

RESIDENTIAL WATER HEATERS

Commercial-grade hot water delivery is now more attainable than ever. The Lochinvar®HVC provides flexible, powerful and highly efficient performance to the everyday home. The fully condensing high value design is so advanced, it can deliver continuous hot water at a constant flow of over 2.5 gallons per minute.*

HIGH VALUE CONDENSING WATER HEATER

STANDARD FEATURES

ENERGY STAR® QUALIFIED

ADVANCED ELECTRONIC CONTROL - Precise temperature control with built-in diagnostics and operational information.

CONDENSING DESIGN - High efficiency operation with up to 0.90 Uniform Energy Factor to save money on operating costs.

HELICAL INTERNAL HEAT EXCHANGER -Spiral heat exchanger keeps hot combustion gases in the tank longer to lengthen the heat transfer cycle.

- Positioned in the center of the tank for more even heat distribution.
- Spiral design reduces lime scale formation on the heat exchanger to maintain high efficiency operation over time.

POWER VENT AND POWER DIRECT VENT WITH A SINGLE DESIGN - Combined vertical and horizontal runs terminating through an outside wall. Vents using PVC, CPVC, or polypropylene pipe.

- 2" pipe, vents up to 60 equivalent feet
- 3" pipe, vents up to 150 equivalent feet

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS - Allows HVC to be installed as part of combination space heating/water heating applications.

AVAILABLE IN NATURAL GAS AND PROPANE

SIDE FIRED GAS BURNER - Unique side fire design allows for optimal burner efficiency.

BLUE DIAMOND® GLASS COATING - Provides superior corrosion resistance compared to industry standard glass lining.

LEAK PROTECTION TECHNOLOGY - Comes standard with dual sacrificial anodes to protect the tank.

- Optional Powered Anode available for enhanced tank protection in all water conditions.
- Includes Leak Detection smart sensor that alerts audibly and visually if a leak occurs.

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

CODE COMPLIANCE

- Meets IBC and ICC national codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

DESIGN-CERTIFIED BY CSA - Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1 - CSA 4.1 standards governing storage tank-type water heaters.

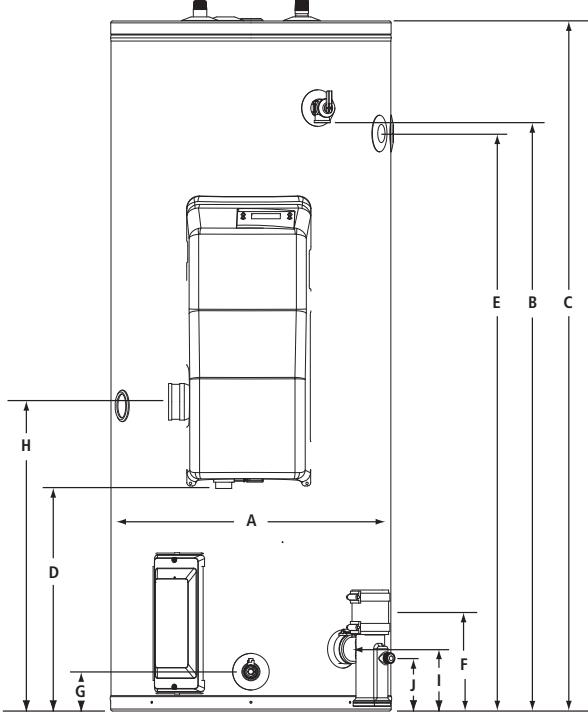
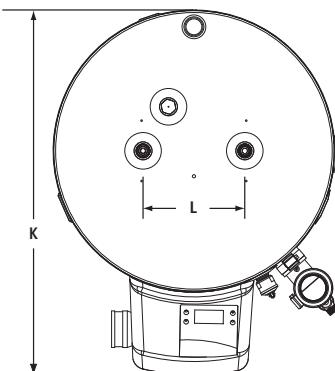
8-YEAR LIMITED TANK AND PARTS WARRANTY - For complete information, consult written warranty or go to lochinvar.com

*Continuous hot water based on 65,000 BTU unit, 2.8 GPM continuous flow with a 65°F inlet water temperature, 110°F outlet temperature, and a unit installed per the manufacturer's instructions



DIMENSIONS AND SPECIFICATIONS

HIGH VALUE CONDENSING GAS WATER HEATER								
Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90° Rise Gallon Per Hour	BTU Input Per Hour	Approx. Shipping Weight (lbs)
LHPCT-40L	40	39	86	0.90	93%	62	50,000	216
LHPCX-50L	50	48	118	0.90	93%	81	65,000	246



	Description:	Dimensions in inches	
		40 GAL	50 GAL
A	Diameter	22	22
B	Height to T&P	38-3/8	47-3/8
C	Height to TOP	44-7/8	54-1/4
D	Height to Gas Connection	16-1/2	17-1/2
E	Height to Upper Side Connect	36-3/8	45-3/8
F	Height to Lower Side Connect	8-5/8	7-7/8
G	Height to Drain Valve	3-7/8	3
H	Height to Air Intake	22-1/8	24-1/4
I	Height to Exhaust	5-3/8	4-7/8
J	Height to Condensate Connection	5-1/2	4
K	Overall Depth	28-1/2	28-1/2
L	Water Connections	8	8

For technical information call 800-722-2101. Lochinvar, LLC reserves the right to make product changes or improvements without prior notice.



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LHPCT - 01



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