	15	2.5	6.8	20.54	2.21
Wrapped-Pouched	22	15	30	0	52	15	9	7	5.78	2.14
Packs-Trays-Sets	44	150	60	0	104	150	7	12.4	14.86	12.1

NOTES:

- M11 Ultraclave® is a registered trademark of Midmark Corporation
- Pro11 processing times use the High-Temperature Cycle for Unwrapped, Handpieces, & Wrapped Instruments
- Pro11 processing times use the Low-Temperature Cycle for Packs-Trays-Sets
- Sterile Processing Time includes sterilization cycles and steam fill, heat-up and venting for M11
- M11 Dry Time for Packs represents the maximum setting allowable
- M11 data extracted and interpreted from Midmark published documents

Features:

- High and Low-Temperature processing capability
- Rectangular chamber allows greater capacity
- Easy and simple touch screen operation
- Non-corrosive waterless environment – **NO emissions**

Benefits:

- Faster instrument sterilization during critical need
- No drying cycle + No wet loads = No Delays
- Process surgical packs up to 3 ½" thick
- SAVES $$ on maintenance, repair and energy costs

RapidHeat vs. Steam

FEATURE COMPARISON

RH-Pro VET

HIGH-VELOCITY HOT AIR STERILIZERS

USES NO WATER COMPLETELY DRY CYCLE

MADE IN THE USA

Notable Feature	RapidHeat™	Steam
Sterilizer Preparation & Operation	Simple	Complex
Steam Source	N/A	Distilled Water
Cycle Documentation	Optional Printer & USB	Optional Printer
Instrument Drying Cycle	N/A	Mfr. Required
Potential for Instrument Corrosion	None	High
Energy Use (kWh/cycle)	11¢/cycle	74¢/cycle
Preventative & Corrective Maintenance	$200-$300/Year	$3000-$4000/Year

NOTES:

- Sterilizer Preparation & Operation is defined as the level of preparation and management required for instrument processing.
- Potential for Instrument Corrosion is absent in the dry environment of a RapidHeat sterilizer and high for instruments in a steam environment.
- Energy Use represents kilowatts of power used per hour when operating a sterilizer cycle. This study was conducted by the Rochester Institute of Technology comparing RapidHeat HVHA to two popular tabletop steam sterilizers.
- Preventative & Corrective Maintenance (averaged over sterilizer useful life) includes the time-cost of user employees performing routine sterilizer maintenance at regular intervals and the cost of engaging outside contractors to provide technical service and correct sterilizer failures.

RH-ProVET-9 AND RH-ProVET-11 Specifications

ELECTRICAL RATING	
RH-Pro9/Pro11 115 VAC	120 VAC +/- 10%, 60Hz, 12 Amps • 1400 Watts warm-up, 300 Watts operating Transient Over-Voltage Category II Applies
RH-Pro9/Pro11 230 VAC	230 VAC +/- 10%, 50/60Hz, 6 Amps • 1400 Watts warm-up, 300 Watts operating Transient Over-Voltage Category II Applies
Instrument/Material Compatibility	Identical Compatibility of Materials and Instruments for RH-Pro9 and RH-Pro11 Instrument Sterilization

DIMENSIONS	ProVET-9	ProVET-11
Weight	68.2 pounds (31 kg)	90 pounds (41 kg)
Width (OD)	19.63" (572mm)	21.25" (539.75mm)
Depth (OD)	20.00" (508mm)	22.5" (572mm)
Height (OD)	13.75" (349mm)	19.5" (495mm)
Chamber Dimension	9.5" (241mm) W • 15.6" (396mm) D 7.85" (199mm) H	11" (279mm) W • 17.75" (433mm) D 11.75 (299mm) H
Chamber Capacity	1163 cubic inches • (5 gal/19 liters)	2294 cubic inches • (10 gal/38 liters)
Instrument Tray (ID)	7.3" (76mm) W • 12" (305mm) D • 0.85" (22mm) H	9" (229mm) W • 15" (381mm) D • 1" (28mm) H
Instrument Tray Capacity (Total)	223 sq. inches (3 Trays)	540 sq. inches (4 Trays)

TOTAL PROCESSING CYCLE TIMES	ProVET-9	ProVET-11
Veterinary Surgical Packs	150 Minutes - Low-Temp Cycle	150 Minutes - Low-Temp Cycle
Unwrapped Instruments	15 Minutes - High-Temp Cycle, 30 Minutes - Low-Temp Cycle	15 Minutes - High-Temp Cycle, 30 Minutes - Low-Temp Cycle
Handpieces	15 Minutes - High-Temp Cycle, 30 Minutes - Low-Temp Cycle	15 Minutes - High-Temp Cycle, 30 Minutes - Low-Temp Cycle
Wrapped/Pouched Instruments	15 Minutes - High-Temp Cycle, 30 Minutes - Low-Temp Cycle	15 Minutes - High-Temp Cycle, 30 Minutes - Low-Temp Cycle
Wrapped Cassettes	60 Minutes - Low-Temp Cycle	60 Minutes - Low-Temp Cycle

LOAD CAPACITY	ProVET-9	ProVET-11
Veterinary Surgical Packs	1 Large Pack @ 1200 g/Pack or 1-2 Small Packs @ 700g/Pack	4 Large Packs @ 1200g/Pack or 8 Small Packs @ 700g/Pack
Unwrapped	2.4 kg; 120 Instruments	3.2 kg; 160 Instruments
Handpieces (Unwrapped and Wrapped)	15 Handpieces; 5 per Tray	24 Handpieces; 6 per Tray
Wrapped Instruments	2 kg; 8-10 Instruments/Pouch; 4 Pouches/Tray; 3 Trays/Load Total Instruments/Load: 96	3.2 kg; 8-10 Instruments/Pouch; 5 Pouches/Tray; 4 Trays/Load Total Instruments/Load: 160
Wrapped Cassettes 5.5" x 8" x 1.5"	3 Cassettes (Total: 24 Instruments)	8 Cassettes (Total: 80 Instruments)
Wrapped Cassettes 8" x 11" x 1.5"	No 8" x 11" Cassettes	4 Cassettes (Total: 80 Instruments)

ENVIRONMENTAL OPERATING CONDITIONS (INDOOR) - STANDARD STERILIZATION CYCLES
Temperature Range of 5°C to 40° C (41°F to 104°F) • Operating Temperatures of 160°C (320°F) and 190°C (375°F) • Maximum Relative Humidity of 80% up to 31°C (88°F). Decreasing linearly to 50% at 40°C (104°F) • Pollution Degree 2 applies in accordance with IEC 664 • Maximum altitude of 2000 meters (6562 ft.)

CERTIFICATIONS	
Markings	UL, CE, US FC
FDA 510(k)	K872643A; K881371
Warranty	3-Years (Parts & Labor)
Patents Pending	

CPAC ENVIRONMENTAL SOLUTIONS
2364 Leicester Road • PO Box 175 • Leicester, NY 14481
CPAC.COM • 800-828-6011