

COMMERCIAL WATER HEATERS

The Copper-fin Atmospheric water heater features a simple design to deliver trouble free installation, long lasting durability and prevention from lime scale buildup.

STANDARD FEATURES

- **Copper Finned Tube Heat Exchanger** - The heart of the Copper-Fin water heater is its copper finned tube heat exchanger. The gasketless copper tube heat exchanger design reduces the risk of leaks or system failures that are common with conventional water heaters.



- **Built-In Draft Hood** - With our built-in draft hood, the Copper-Fin water heater installs easily in applications where overhead space is limited and headroom restrictions exist.

- **Loch-Heat™ Ceramic Tile** - Our incredibly durable, Loch-Heat ceramic tile will not crack or split and provides the benefit of an overall water heater weight reduction of 25% over other refractory material.

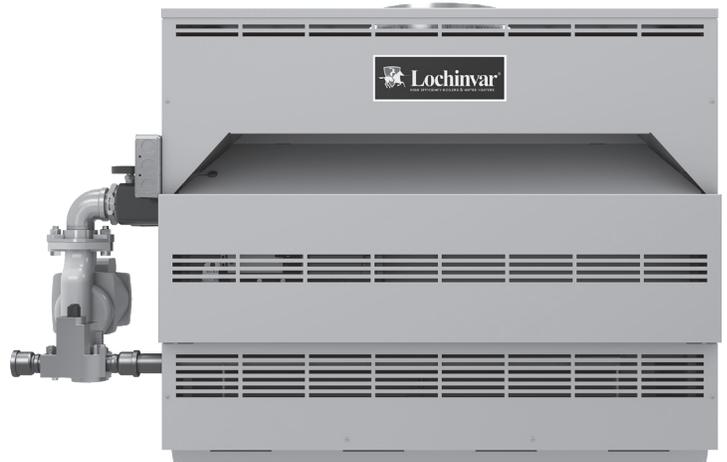
- **A Better Idea** - The Better Idea system combines the Copper-Fin water heater with a separate round jacketed storage tank to provide a high performance water heating system.

- **Serviceability** - The water heater's design allows for easy access to all major components for servicing. The heat exchanger is designed to slide out the front of the water heater for faster maintenance.

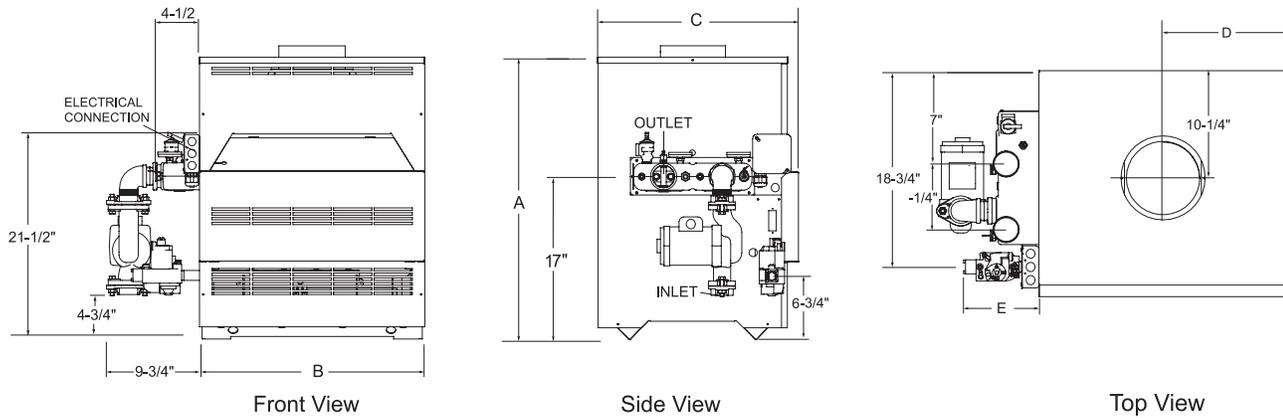
- **ASME Temperature & Pressure Relief Valve** - Factory installed.

- **3-year limited Heat Exchanger Warranty, 1-year parts warranty** - See warranty for details.

COPPER-FIN® GAS FIRED WATER HEATERS



COPPER-FIN® WATER HEATER DIMENSIONS & SPECIFICATIONS



Copper-Fin Water Heater				Dimensions & Specifications							
Model Number	Input MBH	GPH @ 100°F Rise	A	B	C	D	E	Vent Size	Gas Conn.	Ship. Weight	
CWN090PM*	90,000	87	29-1/2"	15-1/2"	21-1/2"	7-3/4"	6-1/4"	5"	1/2"	175	
CWN135PM*	135,000	131	29-1/2"	19-1/2"	21-1/2"	9-3/4"	6-1/4"	6"	1/2"	195	
CWN180PM*	180,000	175	29-1/2"	23-1/2"	21-1/2"	11-3/4"	7-1/4"	7"	3/4"	220	
CWN199PM*	199,000	193	29-1/2"	26-1/2"	21-1/2"	13-1/4"	7-1/4"	7"	3/4"	230	
CWN201PM	201,000	193	29-1/2"	26-1/2"	21-1/2"	13-1/4"	7-1/4"	7"	3/4"	230	
CWN225PM	225,000	218	29-1/2"	26-1/2"	21-1/2"	13-1/4"	7-1/4"	7"	3/4"	235	
CWN270PM	270,000	262	29-1/2"	29-1/2"	21-1/2"	14-3/4"	7-1/4"	8"	3/4"	240	
CWN315PM	315,000	305	29-1/2"	32-1/2"	21-1/2"	16-1/4"	6-1/4"	8"	3/4"	250	
CWN360PM	360,000	349	29-1/2"	35-1/2"	21-1/2"	17-3/4"	8-1/4"	9"	1"	270	
CWN399PM	399,000	387	29-1/2"	44-1/2"	22"	22-1/4"	5-1/2"	10"	1"	340	
CWN500PM	500,000	485	34-1/2"	52-1/2"	22"	26-1/4"	9-1/2"	10"	1"	365	

Notes: Change 'N' to 'L' to denote L.P. gas models
 No deration for L.P. models.
 Water Connections are 2" NPT on 6-1/4" centers.
 Performance data is based on manufacturer test results.

*Canada Only

Standard Features

- Built-In Draft Diverter
- Stainless Steel Burners
- ASME Copper Finned Tube Heat Exchanger
- 160 psi Working Pressure
- Gasketless Heat Exchanger Design
- All Bronze Circulating Pump
- Pump Delay/Freeze Protection
- Remote Tank Thermostat
- Glass-Lined Water Surfaces
- Loch-Heat Ceramic Tile Combustion Chamber
- ASME Temperature & Pressure Relief Valve
- Terminal Strip
- Automatic Reset High Limit
- Manual Reset High Limit
- Self Diagnostic Indicator Lights

- 24 Volt Control System
- CSA Design Certified for Alcove Installation
- CSA Design Certified for Installation on Combustible Floors
- 3 Year Limited Warranty on Heat Exchanger

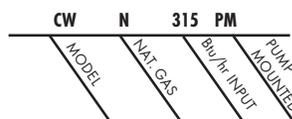
Optional Equipment

- Adjustable High Limit w/ Manual Reset
- Contacts on any Failure (CW 315-500)
- Contacts for Air Louvers (CW 315-500)
- Cupro-Nickel Heat Exchanger
- Flow Switch
- Low Water Cut-Off
- Stack Frame
- PVC Venting Kit (CW 90-135)

Firing Controls

- F1 - Standing Pilot (Standard CW 90-270)
- F9 - Intermittent Spark Ignition (Standard CW 315-500)
- F7 - California Code (CW 225-500)

FOR EASE IN ORDERING BY MODEL NUMBER



This model is a 315,000 Btu/hr, natural gas Copper-Fin water heater.



Lochinvar, LLC
 300 Maddox Simpson Parkway
 Lebanon, Tennessee 37090
 P: 615.889.8900 / F: 615.547.1000
 Lochinvar.com

