



ANY ENVIRONMENT. ANY TEMPERATURE.

ACT's Tekgard® brand of Environmental Control Units (ECUs) and Liquid Cooling Chiller Systems are custom engineered for military, government and industrial applications. Located in central Pennsylvania, ACT has a state-of-the-art facility with over 63,000 square feet dedicated to designing, manufacturing and testing Environmental Control Units (ECUs). With over 10,000 ECUs deployed worldwide, the Tekgard® brand is the trusted name for quality products that are reliable and capable of performing in any environmental condition.

VERTICAL



HORIZONTAL



UNITARY



Single Phase Power
110, 230, 240V | 50, 60 Hz

Three Phase Power
208, 220, 380, 440 V | 50, 60 Hz

DC Power
224, 48, 270 V

HYBRID



The Vaphtek™ environmental control unit is an optional component than can be added to most of our ECU and Chiller units to introduce "free cooling". It has been overhauled with improved temperature control and switches automatically between modes for maximum efficiency.

- Up to 70% reduction in power draw while in P2P mode
- Rugged, durable design keeps out dirt, debris, and moisture
- Automatic cooling control switches when the temperature delta changes

Tekgard®
ECU



Tekgard®
Chiller



Vaphtek™
ECU



Configuration	Chassis Description*	Cooling Capacity (BTU/HR)	Electric Heat (kW)	Power Draw (kW)	Approximate Weight (lbs)	Width (inches)	Depth (inches)	Height (inches)
Unitary, direct mount	U24	24,000	5.5	6.5	250	31"	32"	24"
Unitary, ducted	U24	24,000	5.5	6.5	250	31"	34"	24"
Unitary, ducted	U42	42,000	7	8.5	500	48"	45"	32"
Horizontal, direct mount	H48	48,000	9, 12	11, 14	500	70"	36"	35"
Horizontal, ducted	H60	60,000	12, 18	14, 20	575 (720 w/skid)	34"	65"	42"***
Horizontal, ducted	H96	96,000	18	21	750 (900 w/skid)	34"	71"	44"***
Horizontal, ducted	H144	144,000	25	32	1,150 (1,530 w/skid)	44"	82"	49"***
Vertical, direct mount	V12	12,000	-	2.5	160	29"	27"	40"
Vertical, direct mount	V40	40,000	6	10.5	450	39"	24"	71"
Vertical, direct mount	V72	68,000	12	15	575	39"	30"	81"
Vertical, ducted	V96	96,000	12	19	850	45"	100"	100"

*Chassis naming convention = orientation + capacity. ** Add 6" to height for skid.
 ***Vaphtek™ can be added to most configurations without impacting overall package size.

COMPANY CAPABILITIES

DESIGN

We are dedicated to working with customers on the research, development, design and testing of new heating and cooling technologies.

MANUFACTURING

Our highly skilled staff is committed to using approved, detailed work instructions and adhering to stringent quality-control standards.

TESTING

Every unit undergoes rigorous testing in our calibrated test chambers to ensure 100% performance compliance and reliability.

FIELD SERVICE, TRAINING & TECHNICAL MANUALS

On-site technician service, system familiarization, training events and technical writing services.

REPAIR OF REPAIRABLE/DEPOT SERVICE

We provide services to restore ECUs and their support equipment back to working conditions, regardless of the original manufacturer.

SPARE PARTS SUPPLY

To maximize a product's life, we provide field-repair and upgrade solutions for obsolete parts, and we maintain an inventory of spare parts.

