

CuB Series Gas-Fired, Wall Hung Modulating Hot Water Boiler

Labor Saver™ Manifold



Available in both Combi & Space Heating-Only models

- ▶ 85% AFUE efficiency
- ► Inducer fan and gas valve modulate for operation between 33% and 100% of capacity for fuel economy
- Chimney or Horizontal Vent
- Advanced Controls Digital Display with temperature indication, diagnostics and status symbols showing: Heating mode, Burner On and Burner Modulation Level
- Durable Lightweight One Piece Steel Jacket
- ▶ 10-Year Limited Copper Heat Exchanger Warranty
- 2-Year Limited Parts Warranty

Combination (Combi) - Heating and Domestic Hot Water (Model CCB-150)

- Available in 150 MBH
- Advanced Controls additional DHW mode
- Stainless Steel Brazed Plate Heat Exchanger for potable domestic hot water

Space Heating-Only (Models CHB-100, CHB-130 & CHB-150)

- Available in 3 sizes: 100, 130 and 150 MBH
- Dedicated DWH connections for adding an Indirect Water Heater

Shown with optional floor base





Simple...

Modern doesn't mean complicated...

Some of the best ideas actually are pretty simple, like the new Utica CuB. The CuB Series is a "best of both worlds" alternative to large conventional cast iron boilers and more expensive wall hung condensing boilers. CuB saves on living space, is lightweight and wall hung.

The Utica CuB Series is ideal for both heating only and "combi" or combination heating and domestic hot water applications including:

- Single Family Homes
- Apartments/Multi-Family Dwellings with Individual Appliances
- Retro-fits for High Temperature Systems



The CuB's special copper heat exchanger design with a protective high temperature coating ensures years of reliable operation. The CuB is much smaller and lighter yet transfers heat seven times faster than cast iron.

Copper makes the CuB a compact, lightweight unit that saves valuable space and protects the boiler from basement flooding by getting it up off the floor. If wall mounting is not practical, an optional floor base is available.

Economical...

Modulation -

The CuB's advanced control system gives you what you want when you need it. Your heating systems' boiler is sized to keep you warm during the coldest days of the year. But in the summer months all that fuel is not required to keep you warm and comfortable. The CuB's advanced modulating control system measures how much fuel is required based on load conditions (how cold it is outside) and delivers only what is needed. This is modulation and it burns less fuel, saves you money and is good for the environment.

The CuB boiler is 85% efficient, however the actual efficiency of a boiler is dependent upon the heating system it is matched with. If your home was designed

to minimize the amount of heat emitters (baseboard, radiators etc.) then it was likely designed to run at high temperature water supply which is ideal for a non-condensing boiler.

Conversely, if your home was designed for maximum heat emitters, then it was designed to operate at low temperature water supply and should be matched with a condensing boiler like the Utica SSC 95% model to maximize efficiency. Make sure to consult with your professional contractor to match the right boiler to your heating system to maximize efficiency and make the best choice for your home.

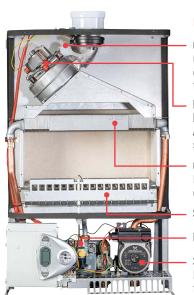
Dependable...

The CuB Series features proven copper heat exchanger technology that has been in use for decades and reliable direct spark ignition. Utica's quality construction is backed by a full 10 year limited copper heat exchanger warranty and a 2-year limited parts warranty.

The CuB is a simple, economical, dependable approach to residential heat and domestic hot water.



CuB Combi Unit (CCB-150)



FRONT OF BOILER

Cold Climate Operation

Condensate collector keeps condensation from impacting the pressure switch operation.

Modulating Fan With Air Pressure Sensor

Automatically adjusts the fan speed according to the flue draft.

Copper Heat Exchanger

Features high temperature corrosion resistant protective film.

Stainless Steel Burners

Modulating Gas Valve

3-Speed Pump with Anti-Seize

Every 24 hours, pump will run for 5 seconds.

CONTROL DISPLAY



LCD Display

- DHW Request
- Eco/Comfort
- CH RequestOperating Temp.
- Burner On
 - Burner Power

Reset

Central Heating Settings

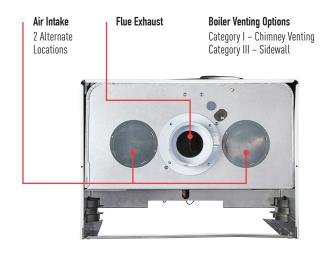
Water Pressure and Temperature Gauge

Domestic Hot Water Settings

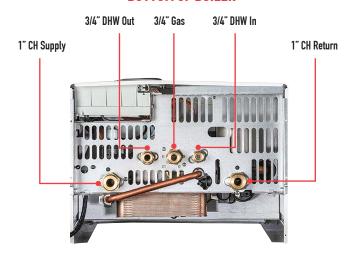
ON/OFF and Comfort Mode Key

BACK OF BOILER Air Vent Integrated in the pump block. 24-Volt Diverting ValvePriority for Domestic Hot Water DHW Stainless Steel Brazed Plate Heat Exchanger

TOP OF BOILER



BOTTOM OF BOILER



Utica CuB Series Gas-Fired Hot Water Boiler

Dimensional Diagram	Model	Input Rate (MBH) ⁽¹⁾	Heating	Net AHRI Rating, Water (MBH) (1)(3)	Vent Diameter		A F.11 F. 07 (2)	
	Modet		(MBH) (1)(2)		To Chimney (4) (Category I)	Horizontal Vent* (Category III)	AFUE % (2)	
	CCB-150	150	127	110	4"	3"	85	
CCB-150 / CHB-150 Shown	CHB-150	150	130	110	4"	3"	85	
COD TOO TOND TOO ONOW!!	CHB-130	130	110	96	4"	3"	85	
See IOM for dimensions on other models.	CHB-100	100	85	73	4"	3"	85	
	*Horizontal V	enting requires field s	upplied appliance ad	apter for the boile	r flue outlet.			
TOP	(1) 1000 Btu/	(1) 1000 Btu/hr (British Thermal Units Per Hour)						
Width 17-23/32"	(2) Heating Ca	(2) Heating Capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures.						
	installations	having unusual piping	and pickup requirem	ents, such as inte	rmittent system operation, 	rer before selecting boiler extensive piping systems,	etc.	
	that the conr provisions of	nection to the chimney the local building cod	will always be 4". Pl les for details concer	ease refer to IOM, ning proper chimn	National Fuel Gas Code, A ey connections.	y vent applications. This do NSI Z223.1/NFPA54, or appl		
	General Info	ormation (See In:	stallation, Opera	tion and Maint	enance Manual for co	· r		
Leight 27-9/16"		Ton	Тор		Combustible Materials (Required) ⁽⁴⁾	Servi	Service (4) (5)	
	Clearances	100			16" (41 cm) 16" (41		cm)	
	(4) Required dis	tances Left	Left Side		0" (0 cm) 1" (3 cm)		cm)	
	measured from		Right Side		0" (0 cm) 1" (3 c		cm)	
	jacket.	Fron	Front		0" (0 cm) 1" (3 c		cm)	
	(5) Service, prop	ner Back	Back		0" (0 cm) 0" (0 c		cm)	
	operation cleara recommendation		Bottom		0" (0 cm) 12" (30		cm)	
	Teconiniendation	Com	Combustion Air/Piping		0" (0 cm)	3/8" (1 cm)		
		Vent	Vent Piping 6" (15 cm) 6" (15 cr			cm)		
	Connections CCB-150							
	Connections CHB-130 & CH	CHB-130 & CHB-100 Return/Supply Water I , Gas in 3/4 NPI, Indirect lank 3/4 NPI						
	Electrical	120 V	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)					
	Water Content	CCB-			317 Gallons, CHB-100: .21	1 Gallons		
SIDE Depth 13"			Model	Width	Heigh	<u>_</u>	Weigh	
	Dimensions/	CCE	3-150/CHB-150	17-23/32			78/73	
	Weights		CHB-130	15-3/4	- 1		69	
			CHB-100	15-3/4	27-9/	16" 13"	65	
Boiler Control Module: High Limit/Electronic Ignition Control. User Display Interface: Digital Temperature Display with diagnostics an Heat Exchanger: Copper Fin Tube. (CCB-150 combination boiler includes exchanger - 3.6 gpm at 70°F Temperature Rise, 6.3 gpm at 40°F Temper Valve: 3-Way Water Diverting Valve. Standard Equipment Standard Equipment Combustion: Completely Installed and Wired Modulating Gas Control Sy and Manifold consisting of: Automatic Modulating Gas Valve, Direct Spar Spark Electrode/Flame Sensor. Safety: Pressure Switch (vent safety shutoff). Other: Primary/Secondary Manifold, Assembled Boiler with Jacket, Indu Gauge, Circulator Pump, Gas Shut Off Valve and Field installed - 30lb. As						Tainless steel brazed plate her Prise) In (100% to 33%) with Stainle Inition Control, 100% Shut Off, Draft Fan, Combination Tempe	ss Steel Burn Combination	
	Options		Floor Base, LP Gas Conversion Kit, Horizontal Vent Termination Concentric Kit, Indirect Hot Water Tank Sensor, Outdoor Air Temperature Reset Sensor.					
	Certifications	(6)	Tested for 43.5 psi. ASME Working Pressure					



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All specifications subject to change without notice.
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