



Westinghouse

Advanced Heating & Hot Water Systems

Product Catalog



www.westinghousewaterheating.com



Westinghouse

316L Stainless Steel Residential Electric Water Heater

INDUSTRY BEST
**6 Year, 9 year &
LIFETIME**
WARRANTIES

Available When Registered Online

No Anode
Rods Needed

Lightweight
and Durable

40 & 52
Gallon Tanks



Made in the USA



**THERMOSTAT AND
HIGH LIMIT CONTROLS:**
Residential Temp: min 110° F
max 150° F

**TOP OF THE TANK
CONNECTION:**
Brass nipples with heat traps

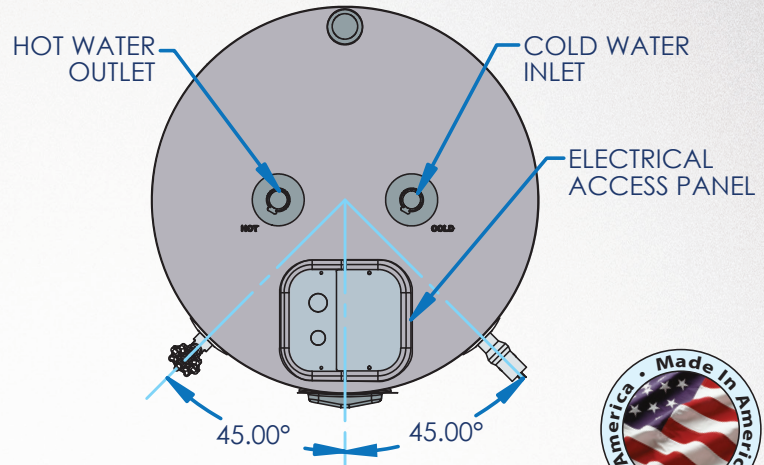
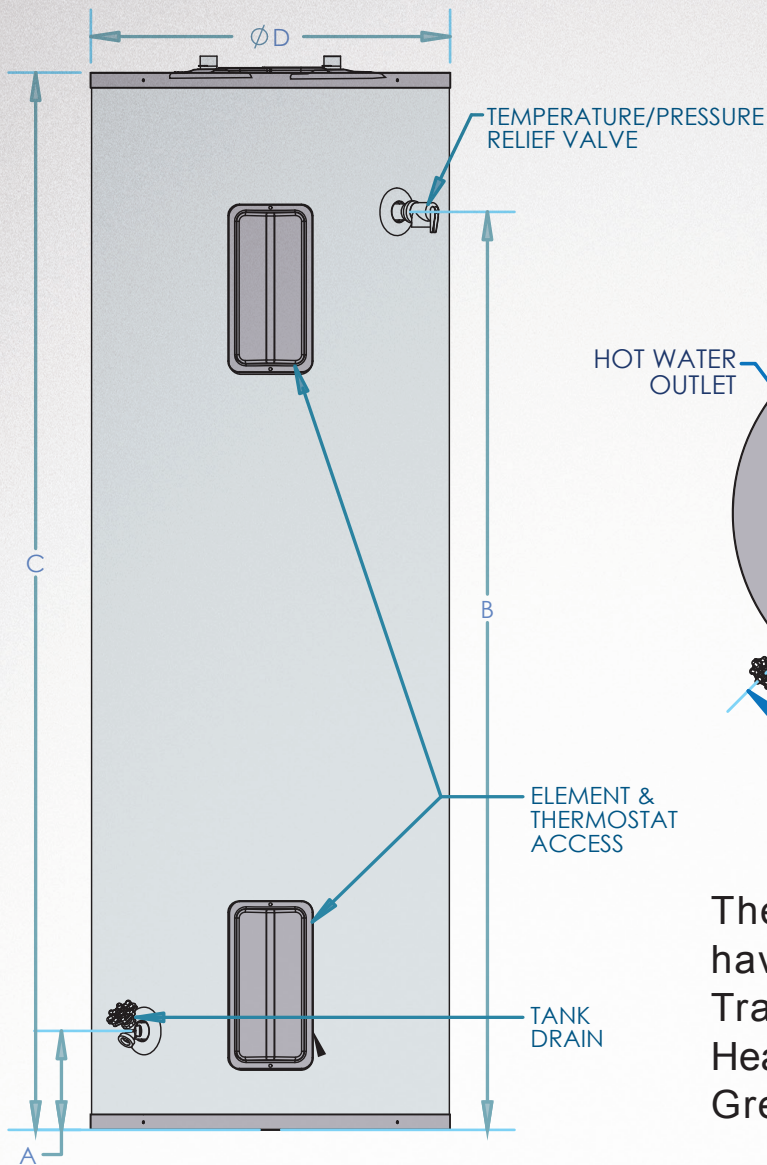
THE FINEST PROTECTION:
Laser welded through a concentrated heat source producing high quality, long lasting, 316L stainless steel tank construction (lightweight) - Superior corrosion resistance, eliminates the need for anode rods, protects against harsh water conditions for a life-time of durability against leaks. Fantastic Limited Warranty

MINIMAL HEAT LOSS:
Heavy-duty insulation

TITANIUM ELEMENTS:
Low watt density; Titanium screw plugs; Increases corrosion resistance for extended, longer element life

BUILT TO LAST LONGER

Dimensions & Specifications



The Inlet & Outlet have Built in Heat Traps, Keeping the Heat in the Tank for Greater Efficiency

NO ANODE RODS NEEDED
RESISTS SCALE BUILD UP
LIGHT WEIGHT

SPECIFICATIONS AND DIMENSIONS							WATER TEMPERATURE RATINGS		
Models	Nominal Gallon	DOE Rated Storage Vol. (Gal)	A	B	C	D	Minimum Delivered Temp.	Maximum Delivered Temp.	High Temp. Limit
WER040C2X045*	40	39	5.75"	46"	54.25"	19.5"	110°F 43.3°C	150°F 65.5°C	170°F 76.6°C
WER040C2X055*									
WER052C2X045*	52	48	5.75"	58.25"	66.75"	19.5"			
WER052C2X055*									

Residential Models	Wattage	Voltage	Safety Listing	AHRI First Hour Rating	First Hour Bin	Recovery Efficiency	Recovery @ 90° F Rise	UEF	Shipping Weight
WER040C2X045*	4500	240	UL174	58 Gallons	Medium	98%	20 Gallons	.94	104 lbs
WER040C2X055*	5500			58 Gallons			25 Gallons		
WER052C2X045*	4500	240		62 Gallons	Medium	98%	20 Gallons	.93	118 lbs
WER052C2X055*	5500			62 Gallons			25 Gallons		

* Add a "N06" or a "N09" to the end of the model number for 6 and 9 year warranty options.

Energy Factor based on D.O.E. (Department of Energy) test procedures. Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring.



Westinghouse

316L Stainless Steel Light Commercial Electric Water Heater

INDUSTRY
BEST
LIFETIME
WARRANTY

(When Registered Online)

No Anode
Rods Needed

Lightweight
and Durable

80,100 & 115
Gallon Tanks



Made in the USA



**THERMOSTAT AND
HIGH LIMIT CONTROLS:**
Commercial Temp: min 120°F
max 181°F

**TOP OF THE TANK
CONNECTION:**
Brass nipples with heat traps

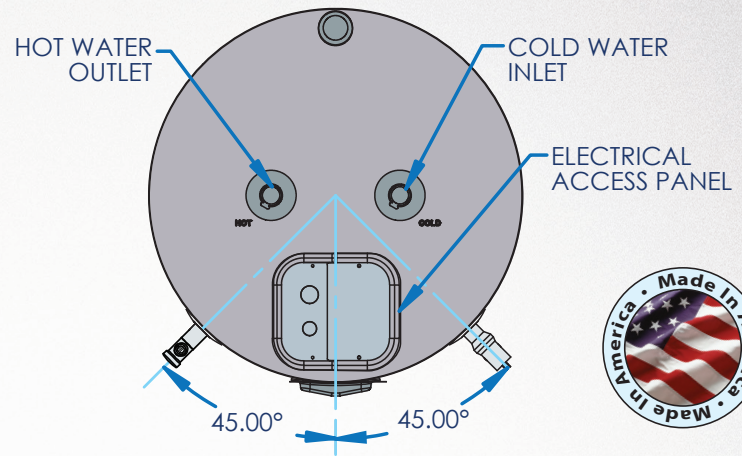
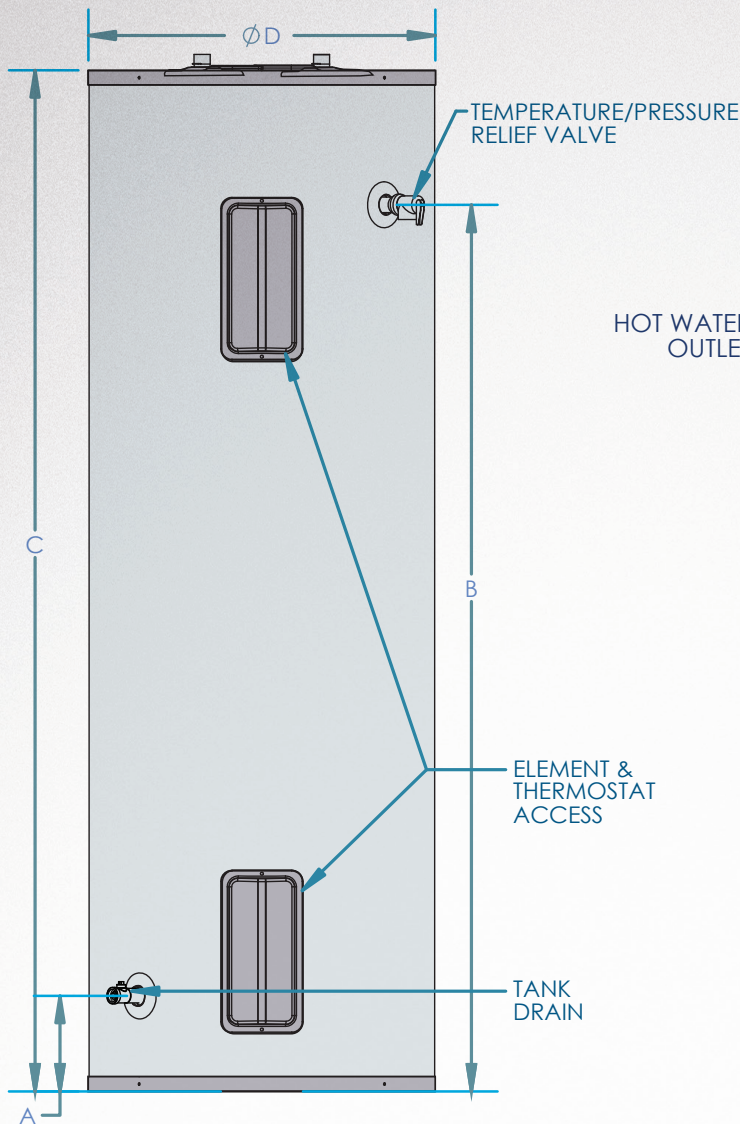
THE FINEST PROTECTION:
Laser welded through a concentrated heat source producing high quality, long lasting, 316L stainless steel tank construction (lightweight) - Superior corrosion resistance, eliminates the need for anode rods, protects against harsh water conditions for a lifetime of durability against leaks. Fantastic Limited Warranty

MINIMAL HEAT LOSS:
Heavy-duty insulation

TITANIUM ELEMENTS:
Low watt density; Titanium screw plugs; Increases corrosion resistance for extended, longer element life

BUILT TO LAST LONGER

Dimensions & Specifications



The Inlet & Outlet have Built in Heat Traps, Keeping the Heat in the Tank for Greater Efficiency

NO ANODE RODS NEEDED
RESISTS SCALE BUILD UP
LIGHT WEIGHT

SPECIFICATIONS AND DIMENSIONS						WATER TEMPERATURE RATINGS		
Models	Gal.	A	B	C	D	Minimum Delivered Temp.	Maximum Delivered Temp.	High Temp. Limit
WEC080C2X045	80	6.5"	60"	69"	23.25"	120°F 48.8°C	181°F 82.8°C	200°F 93.3°C
WEC080C2X055								
WEC100C2X045	100	7.25"	52"	61"	27"			
WEC100C2X055								
WEC115C2X045	115	7.25"	60.25	70.5"	27"			
WEC115C2X055								

Light Commercial Models	Wattage	Voltage	Safety Listing	First Hour Delivery	Recovery @ 90° F Rise	Thermal Efficiency	Shipping Weight
WEC080C2X045	4500	240	UL1453	84 Gallons	20 Gallons	98%	151 lbs
WEC080C2X055	5500			89 Gallons	25 Gallons		
WEC100C2X045	4500	240		87 Gallons	20 Gallons	98%	206 lbs
WEC100C2X055	5500			92 Gallons	25 Gallons		
WEC115C2X045	4500	240		105 Gallons	20 Gallons	98%	224 lbs
WEC115C2X055	5500			110 Gallons	25 Gallons		

Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring.



Westinghouse

316L Stainless Steel Commercial 3 Element Electric Water Heater

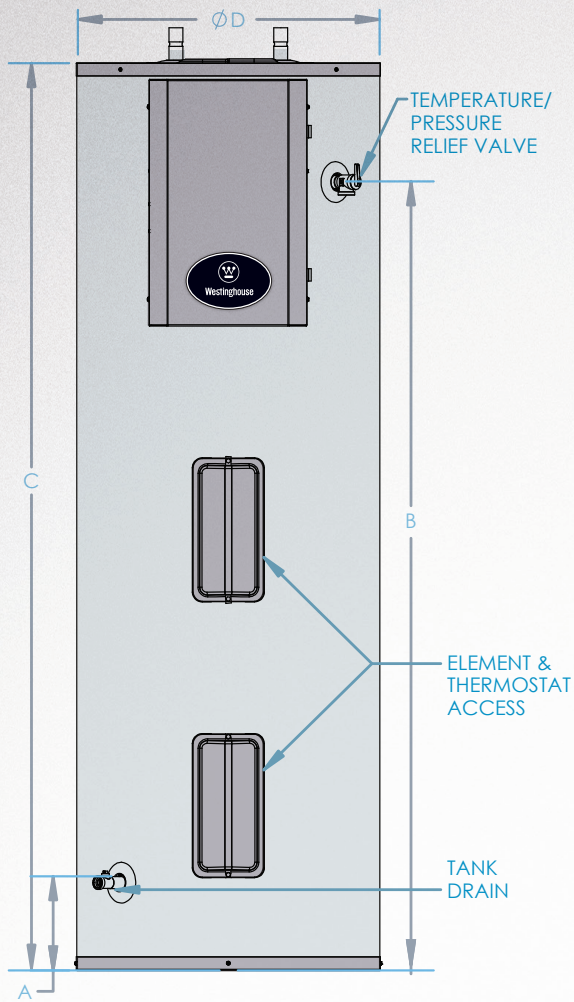
- Three tank capacities offered in 80, 100 & 115 gallon sizes
- Multiple wiring configurations for installation versatility, to meet any job requirement
- Terminal block for ease of field wiring
- Internally fused for added protection
- Durable steel enclosure - hinged cover provides easy access to internal fuses and wiring
- **3 TITANIUM ELEMENTS** provide additional capacity for longer continuous operation and quicker recovery between hot water draws

Limited 10 Year Warranty

with online registration,
5 years if not registered

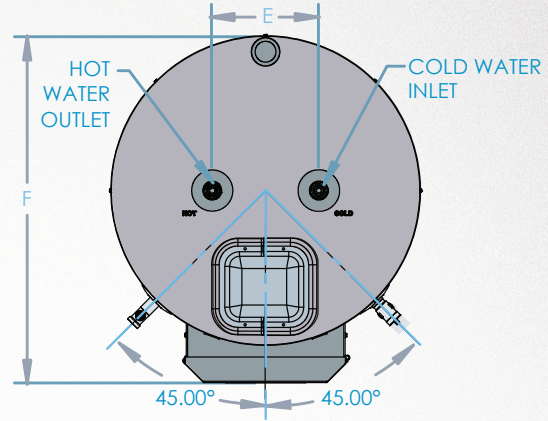


NO ANODE
RODS NEEDED
EXCLUSIVE TITANIUM
LOW-DENSITY
HEATING ELEMENTS
LIGHTWEIGHT
RESISTS SCALE
BUILD-UP



Specifications

The Inlet & Outlet have Built in Heat Traps, Keeping the Heat in the Tank for Greater Efficiency



Specifications and Dimensions										Water Temperature Ratings			
Models	Volts/ Watts	Gal.	A	B	C	D	E	F	Hot / Cold Inlets	Shipping Weight (Est.)	Minimum Delivered Temp.	Maximum Delivered Temp.	High Temp. Limit
WEC080C3W135	240 / 13,500	80	6.5"	60"	69"	23.25"		26"		165lbs			
WEC080C3W165	240 / 16,500												
WEC080D3W180	277 / 18,000												
WEC080E3W180	480 / 18,000												
WEC100C3W135	240 / 13,500	100	7.25"	52"	61"	27"	8"	30"	3/4" NPT	220lbs	135°F 57.2°C	181°F 82.8°C	200°F 93.3°C
WEC100C3W165	240 / 16,500												
WEC100D3W180	277 / 18,000												
WEC100E3W180	480 / 18,000												
WEC115C3W135	240 / 13,500	115	7.25"	60"	69"	27"				240lbs			
WEC115C3W165	240 / 16,500												
WEC115D3W180	277 / 18,000												
WEC115E3W180	480 / 18,000												

Optional Element Kits (Sold Separately)					
Gallons	Input (watts)	208v	240v	277v	480v
80 100 115	12,500	B3W125	NO	NO	NO
	13,500	B3W135	C3W135 (standard)		E3W135
	14,000	NO	NO	D3W140	NO
	15,000		C3W150	D3W150	E3W150
	16,000		NO	D3W160	NO
	16,500		C3W165 (standard)	NO	E3W165
	18,000		NO	D3W180 (standard)	E3W180 (standard)



Westinghouse

316L Stainless Steel Medium Duty Commercial Electric Water Heater



NO ANODE
RODS NEEDED
EXCLUSIVE TITANIUM
LOW-DENSITY
HEATING ELEMENTS
LIGHTWEIGHT
RESISTS SCALE
BUILD-UP

Standard: Two 240 volt, three phase, non-simultaneous (unbalanced) configuration with 4500W elements (available in other configurations)

Water heaters can be converted to single phase and/or simultaneous operation in the field

Top inlet with dip tube directs cold water to the bottom of the tank, minimizing the mixing of cold and heated water and providing long draws of hot water

3/4" inlet and outlet nipples constructed of durable brass

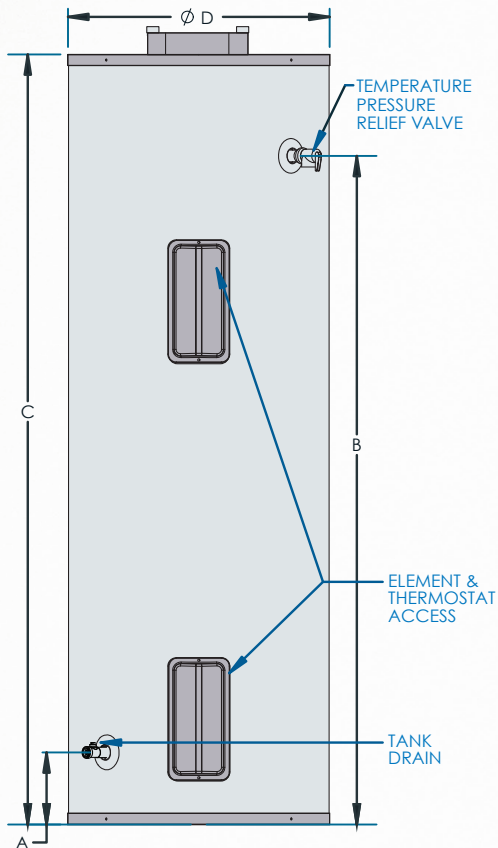
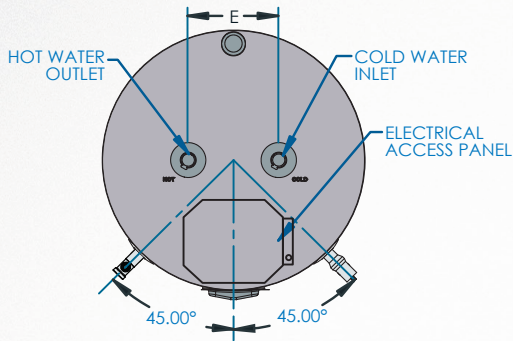
Adjustable temperature up to **181°F**



Product Ships with 2 Titanium Elements
Installed of the Highest Quality

MEDIUM DUTY COMMERCIAL LARGE VOLUME 3 PHASE

- Standard: Two 240 volt, three phase, non-simultaneous (unbalanced) configuration with 4500W elements (available in other configurations)
- Water heaters can be converted to single phase and/or simultaneous operation in the field (dual element models only).
- Top inlet with dip tube directs cold water to the bottom of the tank, minimizing the mixing of cold and heated water and providing long draws of hot water
- 3/4" inlet and outlet nipples constructed of durable brass



Specifications and Dimensions (3 Phase Option)									Water Temperature Ratings		
Models	Gal.	A	B	C	D	E	Shipping Weight Est.	Hot/Cold Water Inlets	Minimum Delivered Temp.	Maximum Delivered Temp.	High Temp. Limit
WEC030C2T045	30	6"	34"	42.25"	19.5"	8"	89 lbs	¾" NPT	135°F 57.2°C	181°F 82.8°C	200°F 93.3°C
WEC040C2T045	40	6"	46"	54.5"	19.5"		104 lbs				
WEC050C2T045	50	6"	58"	66.5"	19.5"		118 lbs				

Field Conversion Kits are Available for Commercial Units to Field Convert the Element Wattage/Voltage Rating

Gallons	# Elements and Thermostats	Non-Simultaneous	Simultaneous	120	208	240	277	480
30 40 50	2	3,000	6,000	NO	B2W060N	C2W060N	NO	E2W060N
		3,500	7,000		B2W070N	C2W070N		NO
		4,000	8,000		B2W080N	C2W080N	D2W080N	E2W080N
		4,500	9,000		B2W090N	C2W090N	D2W090N	E2W090N
		5,000	10,000		B2W100N	C2W100N	D2W100N	E2W100N
		5,500	11,000		NO	C2W110N	D2W110N	E2W110N
		6,000	12,000			C2W120N	D2W120N	E2W120N

Input Wattage	Single and Three Phase Non-Simultaneous Operation			
	208 Volts	240 Volts	277 Volts	480 Volts
3,000	14.4	12.5	12	6.3
4,000	19.9	16.7	14.4	8.3
4,500	21.6	18.8	16.8	9.4
5,000	-	20.8	18	10.4
5,500	-	22.9	19.2	11.5
6,000	-	25	21.6	12.5

Input Wattage	Simultaneous Operation							
	208 Volts		240 Volts		277 Volts		480 Volts	
	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
6,000	28.9	25	25	21.6	24.1	20.8	12.5	10.8
8,000	39.7	34.4	33.3	28.8	28.9	25	16.7	14.4
9,000	43.3	37.4	37.5	32.4	33.7	29.1	18.8	16.2
10,000	-	-	41.7	36	36.1	31.2	20.8	18
11,000	-	-	45.8	39.7	38.5	33.3	22.9	19.8
12,000	-	-	49.9	43.2	43.3	37.4	25	21.7

AMPERAGES



Westinghouse

Grid-Enabled Electric Water Heaters

For use as part of an electric thermal storage or demand response program

These units feature a disconnect and they ship with the lower heating element disabled as required by the law regulating grid-enabled water heaters. Utilizing lock and keys that are commonly used by utilities. The element can only be enabled by a utility company or program operator.

PREMIUM TANK CONSTRUCTION FOR LONG LIFE:

- 316L stainless steel tank
- Titanium elements for best corrosion resistance
- Heavy duty foam insulation for minimal heat loss

SIMPLE AND FAST LOCKOUT SOLUTION:

- Leaves factory with lower element assembly locked
- Can be unlocked in less than 30 seconds
- Installs like a traditional electric water heater
- Can be configured for different operating voltages/inputs
- No new/unique software or controls are required
- Complies with Law 114-11 The Energy Efficiency Improvement Act of 2015

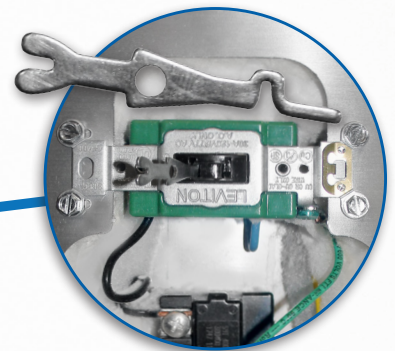


STANDARD FEATURES

- Stainless Steel Tank
- Heavy Duty Insulation
- Electrical Connection Box
- Limited LIFETIME Warranty
(10 year warranty if not registered online)

IN THE BOX

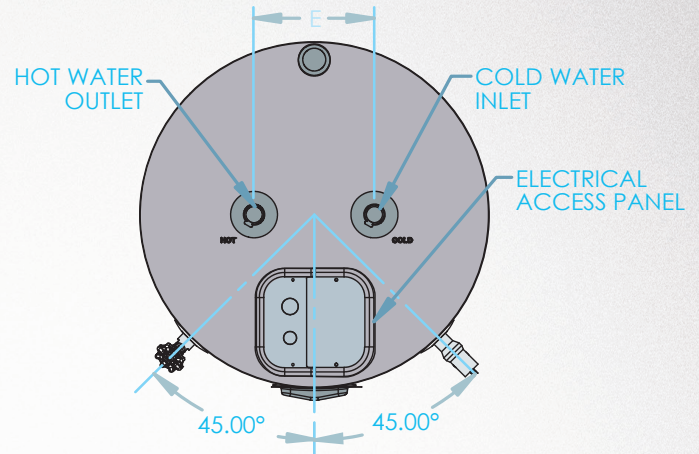
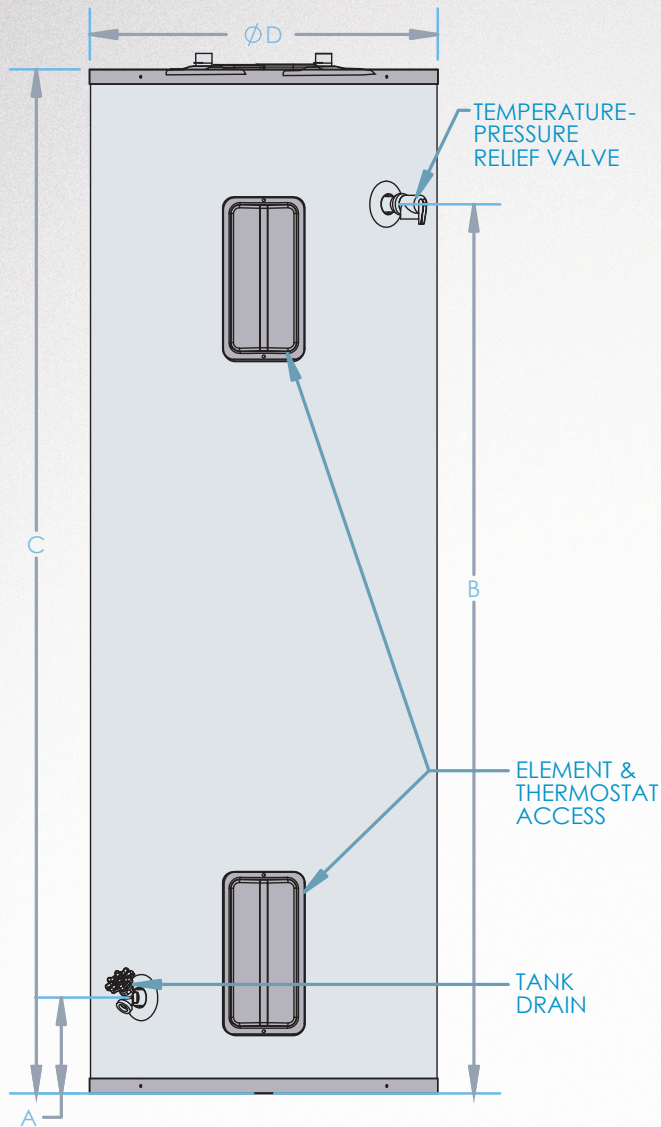
- T & P Relief Valve
- Installation Manual
- Brass Full Port Drain Valve
- Lock



Industry Best Lifetime Warranty (with online registration)

Specifications

The Inlet & Outlet have Built in Heat Traps, Keeping the Heat in the Tank for Greater Efficiency



SPECIFICATIONS AND DIMENSIONS									WATER TEMPERATURE RATINGS		
Grid-Enabled Models*	Nominal Gallon	DOE Rated Storage Vol. (Gal)	A	B	C	D	E	Hot / Cold Inlets	Minimum Delivered Temp.	Maximum Delivered Temp.	High Temp. Limit
WEG080C2X045H	80	78	6.5"	60"	69"	23.25"	8"	¾" NPT	110°F 43.3°C	170°F 76.7°C	190°F 87.8°C
WEG080C2X055H											
WEG100C2X045H	100	96	7.25"	52"	61"	27"					
WEG100C2X055H											
WEG115C2X045H	115	111	7.25"	60.25	70.5"	27"					
WEG115C2X055H											

Grid-Enabled Models*	Wattage		Safety Listing	First Hour Rating	First Hour Rating Bin	Recovery Efficiency	Recovery @ 90° F Rise	UEF	Shipping Weight
	240v	208v							
WEG080C2X045H	4500	3400	UL174	86 Gallons	High	98%	20 Gallons	.93	151 lbs
WEG080C2X055H	5500	4100		91 Gallons			25 Gallons		
WEG100C2X045H	4500	3400		86 Gallons	High	98%	20 Gallons	.93	206 lbs
WEG100C2X055H	5500	4100		91 Gallons			25 Gallons		
WEG115C2X045H	4500	3400		101 Gallons	High	98%	20 Gallons	.90	224 lbs
WEG115C2X055H	5500	4100		106 Gallons			25 Gallons		

* Order without the "H" suffix for low temperature models with operating temperature range of 90°F - 150°F



Westinghouse

316L Stainless Steel Residential Point of Use Electric Water Heater



NO ANODE
RODS NEEDED
RESISTS
SCALE BUILD UP
LIGHT-
WEIGHT



Single Phase Operation

3 Models: 10, 15 & 20 Gal.

Minimal heat loss: heavy duty insulation
High quality TITANIUM element with low
watt density provides longer element life
These units are ETL listed and comply with UL-174

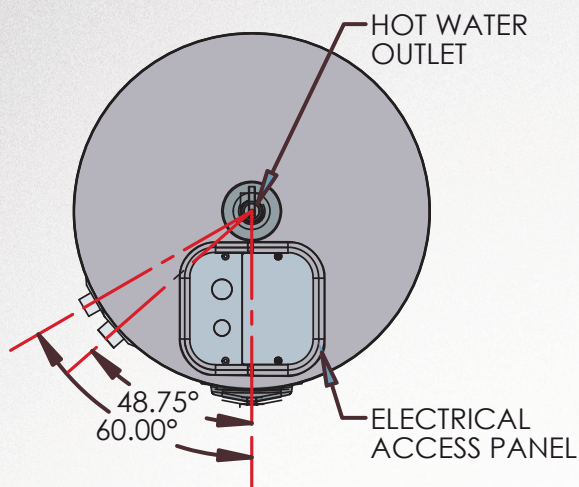
Adjustable temperature up to **150°F**

Outlet connection on the top of the
tank or the side of the tank

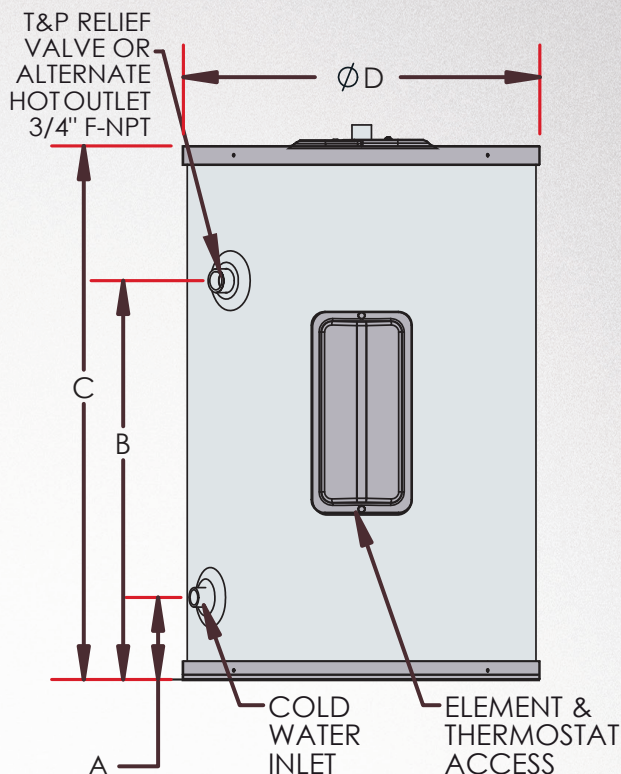
Laser welded **316L** stainless steel tank

Meets or exceeds National Appliance Energy
Conservation Act (NAECA) requirements

Specifications



Product Ships with a High Quality
Titanium Element Installed



MODEL NUMBERS

ELEMENT ORDERING INFORMATION

Westinghouse
Residential Electric Stainless

WER020

Volume In Gallons

Rated Voltage

A = 120
B = 208
C = 240

D = 277
E = 480

Input Rating
(100's of Watts)

A1X020N

**Number of
Elements**

**Phase/
Operation**
X = Single
Phase Non-Sim



Specifications and Dimensions							Element Watt	Recovery @ 90°F Rise Gallons Per Hour	Water Temperature Ratings			Energy Info.	Approx. Shipping Weight
Models	Gal.	A	B	C	D	Hot/Cold Water Inlets	Standard 120V		Minimum Delivered Temp.	Maximum Delivered Temp.	High Temp. Limit	UEF	
WER010A1X014N10	10	4.5"	10.25"	17.5"	19.5"	3/4" NPT	1,440	7	90° F 32.2°C	150° F 65.5°C	170° F 76.6°C	.91	42 lbs
WER010A1X020N10							2,000	9					
WER015A1X014N10	15	4.5"	16.25"	23.5"	19.5"		1,440	7				.92	46 lbs
WER015A1X020N10							2,000	9					
WER020A1X014N10	20	4.5"	21.75"	29"	19.5"		1,440	7				.92	50 lbs
WER020A1X020N10							2,000	9					

In accordance with our company policy of ongoing product improvement, Westinghouse reserves the right to make changes without prior notice.



Westinghouse

Highly Efficient 316L Stainless Steel Gas-Fired Water Heater

Up to 97% Thermal Efficiency - Low Nox

50 gallon tank provides hot water for household of 5+

Top Connects: Auxiliary Tap Provides Connections to Air Handlers or a Recirculation Line

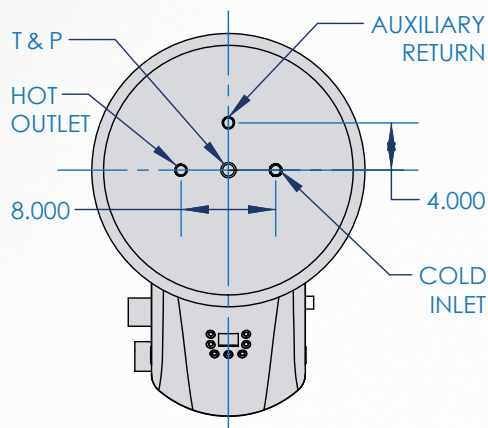
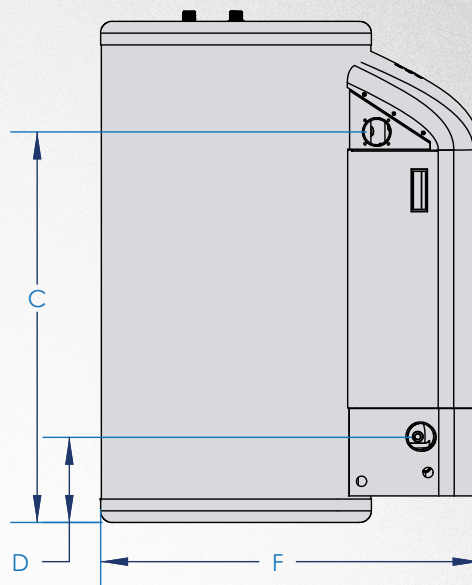
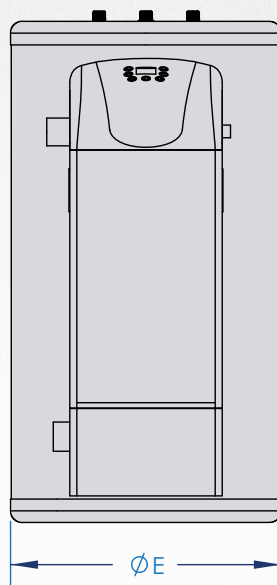
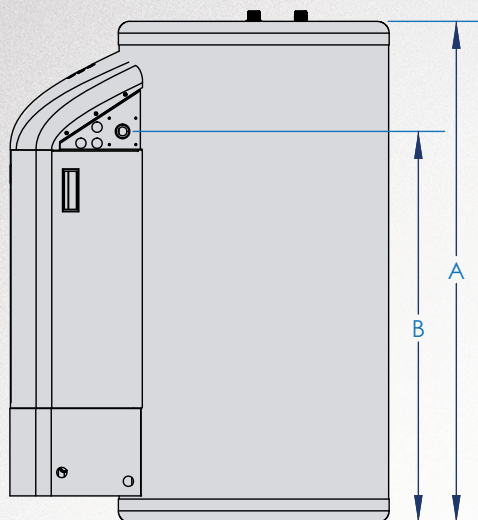
Durable Cupronickel Exchanger Boasts Excellent Heat Transfer Properties and Resists Corrosion

Built in Condensate Neutralizer System

76,000 Btuh
45, 55 & 75
Gallon Tanks



Specifications



STANDARD FEATURES

- Up to 97% Thermal Efficiency
- Modulating Burners with Up to 3:1 Turndown Ratio
- Vents in PVC, CPVC, S. Steel, ULC S636
- Spark ignition with flame monitoring
- Flame stabilization monitoring
- Integrated Control System
- Pressure relief pre-piped
- Limited Warranty:

Residential: 10 year if registered online & 7 year if not registered

Commercial: 3 year (upgradable to 5 year with additional charge)

WHAT'S IN THE BOX

- Intake PVC Tee w/ Screens
- Exhaust PVC Coupling w/ Screens
- Installation Manual
- Temperature & Pressure Relief Valve
- Warranty
- Condensate Cartridge

OPTIONAL EQUIPMENT

- Outdoor Sensor
- 2" or 3" PVC Concentric Vent Kit
- 2" or 3" Stainless Steel Outside Termination Vent Kit
- 3" Polypro Vent Kit

MODEL	A	B	C	D	E	F	SHIPPING WEIGHT	THERMAL EFFICIENCY	MAX. TEMP LIMIT
WGR050NG076*	44.75"	33"	33"	6.75"	23"	32.5"	155 LBS	97%	160°F
WGR060NG076*	52.625"	33"	33"	6.75"	23"	32.5"	170 LBS	97%	
WGR080NG076*	69"	33"	33"	6.75"	23"	32.5"	195 LBS	95%	

MODEL	BTUH	VENT SIZE	GAS LINE	GALLON CAPACITY	INLET/OUTLET SIZE	RELIEF VALVE	AUX CONN.	RECOVERY GPH AT 90° F RISE	FIRST HOUR RATING
WGR050NG076*	25,000 - 76,000	2"	1/2"	45	3/4" NPT	3/4" FNPT	3/4" NPT	98	154 GAL.
WGR060NG076*	25,000 - 76,000			55					157 GAL.
WGR080NG076*	25,000 - 76,000			75					206 GAL.

*All dimensions are approximate, these model numbers are for natural gas units, liquid propane models also available (LP in model Number)



Westinghouse

Stainless Steel, Gas-Fired Commercial Water Heater Multi-Fit



Up to 96% Thermal Efficiency

Up to 5:1 Turndown Ratio

Industry First for Condensing
Water Heaters: Top and Side
Connection Choices for Inlet
and Outlet

Ease of Installation

Extremely lightweight tank fits virtually
anywhere; 100 gallon: 63" height &
80 gallon: 55" height

316L Stainless Steel Tank

Eliminates the need for anode rods

Vents in Inexpensive PVC
or CPVC pipe

Combined vent lengths up to 200' in 3"
pipe or vent lengths up to 85' in 2" pipe

Beautiful Stainless Steel Look

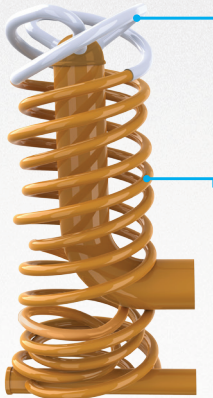
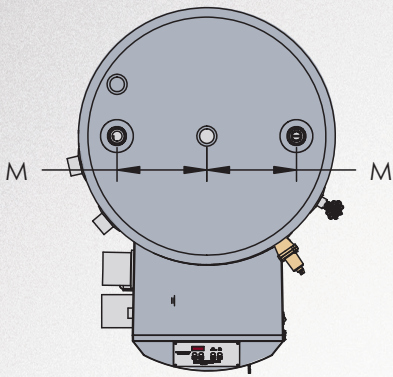
80/100 Gallon - 130k/199k Btuh

Inlet / Outlet Connections on Both the Top & Side

This water heater will accommodate even the most difficult installations with lower clearance and multiple inlet and outlet connections making it easier to replace traditional center flue heaters.

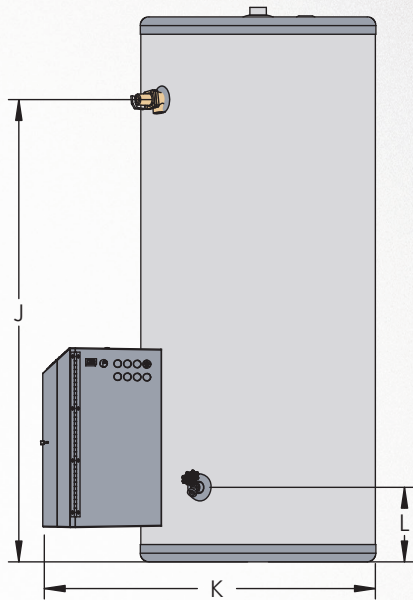
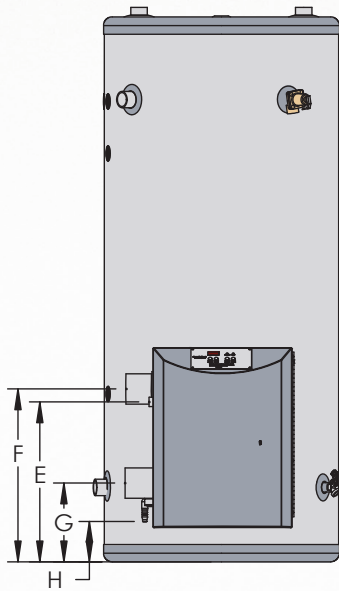
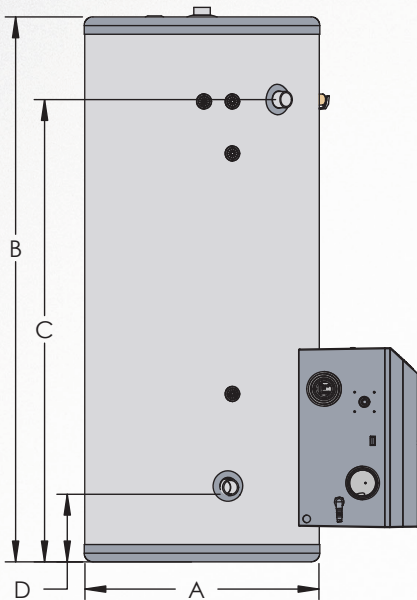
Unique Heat Exchanger

Durable Construction • High Performance • Excellent Heat Transfer Capabilities • Self Cleaning



Stainless Steel (1.65mm thick) welded to the top of the heat exchanger where flue gas is the hottest.

Transitions to 90/10 Cupronickel (1.1mm thick) spiral design that expands and contracts rapidly with the change in temperature eliminating scale build-up.



Stainless Steel, Gas fired, Commercial Water Heater													
Model	Gal.	A	B	C	D	E	F	G	H	J	K	L	M
WGCM080NG130/ WGCM080LP130 WGCM080NG199/ WGCM080LP199	80	27"	55"	46"	7 ¼"	17"	18 ¼"	8"	3"	46"	38 ¼"	7 ¼"	9 ½"
WGCM100NG130/ WGCM100LP130 WGCM100NG199/ WGCM100LP199	100	27"	63"	54"	7 ¼"	17"	18 ¼"	8"	3"	54"	38 ¼"	7 ¼"	9 ½"

Stainless Steel, Gas fired, Commercial Water Heater							
Model	Input Modulation	Vent Size	Inlet/Outlet	1st Hr Rating	Gas Line	System Relief Pipe	Shipping Weight
WGCM080NG130/ WGCM080LP130	35,000-130,000	2"	1 ½" NPT	227 Gal.	¾"	¾"	285 Lbs.
WGCM080NG199/ WGCM080LP199	40,000-199,000	3"	1 ½" NPT	314 Gal.	¾"	¾"	285 Lbs.
WGCM100NG130/ WGCM100LP130	35,000-130,000	2"	1 ½" NPT	238 Gal.	¾"	¾"	315 Lbs.
WGCM100NG199/ WGCM100LP199	40,000-199,000	3"	1 ½" NPT	329 Gal.	¾"	¾"	315 Lbs.

*All Dimensions are Approximate, LP denotes Propane Gas





Westinghouse

High Efficiency 316L Stainless Steel Gas-Fired Commercial Water Heater



Up to 96% Thermal Efficiency

5 to 1 turndown ratio allows
the appliance to match energy
usage to demand

Built-In Auxiliary Taps Provide
Connections to Air Handlers,
Radiant Heating, or
Supplemental Storage Tanks

Heavy duty insulation

Durable Cupronickel &
Stainless Steel Heat Exchanger:
Excellent Heat Transfer Properties
& Resists Corrosion

Laser Welded
Robust 316L Stainless
Steel Tank Eliminates
the Need for Anode Rods
& Resists Corrosion

7 Year Limited Residential Warranty
3 Years Limited Commercial Warranty

Specifications

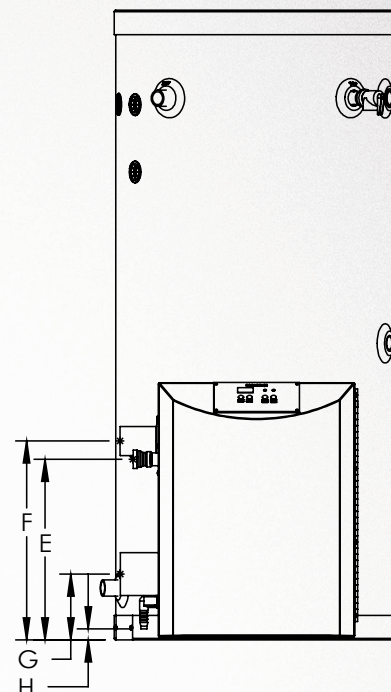
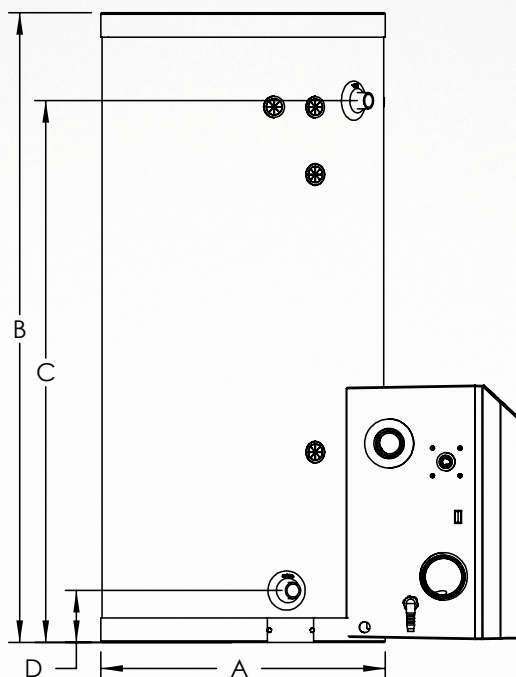
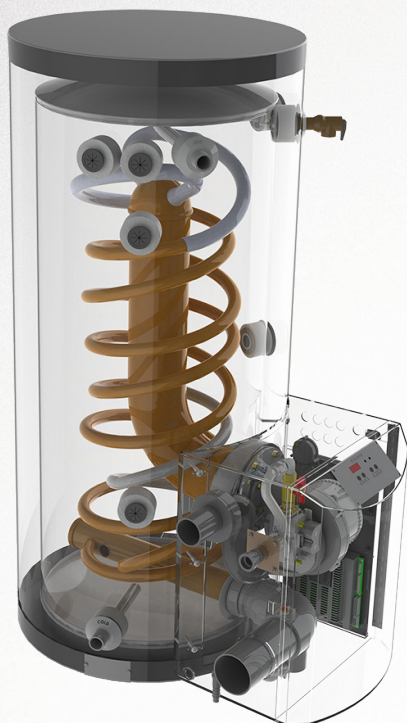


Westinghouse

Stainless Steel, Gas fired Commercial Water Heater

LEFT SIDE

FRONT VIEW



Model	Gal.	A	B	C	D	E	F	G	H
WGC055NG100 WGC055NG130 WGC055NG160 WGC055NG199	55	23"	52"	45"	5"	14-3/4"	16-1/4"	5-1/4"	1"
WGC080NG100 WGC080NG130 WGC080NG160 WGC080NG199	80	23"	72"	64"	5"	17"	18-1/2"	7-3/4"	3-1/4"
WGC119NG100 WGC119NG130 WGC119NG160 WGC119NG199	119	27"	74"	66-1/4"	7-1/2"	18-3/4"	21-1/2"	10-1/2"	5"

*All dimensions are approximate, these model numbers are for natural gas units, liquid propane models also available (LP in model Number)

Model	Input	Gal.	First Hour Rating	Recovery @100° F Rise	Thermal Efficiency
WGC119NG199	40,000–199,000	119	335 gal.	230 gal.	95%
WGC119NG160	40,000–160,000	119	295 gal.	184 gal.	96%
WGC119NG130	35,000–130,000	119	257 gal.	152 gal.	96%
WGC119NG100	35,000–100,000	119	214 gal.	117 gal.	96%
WGC080NG199	40,000–199,000	80	314 gal.	229 gal.	95%
WGC080NG160	40,000–160,000	80	265 gal.	184 gal.	96%

Model	Input	Gal.	First Hour Rating	Recovery @100° F Rise	Thermal Efficiency
WGC080NG130	35,000–130,000	80	227 gal.	150 gal.	95%
WGC080NG100	35,000–100,000	80	189 gal.	116 gal.	96%
WGC055NG199	40,000–199,000	55	295 gal.	229 gal.	95%
WGC055NG160	40,000–160,000	55	245 gal.	184 gal.	95%
WGC055NG130	35,000–130,000	55	205 gal.	148 gal.	94%
WGC055NG100	35,000–100,000	55	169 gal.	115 gal.	95%

Westinghouse

High Efficiency Tankless Water Heater



Endless hot water, advanced
temperature control

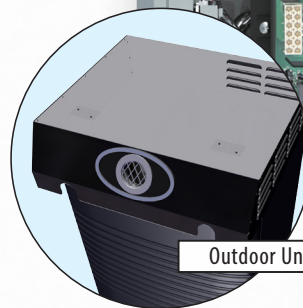
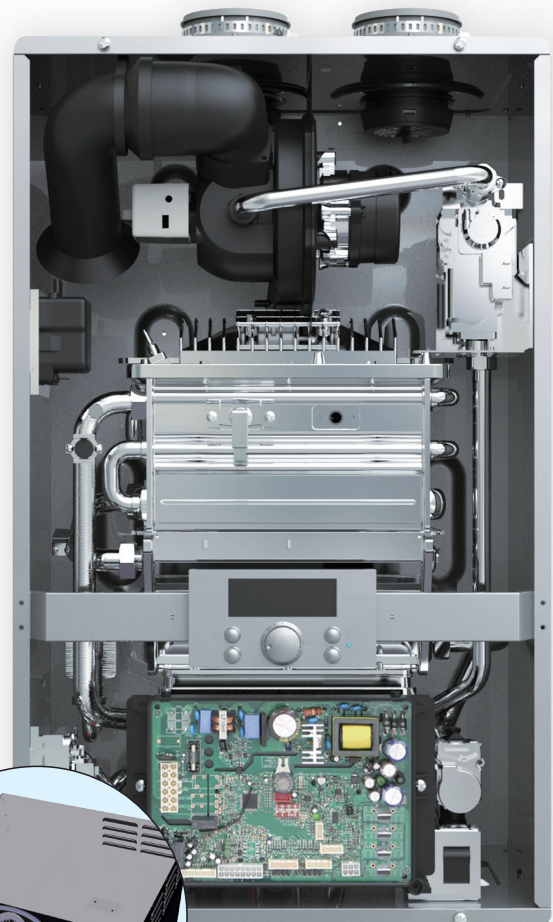
Available in
LP and natural gas

Eco-friendly and low
NOx combustion system

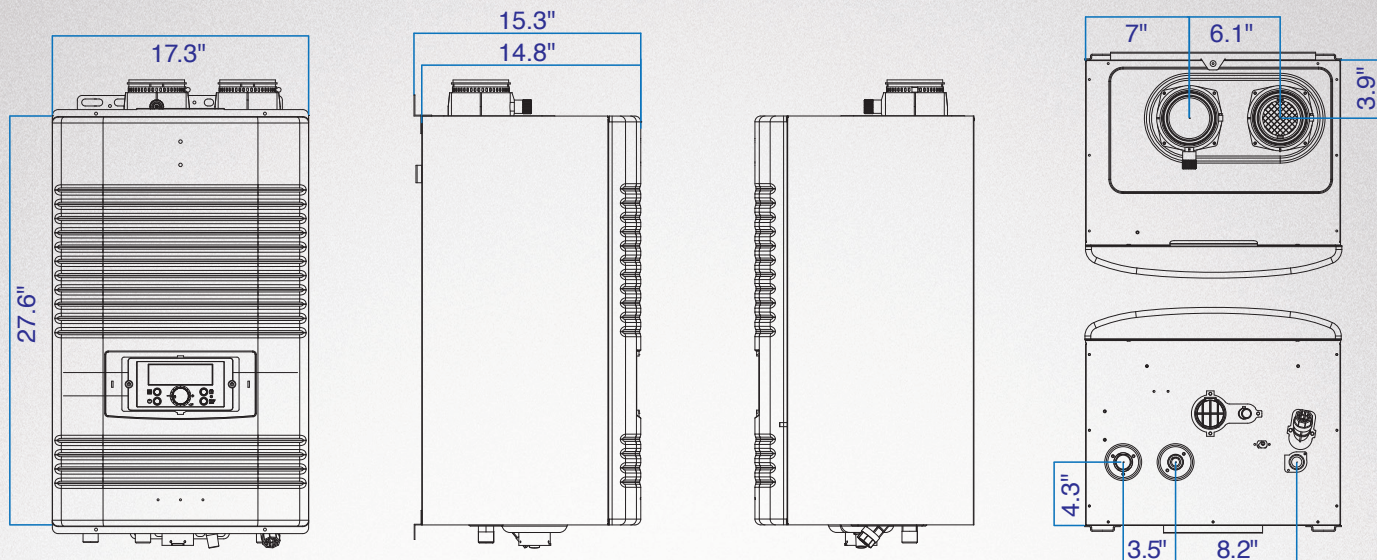
10 to 1 turndown ratio

Durable high grade stainless
steel heat exchanger

Advanced modulating,
condensing - with up to
.96 UEF



Outdoor Units Available



Standard Model Outdoor Model		WGRTNG150 (NG) / WGRTL150 (LP) WGRTONG150 (NG) / WGRTOLP150 (LP)	WGRTNG199 (NG) / WGRTL199 (LP) WGRTONG199 (NG) / WGRTOLP199 (LP)
Gas Input Rate	Max	150,000 Btuh	199,000 Btuh
	Min	15,000 Btuh	19,900 Btuh
UEF (Uniform Energy Factor) / EF (Energy Factor)		.93 UEF / .95 EF	.96 UEF / .98 EF
Recovery Efficiency		95%	98%
Max GPM Rating Bin / Max GPM		High / 4.5	High / 5.9
Hot Water Capacity	35°F Rise	8.1 Gal. Per Minute	11.0 Gal. Per Minute
	45°F Rise	6.3 Gal. Per Minute	8.5 Gal. Per Minute
	77°F Rise	3.7 Gal. Per Minute	5.0 Gal. Per Minute
Installation		(Indoor or Outdoor Units) Wall Hung, Fully Condensing	
Flue System		Sealed Combustion Direct Vent, Power Vent	
Vent		2" (50 ft), 3" (100ft) Schedule 40 PVC, CPVC, PP	
Orifice Size	NG (Orifice/Needle)	.303" (7.7 mm)	.374" (9.5 mm)
	LP (Orifice/Needle)	Consult Factory	
Gas Supply Pressure	NG	3.5" WC ~ 14" WC	
	LP	3.5" WC ~ 14" WC	
Manifold Pressure	Min (3")	NG: -0.07" WC / LP: -0.07" WC	NG: -0.10" WC / LP: -0.05" WC
	Max (3")	NG: -0.366" WC / LP: -0.366" WC	NG: -0.11" WC / LP: -0.06" WC
Power Supply	Main Supply	120V 60Hz	
	Max power Consumption	125W	135W
Ignition System		Direct Electric Ignition / Automatic Flame Sensing	
Burner System		Single Orifice Premixed Fuel Modulation Metal Fiber Infrared	
Gas Valve System		Air Ratio Gas Valve	
Minimum Flow Rate		0.5 GPM	
Internal Pipe Material		Stainless Steel	
Dimensions (W x H x D)		17.3" X 27.6" X 12.6"	17.3" X 27.6" X 14.8"
Weight		64 lbs	88 lbs
Heat Exchanger Water Capacity		Under 2 Gallons	
Control Panel/Main Controller		P-920C / NGTH-8000C	P-920C / GTH-9500C
Water Pressure	Max	150 psi	
	Min	15 psi	
Connection Sizes	(Cold/Hot) Water inlet/Outlet	3/4" NPT	
	Gas Inlet	3/4" NPT	
	Condensate	1/2" NPT	
Materials	Cabinet	Cold Rolled Carbon Steel	
	Heat Exchange	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel	
Safety Devices		Flame Rod, Burner Overheat Cut Off Device 302°F, Flue High Limit Switch 190°F, Water Temperature High Limit Switch 199°F, Freeze Protection Ceramic Heater (Turns on at 41°F, Turns off at 59°F), Water Leak Detect Sensor (RT-150)	

12 Year Residential & 5 Year Commercial Limited Warranty





High Temperature Tankless Water Heater



10 to 1 turndown ratio

High temperature supply for sanitation

CASCADE up to 18 UNITS

Stainless steel heat exchanger

Endless hot water: 11.0 gallon @ 35°F Rise - 8.5 gallon @ 45°F Rise

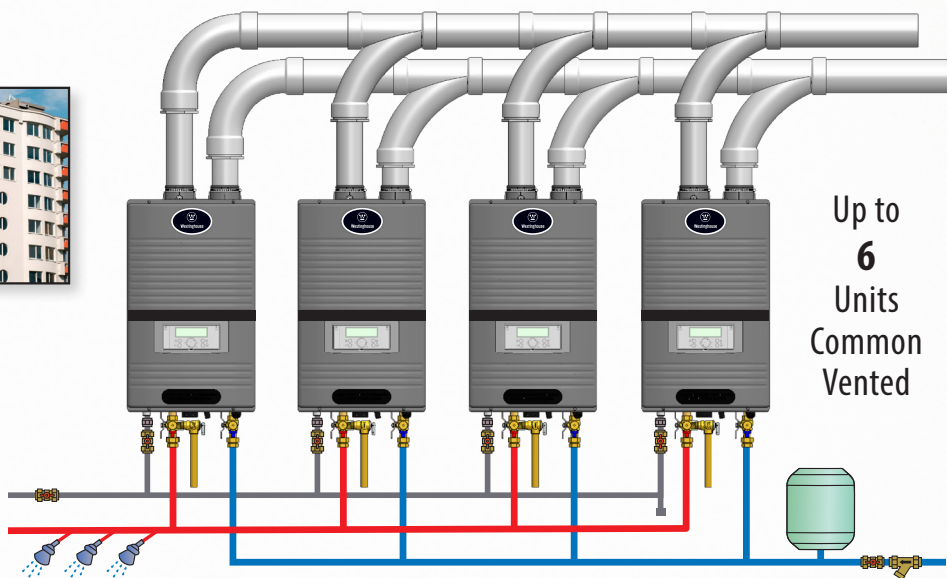
Available in liquid propane & natural gas

Eco-friendly and low NOx combustion system

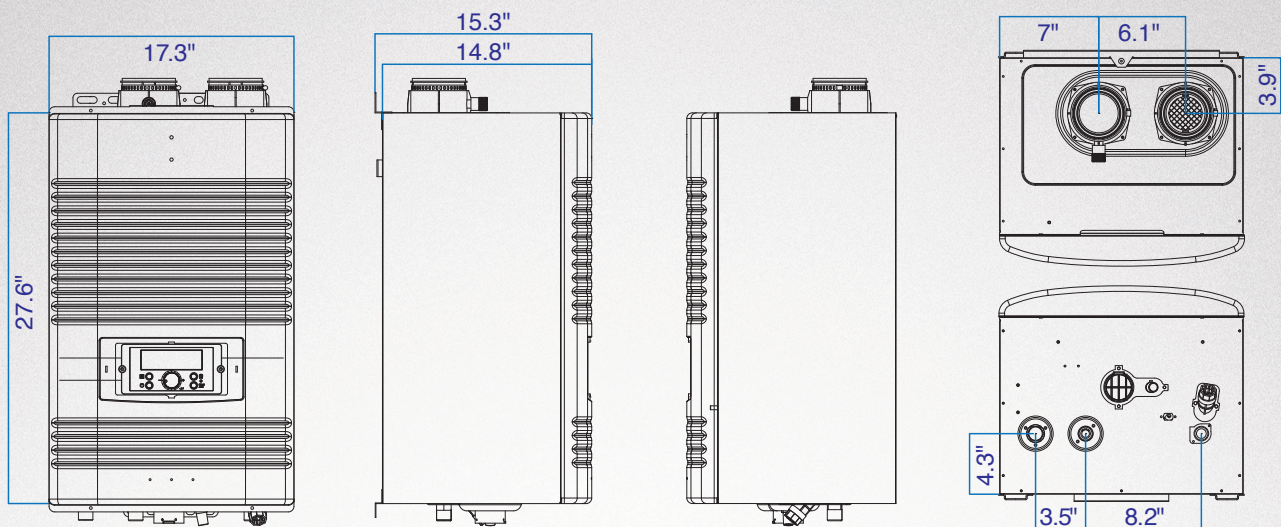
High altitude compliant: up to 10,000 ft. above sea level

.93 UEF / .95 EF

Commercial Applications



Up to
6
Units
Common
Vented



MODEL		WGRTCNG199 (NG) / WGRTCLP199 (LP)	
Gas Input Rate	Max	199,000 Btuh	
	Min	19,900 Btuh	
UEF (Uniform Energy Factor) / EF (Energy Factor)		.93 UEF / .95 EF	
Recovery Efficiency		96%	
Max GPM Rating Bin / Max GPM		High / 5.8	
Hot Water Capacity	35°F Rise	11.0 Gal. Per Minute	
	45°F Rise	8.5 Gal. Per Minute	
	77°F Rise	5.0 Gal. Per Minute	
Installation		Indoor Wall Hung, Fully Condensing	
Flue System		Sealed Combustion Direct Vent	
Vent		2" (50 ft), 3" (100ft) Schedule 40 PVC, CPVC, PP	
Orifice Size	NG (Orifice/Needle)	.374" (9.5 mm)	
	LP (Orifice/Needle)	Consult Factory	
Gas Supply Pressure	NG	3.5" WC ~ 14" WC	
	LP	3.5" WC ~ 14" WC	
Manifold Pressure	Min (3")	NG: -0.05" WC / LP: -0.10" WC	NG: -0.01" WC / LP: -0.05" WC
	Max (3")	NG: -0.45" WC / LP: -0.35" WC	NG: -0.11" WC / LP: -0.06" WC
Power Supply	Main Supply	120V 60Hz	
	Max power Consumption	135W	
Ignition System		Direct Electric Ignition / Automatic Flame Sensing	
Burner System		Single Orifice Premixed Fuel Modulation Metal Fiber Infrared	
Gas Valve System		Air Ratio Gas Valve	
Minimum Flow Rate		0.5 GPM	
Internal Pipe Material		Stainless Steel	
Dimensions (W x H x D)		17.3" X 27.6" X 14.8"	
Weight		88 lbs	
Heat Exchanger Water Capacity		Under 2 Gallons	
Control Panel/Main Controller		P-920C / GTH-9500C	
Water Pressure	Max	Hot Water 150 psi	
	Min	15 psi	
Connection Sizes	(Cold/Hot) Water inlet/Outlet	3/4" NPT	
	Gas Inlet	3/4" NPT	
	Condensate	1/2" NPT	
Materials	Cabinet	Cold Rolled Carbon Steel	
	Heat Exchange	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel	
Safety Devices		Flame Rod, Burner Overheat Cut Off Device 302°F, Flue High Limit Switch 190°F, Water Temperature High Limit Switch 199°F, Freeze Protection Ceramic Heater (Turns on at 41°F, Turns off at 59°F)	

5 Year Limited Warranty



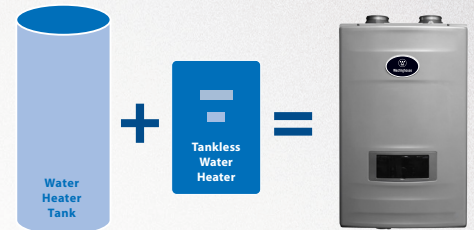


Westinghouse

Residential Gas Hybrid Water Heater

The Best Features of Both a Tank & Tankless Water Heater Combined into 1 Superior Unit

10:1
Turndown
Ratio



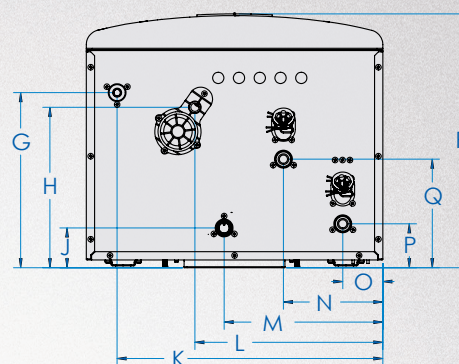
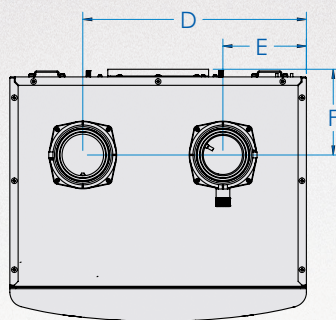
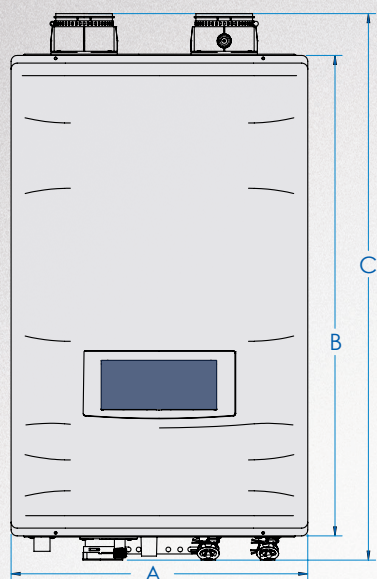
- LP or natural gas
- Durable 316L stainless steel 3.5 gallon fire tube heat exchanger - Zero Flow Activation
- Up to 96% thermal efficiency
- Up to .94 UEF
- Internal & external recirculation modes: Pulse, Smart-Auto Learn & Time Sequenced



Outdoor Units Available

12 Year Residential &
5 Year Commercial Limited Warranty





Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R
150,000 Btuh	17.3"	29.9"	34.2"	13.4"	5.5"	4.6"	10.3"	8.8"	3.1"	15.3"	12.6"	10.7"	6.8"	2.8"	3.4"	7.7"	15.4"
199,000 Btuh	19.7"	31.9"	36.3"	14.8"	5.5"	5.7"	11.6"	10.6"	2.6"	17.6"	12.5"	10.5"	6.6"	5.7"	2.9"	7.2"	16.8"

*Liquid Propane **Natural Gas

Indoor Model Outdoor Model		WGRGHLP150* / WGRGHLP159** WGRGHLP1500* / WGRGHLP1590**	WGRGHLP199* / WGRGHLP199** WGRGHLP1990* / WGRGHLP1990**
Installation		(Indoor or Outdoor Units) Wall Hung, Fully Condensing	
Minimum / Maximum Input (Btuh)		15,000 / 150,000	
UEF (Uniform Energy Factor) / Thermal Efficiency		.94 / 95%	
Recovery Efficiency		97%	
Max GPM Rating Bin / Max GPM		High / 4.4	
Hot Water Capacity	35°F Rise	8.2 Gal. Per Minute	
	45°F Rise	6.4 Gal. Per Minute	
	77°F Rise	3.7 Gal. Per Minute	
Weight (lbs)		90	
Flue System		Sealed Combustion Direct Vent; Power Vent	
Vent		2" (50 ft), 3" (100ft) Schedule 40 PVC, CPVC, PP	
Orifice Size	NG (Orifice/Needle)	.284" (7.2 mm)	
	LP (Orifice/Needle)	.217" (5.5 mm)	
Gas Supply Pressure	NG	3.5" to 14" WC	
	LP	3.5" to 14" WC	
Manifold Pressure	Min (3")	NG / LP: 0.006" WC	
	Max (3")	NG / LP: -0.13" WC	
Power Supply	Main Supply	120V 60Hz, 6A	
	Max power Consumption	72W (With Pump 100W)	
General Operating Conditions		Temperature Ambient Temperature Range: 33 – 104°F (0.6 – 40°C) Operating Relative Humidity: Up to 90% at 104°F (40°C) Shipping and Storage Temperature Range: -4 – 176°F (-20 – 80°C) Input Ratings Power Supply and Communication (CN4): 14V DC Product Approvals and Requirements EMC: 89/336/EEC - LVD: 73/23/EEC	
Ignition System		Direct Electric Ignition / Automatic Flame Sensing	
Burner System		Single Orifice Premixed Fuel Modulation / Ceramic Fiber Burner	
Gas Valve System		Air Ratio Valve	
Internal Pipe Material		Copper	
Dimensions (W x H x D)		W17.5" – H30" – D15.5"	
Heat Exchanger Water Capacity		Under 2.5 Gallons	
Control Panel/Main Controller		P-950H / NGTH-10C	
Water Pressure		Min 12 – Max 150 PSI	
Connection Sizes	Water inlet & Outlet Recirculation Inlet	3/4" NPT	
	Gas Inlet	3/4" NPT	
Materials	Cabinet	Cold Rolled Carbon Steel	
	Heat Exchange	316L Stainless Steel	
Safety Devices		Optical Flame Sensor, Burner Plate High Limit (392°F), Water Temperature High Limit Sensor (203°F), Freeze Protection (Three Stage Operation - Activates at 46°F – See Freeze Protection in Installer Menu for Details), Exhaust Temperature High Limit Sensor (190°F), Blocked Flue and Intake Sensor, Condensate Switch, Built-In Low Water Cut-Off Probe	



Westinghouse

Volume Tank Water Heater

The Best Features of Both a Tank & a Tankless Water Heater Combined into 1 Superior Unit

Fighting the High Cost of Water Heating!

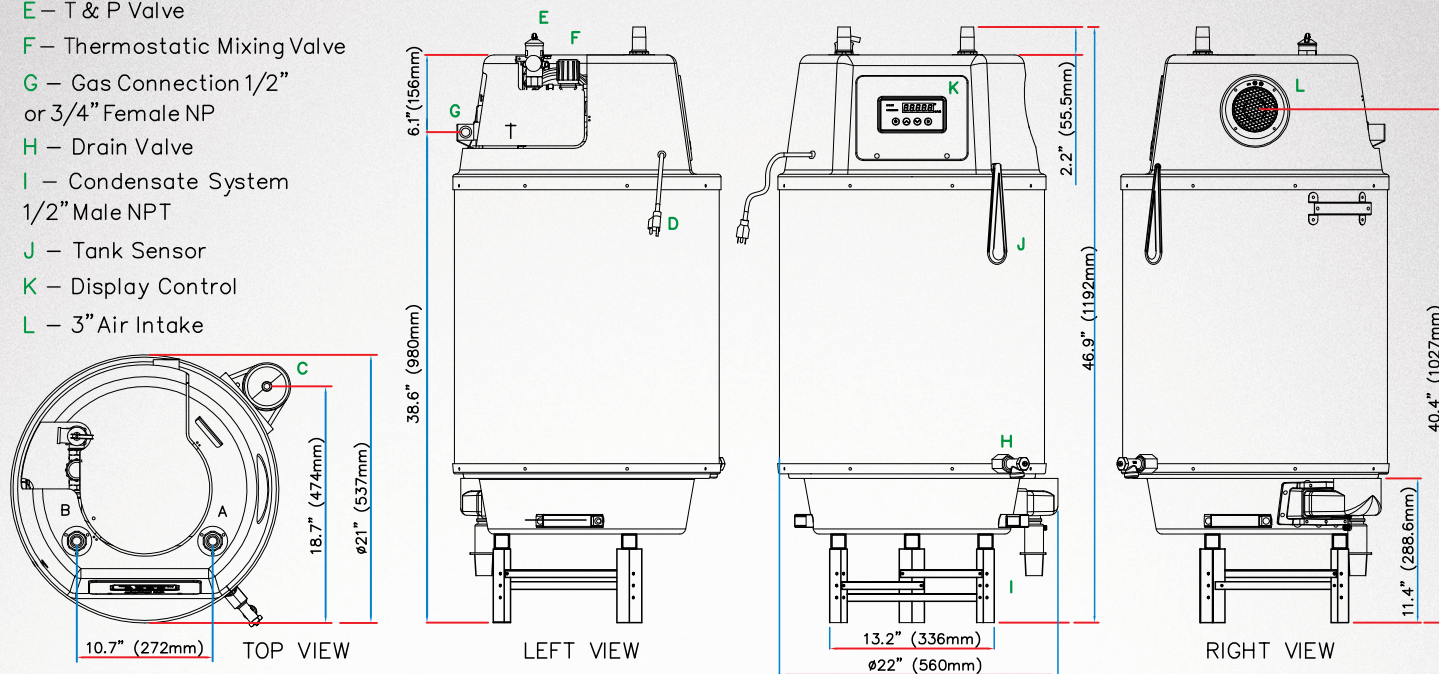
- Fully condensing achieves up to 95% efficiency
- Integrates the benefits of both storage & instantaneous concepts without sacrificing performance
- Compatible with recirculation systems
- Includes an ASSE 1017 domestic rated thermostatic valve (pre-piped) increasing 1st draw capacity & temperature control
- All stainless steel tank construction with integrated fire tube heat exchanger design
- Extra thick insulation in combination with a small water storage volume reduces standby loss (compare to conventional water heaters with similar hot water delivery performance)
- Preset for natural gas – ships with a liquid propane conversion kit
- Ultra low NOx emissions leave almost no carbon footprint
- High altitude compliant – certified up to 10,000 ft. above sea level

**Half the Storage & Twice
the Btuh Result in a
Recovery Rate that is 4
Times Faster than
Traditional Storage Units!**



- A – Cold Water Inlet 3/4" Male NPT
- B – Hot Water Outlet 3/4" Male NPT
- C – 3" Exhaust
- D – Electric Cord
- E – T & P Valve
- F – Thermostatic Mixing Valve
- G – Gas Connection 1/2" or 3/4" Female NP
- H – Drain Valve
- I – Condensate System 1/2" Male NPT
- J – Tank Sensor
- K – Display Control
- L – 3" Air Intake

Dimensions for 20 Gallon Tank Units



Model		WGRGH20NG75F	WGRGH20NG76F	WGRGH20NG100F*
Efficiency		UEF .88	UEF .89	TE 95% / UEF .87
Recovery Efficiency		99%	96%	99%
Nominal/DOE Rated Storage Volume		20 Gallon		
Installation		Indoor / Floor Standing		
Vent Run	3" PVC or Polypropylene	Up to 100ft, 8 Elbows Max (3" pipe) [3ft Deduction Per 45° Elbow] [5ft Deduction Per 90° Elbow]		
Condensate Discharge		2GPH		
Condensate pH Level		4 pH		
Gas Type		Preset for NG / LP Conversion Kit Included		
Unit Connections	Gas	1/2" or 3/4" Female NPT (3/4" by 1/2" Bushing Adapter Included)		
	Water	3/4" Male NPT		
	Electricity	Dedicated 120VAC, 60Hz w/3 Pronged 5 1/2 ft. Power Cord		
	Condensate	1/2" Male NPT Connection		
Gas Input Rate (Hourly)		37,500 -75,000 Btuh	38,000 -76,000 Btuh	50,000 -100,000 Btuh
Gas Supply Pressure - NG / LP		3.5"WC to 14"WC / 3.5"WC to 14"WC		
Ignition System		Spark Ignition, No Pilot		
Burner System		Single Orifice Premixed Fuel Injection Metal Fiber Infrared		
Gas Valve System		Air Ratio Negative Pressure		
First Hour Output @ 67°F / 90°F		120 Gal. / 108 Gal.	131 Gal. / 108 Gal.	NA / 130 Gal.
First Hour Rating Bin		High	High	NA
Tank Material		Stainless Steel		
Temperature Sensing		Inner Tank and Hot Outlet Discharge Pipe Sensors		
Domestic Temperature Control		Thermostatic Mixing Valve - ASSE 1017 Rated		
Domestic Temperature Settings Range		120°F Factory Preset / Adjust Knob 70°F to 147°F		
Tank Storage Temperature Settings		Normal 127°F / Hot 137°F / Hotter 147°F		
Unit Dimensions (D x H)		21" x 47"		
Unit Weight		110 lbs		
Safety Devices		T&P Valve, Vent Blockage APS, Flame Rod, Fan RPM Check, Eco Burner Plate (305° F), Eco Water Limit (194° F)		
Optional Accessories		3" Horizontal Terminal, Concentric Venting Kit, Condensate Neutralizer Kit		

6 Year Residential, 3 Year Commercial and 1 Year Parts Limited Warranty

*WGRGH20NG100F is not Energy Star certified



Westinghouse

316 L Stainless Steel Indirect Water Heater



316L Stainless Steel Tank

Eliminates the need for anode rods

Advantage Heat Exchanger

Extremely durable enhanced corrugated surface: 316L stainless steel heat exchanger boasts excellent heat transfer properties, resists corrosion and offers extremely low pressure drop

High Performance

Can generate over 50% more hot water than many water heaters of similar size

Low Energy Costs

When used in conjunction with an high efficiency boiler, operating costs decrease even further

Minimal Heat Loss

Thanks to 2" thick, water blown foam insulation

Virtually Maintenance Free

Top Connections: Inlet, Outlet and Auxiliary Ports

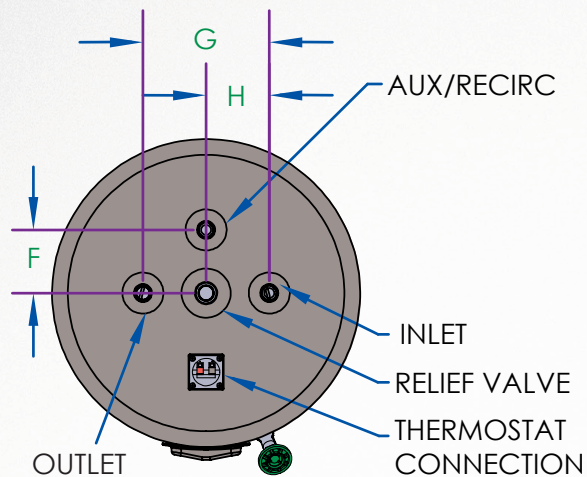
Auxiliary port for the recirculation line increases overall efficiency by eliminating short cycling of the connected boiler



Model	Heat Exchanger Surface	Test Pressure	Working Pressure	180° F Boiler Water 1st Hour Rating*	180° F Boiler Btuh / Size	Recommended Flow Rate	Pressure Drop at Recommended Flow Rate	Weight
WI030	15 Sq. Ft.	300 PSI	150 PSI	228 Gal.	130,000	8 GPM	1.7 Ft	95 lbs
WI040				266 Gal.	155,000	10 GPM	2.3 Ft	111 lbs
WI050				287 Gal.	155,000	10 GPM	2.3 Ft	127 lbs
WI060				303 Gal.	155,000	10 GPM	2.3 Ft	140 lbs
WI080	18 Sq. Ft.			347 Gal.	175,000	12 GPM	3 Ft	157.5 lbs
WI100				393 Gal.	195,000	14 GPM	3.75 Ft	195 lbs

*DOE TEST METHOD BASED ON 90°F TEMPERATURE RISE, 50°F / 140°F W/BOILER WATER AT 180°F NOTE: TANK RECOVERY FROM COLD START WILL BE BETWEEN 10-13 MINUTES WHEN SIZED WITH CORRECT FLOW RATE, BOILER SIZE AND PRESSURE DROP RATINGS FROM LIST IN ABOVE CHART.
CONTINUOUS FLOW RATING CALCULATION: FIRST HOUR RATING - (.75 * GALLON CAPACITY) = CONTINUOUS FLOW RATING

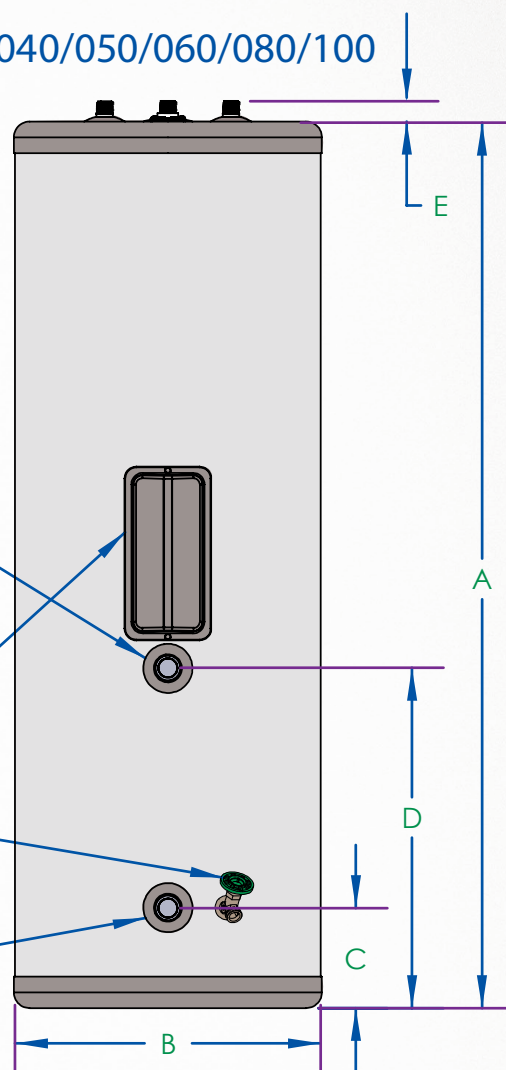
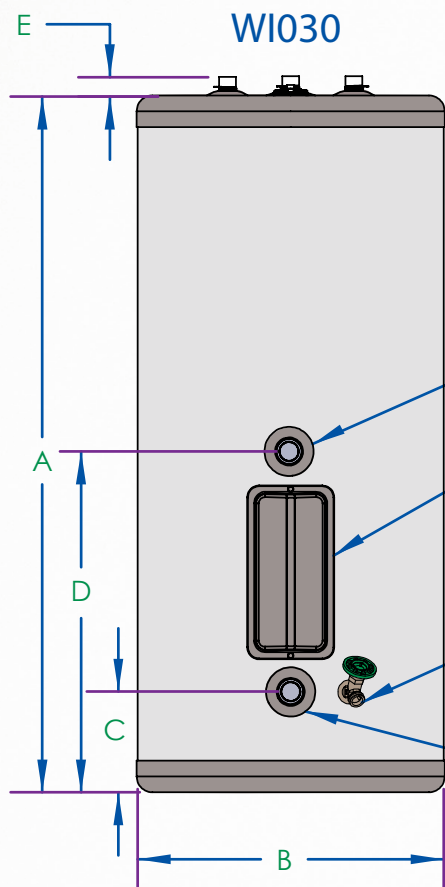
Model	A	B	C	D	E	F	G	H	Tank Size	Domestic Ports	Aux Port	Boiler In/Out
WI030	44"	19-3/8"	6-3/8"	21-1/2"	1-3/8"	4"	8"	4"	30 Gal.	3/4" MNPT	3/4" MNPT	1" FNPT
WI040	56-1/2"								40 Gal.			
WI050	68-3/4"								50 Gal.			
WI060	54-5/8"	23-1/2"							60 Gal.	1" MNPT		
WI080	71"								80 Gal.			
WI100	64-7/8"	27-1/2"	8-5/8"	20-3/4"	2"				100 Gal.	1 1/2" MNPT	1" MNPT	



**10 Year
Limited
Warranty**



WI-040/050/060/080/100



BOILER IN
1" FNPT

THERMOSTAT
ACCESS

DRAIN VALVE

BOILER OUT
1" FNPT



Highly Efficient Universal Fire Tube Boiler

316L Stainless Steel, Fire
Tube Heat Exchanger

10 to 1 Turndown Ratio

Advanced Modulating Gas
Condensing Boiler; up to
96% AFUE

Venting: 2" or 3" PVC,
CPVC or Polypropylene

No Primary/ Secondary
Piping Needed

Supply and Return Connections
on Either Top, Left or Right

Limited 10 Year
Residential Warranty



Universal Piping Location:
Installer Connection Can
Easily be Moved from Left
to Right Side of Floor Units



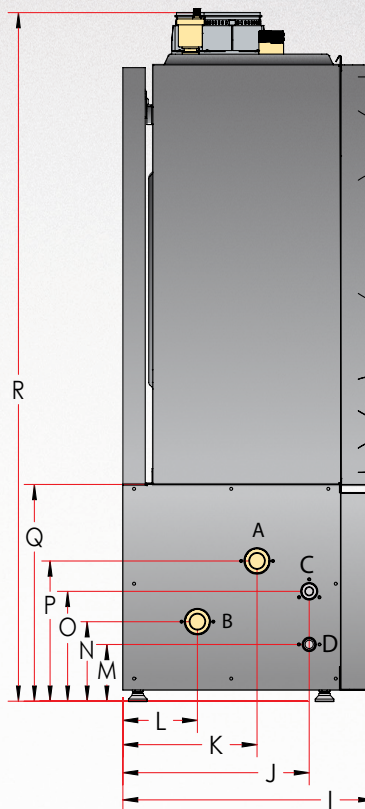
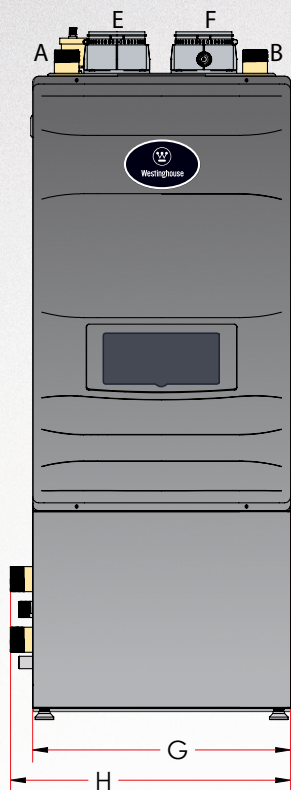
Fighting the High Cost of Heating



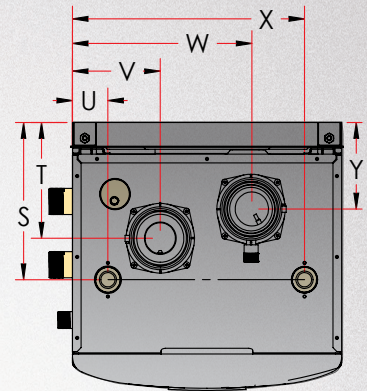
Wall Units

Replace * with a W (for a wall unit)
or a F (for a floor unit)

**NG denotes Natural Gas Model,
LP Denotes Propane Model



Floor Units



	Description	Diameter
A	CH Supply Adapter	1-1/4" NPT
B	CH Return Adapter	1-1/4" NPT
C	Gas Connection Adapter	3/4" NPT
D	Condensate Drain Adapter	1/2" NPT
E	Air Intake Pipe Connection	3"
F	Exhaust Pipe Connection	3"

All the bottom connections (boiler, domestic, condensation & gas) can be located on either side of the unit. Fittings are shipped on the left side of the boiler.

MODELS	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WBRU**080* WBRU**100*	17.5	19.1	16.8	12	8.5	4.5	4	4.5	6.5	8.5	13.5	45	10	7.4	2.3	5.7	11.5	14.9	5.5	34
WBRU**120* WBRU**140*																				
WBRU**175* WBRU**199*	19.7	21.5	18.1	12	8.5	4.5	4	4.5	6.5	8.5	13.5	48	9.2	7.1	2.2	7.2	14.0	16.0	5.2	37

Model		WBRU**080*	WBRU**100*	WBRU**120*	WBRU**140*	WBRU**175*	WBRU**199*
Installation		Indoor, Wall Mounted Model or Floor Model, Fully Condensing					
AFUE		95.4	95.1	95.6	95.0	95.9	96.0
Input Rate (Btuh)		8,000 ~ 80,000	10,000 ~ 100,000	12,000 ~ 120,000	14,000 ~ 140,000	19,900 ~ 175,000	19,900 ~ 199,000
Flue System		Sealed Combustion Direct Vent, Power Vent					
Vent Run		2"(50ft), 3"(100ft) / Schedule 40 PVC, CPVC, PP					
Weight Wall Mount Model		90 lbs.		100 lbs.		110 lbs.	
Weight Floor Model		120 lbs.		130 lbs.		140 lbs.	
Gas Supply Pressure	Natural Gas	3.5"W.C ~ 14"W.C					
	Propane Gas	3.5"W.C ~ 14"W.C					
Power Supply	Main Supply	120V 60 Hz, 6A					
	Maximum Power	160W					
Ignition System		Direct Electronic Ignition / Automatic Flame Sensing					
Burner System		Premixed Fuel Modulation / Ceramic Fiber Infrared					
Wall Mount Model Dimensions (W x H x D)		W 17.5" x H 34" x D 15.4"				W 19.7" x H 37" x D 16.8"	
Floor Model Dimensions (W x H x D)		W 19" x H 45" x D 17"				W 22" x H 48" x D 18"	
Heat Exchanger		316L Stainless Steel - 3 Gallon Water Capacity					
Water Pressure		12 min - 30 max PSI					
Connection Sizes	Supply/Return	1 1/4" NPT					
	Gas Inlet	3/4" NPT					
Cabinet Materials	Wall Mount Model	Painted Cold Rolled Carbon Steel					
	Floor Model	Galvaneal					



Highly Efficient **Premier** Gas Fired Boiler



10:1 Turndown Ratio

Up to 96% Efficient

Vents in Inexpensive,
Easy-to-Install PVC Pipe,
Up to 200 Combined Feet

State of the Art Control
Interface: Total System Control

No Primary/Secondary
Piping Required

Impressive Range:
7 Models, Ranging from
80,000 to 399,000 Btuh

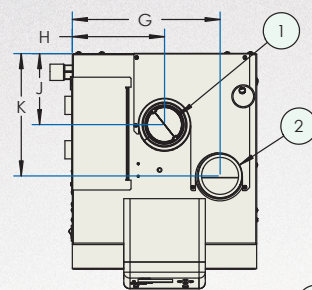
Floor Standing or Wall Mount

12 Year Limited Warranty



316L Stainless Steel Heat Exchanger

- EXHAUST VENT CONNECTION (1)
COMBUSTION AIR INLET CONNECTION (2)
ELECTRICAL CONNECTIONS (3)
SYSTEM RETURN (4)

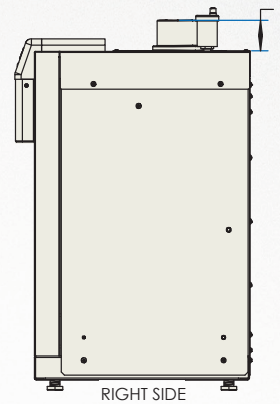
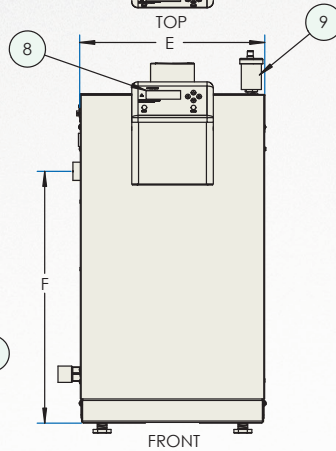
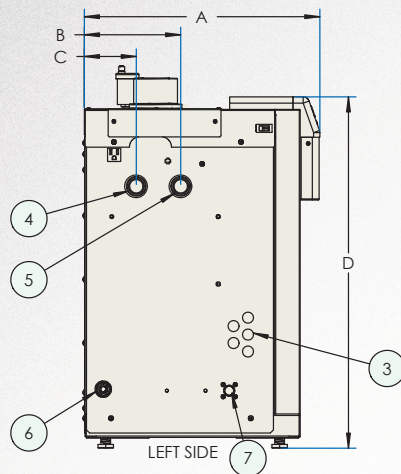


- (5) SYSTEM SUPPLY WITH INTEGRATED RELIEF VALVE
(6) CONDENSATE CONNECTION
(7) GAS LINE CONNECTION
(8) DISPLAY/CONTROL PANEL
(9) AIR RELEASE VENT

LP Model	Btuh / Input Range	AFUE
WBRELP080	8,000 - 80,000	96.4
WBRELP110	11,000 - 110,000	96.4
WBRELP150	15,000 - 150,000	95.4
WBRELP220	22,000 - 220,000	95.2
WBRELP299	30,000 - 299,000	94.5
WBCPLP301	30,000 - 301,000	96.1*
WBCPLP399	40,000 - 399,000	96.5*

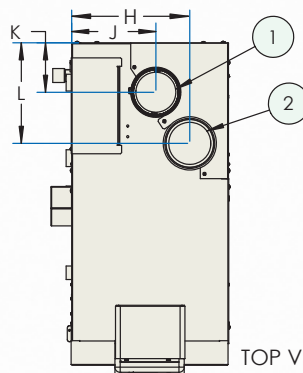
NG Model	Btuh / Input Range	AFUE
WBRENG080	8,000 - 80,000	96.4
WBRENG110	11,000 - 110,000	96.4
WBRENG150	15,000 - 150,000	95.4
WBRENG220	22,000 - 220,000	95.2
WBRENG299	30,000 - 299,000	94.5
WBCENG301	30,000 - 301,000	96.1*
WBCENG399	40,000 - 399,000	96.5*

* Thermal Efficiency (Not AFUE)

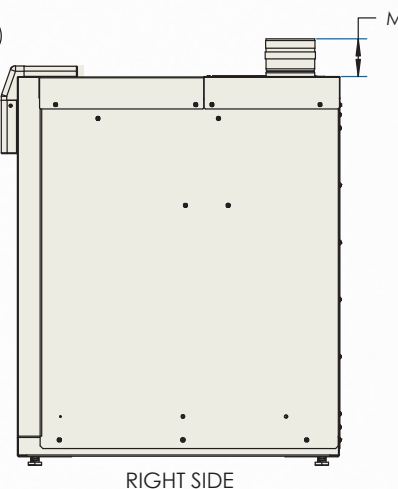
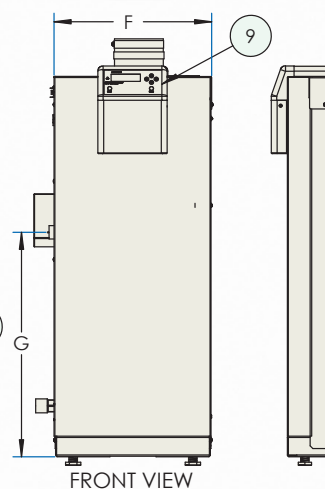
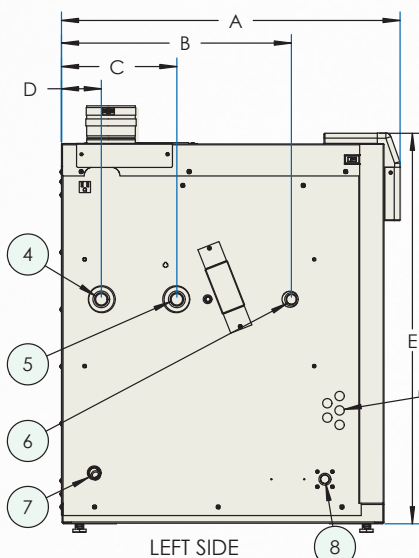


MODEL*	A	B	C	D	E	F	G	H	J	K	L	SHIPPING WEIGHT
WBRENG080/WBRELP080	18.50	8.50	2.40	27.00	14.50	20.00	11.75	7.38	5.75	10.00	2.18	108 lbs.
WBRENG110/WBRELP110	18.50	8.50	2.40	27.00	14.50	20.00	11.75	7.38	5.75	10.00	2.18	113 lbs.
WBRENG150/WBRELP150	19.50	10.50	2.50	27.00	14.50	20.00	11.75	7.38	4.25	8.50	2.18	126 lbs.
WBRENG299/WBRELP299	26.50	15.50	6.00	27.00	14.50	20.00	11.75	7.38	4.25	8.50	2.18	164 lbs.

- EXHAUST VENT CONNECTION (1)
COMBUSTION AIR INLET CONNECTION (2)
ELECTRICAL CONNECTIONS (3)
SYSTEM RETURN (4)



- (5) SYSTEM SUPPLY
(6) RELIEF VALVE
(7) CONDENSATE CONNECTION
(8) GAS LINE CONNECTION
(9) DISPLAY/CONTROL PANEL



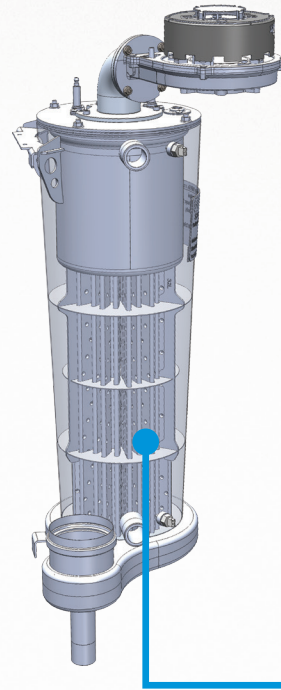
MODEL*	A	B	C	D	E	F	G	H	J	K	L	M	SHIPPING WEIGHT
WBRENG299/WBRELP299	24.75	14.50	7.38	3.25	36.00	16.50	21.00	11.00	7.88	4.63	9.50	3.00	211 lbs.
WBCENG301/WBCPLP301	23.75	13.50	6.38	2.25	36.00	16.50	21.00	11.00	7.88	3.63	8.50	3.00	211 lbs.
WBCENG399/WBCPLP399	31.75	21.50	10.75	3.75	36.00	16.50	21.00	11.00	7.88	4.63	9.50	3.00	256 lbs.

*"N" DENOTES NATURAL GAS
"LP" DENOTES PROPANE
ALL DIMENSIONS ARE APPROXIMATE
AND ARE SUBJECT TO CHANGE



Westinghouse

High Efficiency Fire Tube Boiler



**Durable Stainless Steel
Fire Tube Heat Exchanger with
Excellent Heat Transfer Properties**

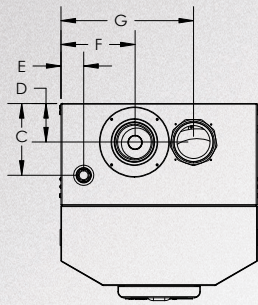


**Most Efficient
2018**
www.energystar.gov

up to 10 : 1 Combustion Turndown
Ratio Allows the Appliance to
Match Energy Usage to Demand

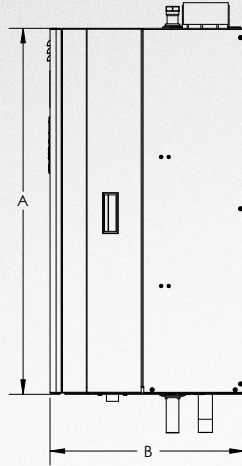
Energy Star Rated: up to **97%**
Operating Efficiency

Unbeatable Combined Vent Length
of 200 ft. in 3" PVC Pipe

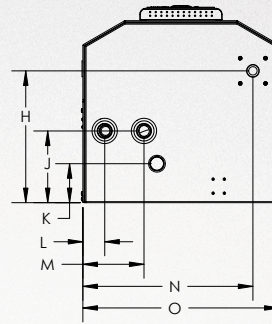


**Models: 55,000
80,000 & 110,000 Btuh**

Top View



Side View



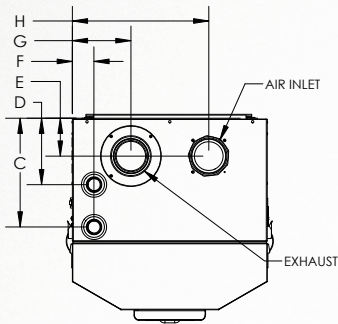
Bottom View

STANDARD FEATURES

- Up to 96.8% AFUE
- Modulating Burner
 - 5:1 Turndown ratio (55-155 Models)
 - 10:1 Turndown ratio (285 & 399 Models)
- Venting Options
 - Concentric
 - 3" Pipe: Balanced or Unbalanced
- Limited 12 Year Warranty
- Wall Mounted
- Total System Control
- The Elite FT is ASME Certified

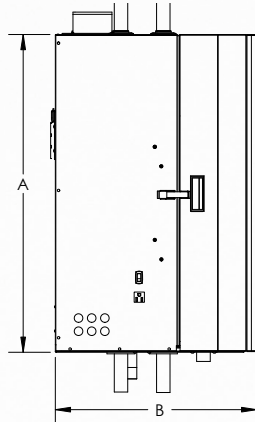
INCLUDED IN THE BOX

- Temperature and Pressure Gauge
- Pressure Relief Valve 30 PSI (80 psi for EFT-285 & EFT-399 Models)
- Indirect Sensor & Outdoor Sensor
- Intake PVC w/ Screens
- Exhaust PVC Coupling w/ Screens
- Installation Manual
- Warranty
- Condensation Removal System
- Wall Mount

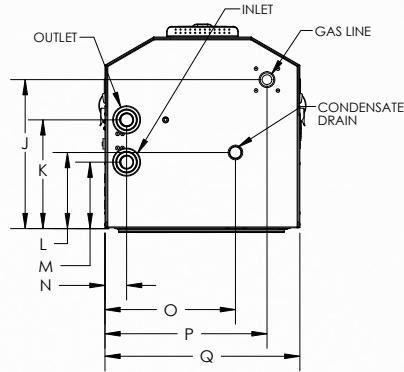


**Models: 155,000,
285,000 & 399,000 Btuh**

Top View



Side View



Bottom View

OPTIONAL EQUIPMENT

- ModBus Adapter
- 3", 4", 6" Stainless Steel Outside Termination Vent Kit
- 3" Concentric Vent Kit
- 3" Polypro Vent Kit
- 3" Polypro Pipe
- U.L. 353 Compliant Low Water Cutoff w/ Manual Reset
- Alarm System to Monitor Failures
- PC Connection Kit
- Condensate Neutralizer
- System Sensor
- 3 Speed Pump with integrated Flow Check
- LP Conversion Kit

Model	Max. MBH	Min. MBH	AFUE	Net Ratings (water)	Heating Capacity MBH	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
WBRNG155WPU	155	31	95.5	-	142	32 5/8"	20 5/8"	11 1/8"	6 7/8"	3 7/8"	2 1/4"	6"	14"	15 1/4"	11 1/8"	7 3/4"	6 7/8"	2 1/4"	13 3/8"	16 5/8"	20"
WBRNG285WPU	285	28.5	95.1	-	262	32 5/8"	20 5/8"	11 1/8"	6 7/8"	3 7/8"	2 1/4"	6"	14"	15 1/4"	11 1/8"	7 3/4"	6 7/8"	2 1/4"	13 3/8"	16 5/8"	20"
WBCNG399WPU*	399	39.9	97.1*	323 Mbh	367	36 3/8"	23 5/8"	13 5/8"	8 1/2"	4 3/4"	2 3/4"	7 3/8"	18 1/8"	18 3/4"	13 5/8"	9 3/4"	8 1/2"	2 3/4"	16 1/2"	19 1/4"	25 1/2"

* Thermal Efficiency (Not AFUE)

Model	BTU	Turndown Ratio	Shipping Weight	Gas Conn.	Water Conn.	Air Inlet	Vent Size
WBRNG055WPU	55,000	5 : 1	125 lbs.	3/4 "	1"	3"	3"
WBRNG080WPU	80,000	5 : 1	128 lbs.				
WBRNG110WPU	110,000	5 : 1	130 lbs.		1 1/4		
WBRNG155WPU	155,000	5 : 1	195 lbs.				
WBRNG285WPU	285,000	10 : 1	203 lbs.		1 1/2"		
WBCNG399WPU	399,000	10 : 1	298 lbs.			4"	4"



**12 Year Limited Warranty;
3 Years Blower Motor**



Highly Efficient Commercial Gas Fired Boiler

Up to
10 : 1

Turndown Ratio

Up to **1,700,005 Btuh**

ASME Stainless Steel
Heat Exchanger

1,000k & 1,700k Btuh units are double stacked
500k, 700K & 800k Btuh units are single boilers



WBCMCNG850

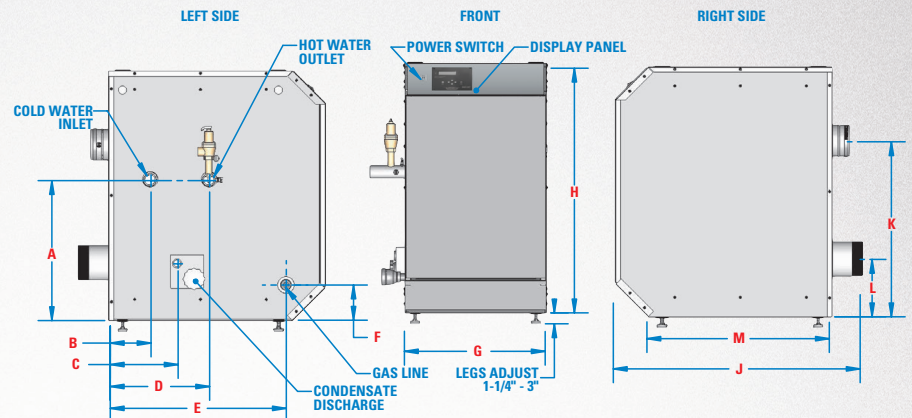


Ultra High up to
98% Efficiency

Combustion System

- Up to 98% Thermal Efficiency
- Modulating Burner with up to a 5:1 Turndown (500k, 700k & 800k Btuh units) & a 10:1 Turndown Ratio (1,000k & 1,700k Btuh Units)
- Whisper Quiet Operation
- Low NOx Operation
- High Grade Inconel Burner
- Reliable Spark Ignition
- Gas Valve (Tested to UL, FM, CSA Standards)
- Built in Redundancy (1,000k & 1,700k Btuh Units)

Model	A	B	C	D	E	F	G	H	J	K	L	M
WBCMC**500	20"	6.25"	13.25"	14.5"	33.25"	5.25"	20.5"	36"	46"	25.5"	8.25"	34"
WBCMC**700	20"	6.25"	16.25"	18.75"	43.5"	20"	20.5"	36"	68.5"	25.5"	8.25"	57.5"
WBCMC**850	20"	6.25"	16.25"	18.75"	43.5"	20"	20.5"	36"	68.5"	25.5"	8.25"	57.5"



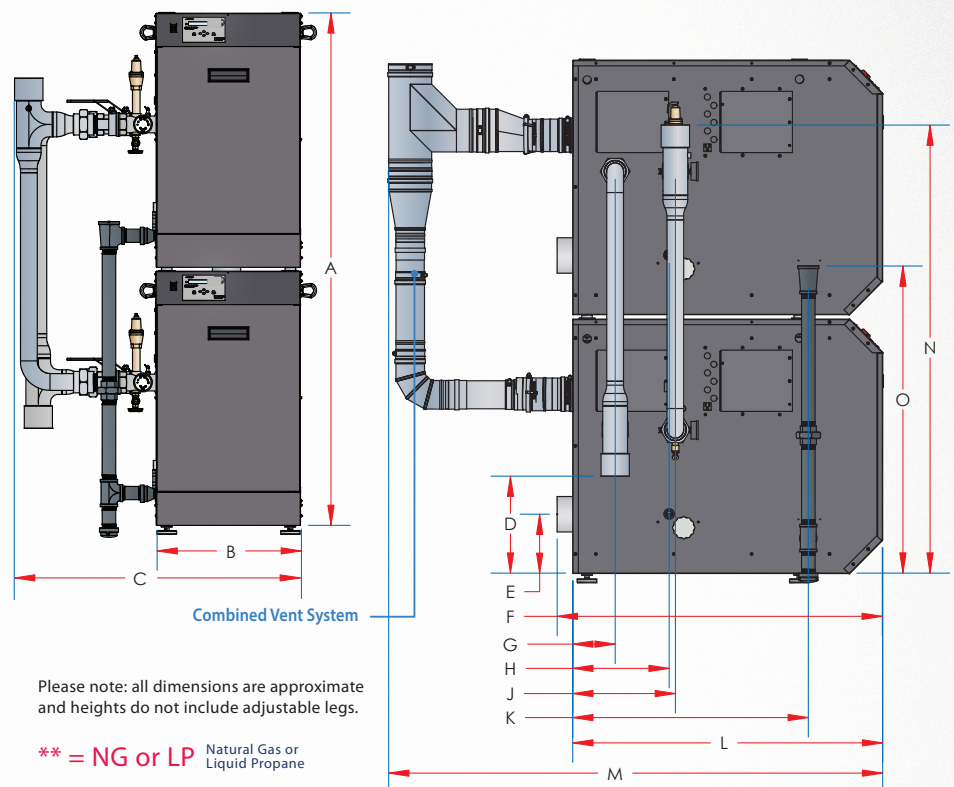
Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O
WBCMC**1000	72.5"	20.5"	42"	13.75"	8.38"	46"	6"	13.63"	14.5"	33.25"	43.75"	66.75"	63.25"	43.38"
WBCMC**1700	72.5"	20.5"	42"	13.75"	8.38"	64.5"	8.25"	20"	18.75"	43.5"	62.25"	88.5"	63.25"	59"

Heat Exchanger

- All Stainless Steel Construction
- No Gaskets, Welded Construction. ASME Approved
- 150 PSI Relief Rated
- Easy to Service

Integrated Control System

- Built-In Sequencer for up to 8 Boilers
- Digital Display with LED Status Indicators
- Integrated Control Allows Only the Amount of Heated Energy Required.
- Outdoor Sensing with Indirect Priority, Allows for Greater Energy Savings and Comfort
- Built-In Low Water Cut Off with Additional Manual Reset High Limit Switch
- Multiple Pump Outputs
 - Boiler Pump – System Pump
 - Indirect Pump
- 24 Volt Monitor - System Safeties
- Dual Flame Sensing (Flame Probe / Spark Ignition Probe)



Model	Btuh Input Range	Gross Output Btuh	Net Ratings (water) Mbh	Thermal Efficiency	# Cascade Units	Supply/ Return Conn.	Gas Conn.	Vent Dia.	Turndown Ratio	Est. Ship Weight	Combined Vent Length
WBCMC**500	100,000-500,000	470,000	409	94%	upto 8 (8EXs)	2"	1.5"	4"	5 to 1	505 lbs.	up to 200 ft.
WBCMC**700	170,000-700,000	686,000	597	98%	upto 8 (8EXs)	2"	2"	6"	5 to 1	580 lbs.	up to 200 ft.
WBCMC**850	170,000-850,005	799,000	695	94%	upto 8 (8EXs)	2"	2"	6"	5 to 1	580 lbs.	up to 200 ft.
WBCMC**1000	100,000-1,000,000	940,000	818	94%	upto 4 (8EXs)	3"	2"	6"	10 to 1	1010 lbs.	up to 150 ft.
WBCMC**1700	170,000-1,700,005	1,600,000	1,390	94%	upto 4 (8EXs)	3"	2.5"	8"	10 to 1	1160 lbs.	up to 150 ft.



TITANIUM COMMERCIAL CONDENSING BOILER

HIGH MASS BOILER

Superior Construction: Stainless Steel Titanium Blend

Stainless Steel AISI 316 Ti

Manufactured out of this extremely durable stainless steel and titanium blend

Up to 1,000,000 Btuh

Up to 93% Thermal Efficiency

Superior Heat Transfer

The reverse flame combustion chamber heats large amounts of hot water

Cascade up to 8 Boilers (with boiler rotation)

Mod/Bus interface for easy BMS system

Small Footprint (750 Model)

Will fit through a standard door opening
Caster wheels on the bottom of the boiler

CSD Compliant

**Direct Flow or Primary
Secondary Piping Options**

10:1 Turndown Ratio



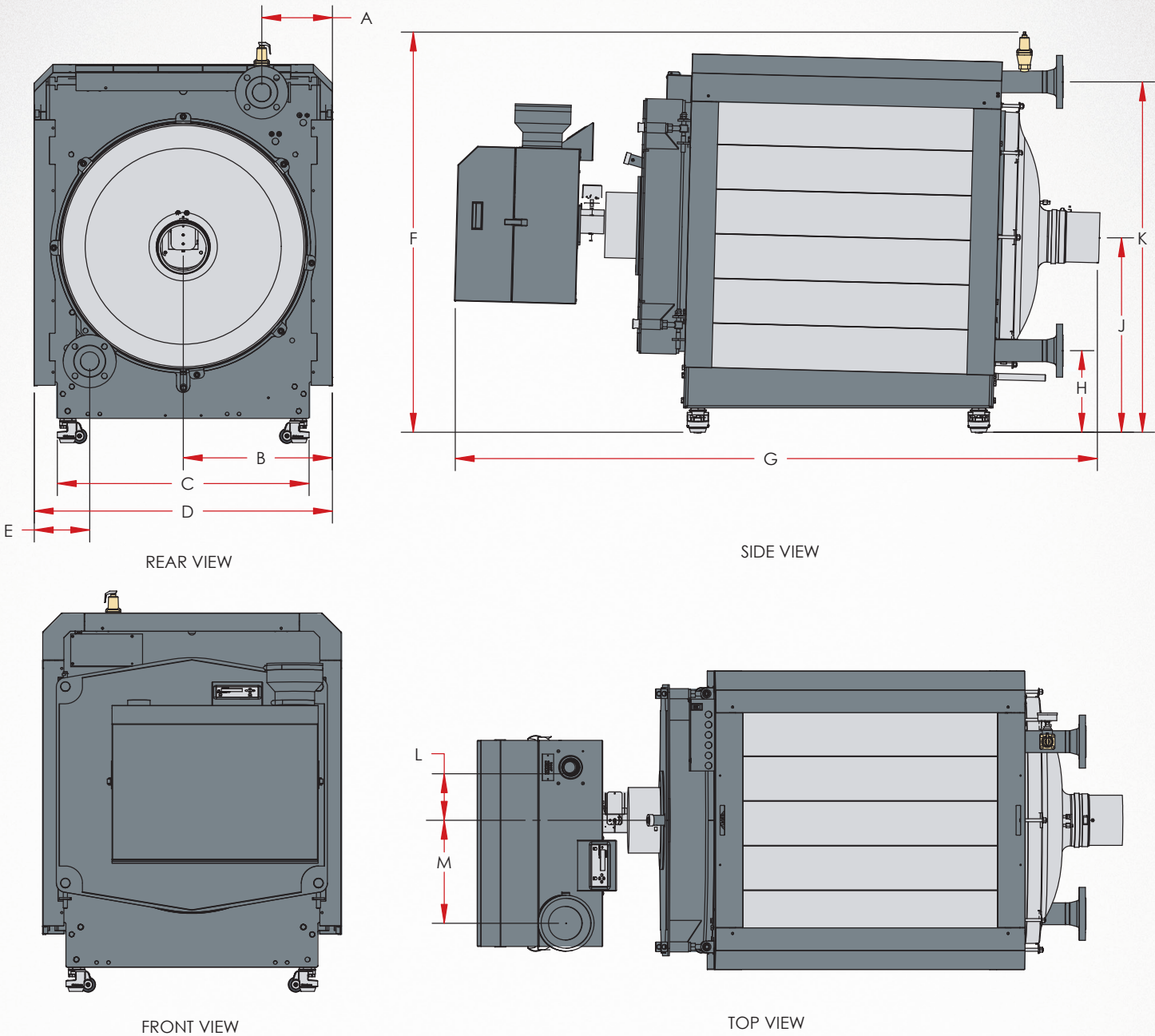
Limited 10 Year Commercial Warranty

Eliminates the Need for Primary–Secondary Piping: With up to 10 : 1 Modulation, Large Water Content Heat Exchanger with Virtually No Pressure drop (Under 2 feet of resistance at a 100 GPM Flow)

Models	Btuh	Net Ratings (Water)	Turndown Ratio	Supply & Return Pipe Size	Gas Line Connection	Thermal Efficiency	Vent Diameter	Approx. Shipping Weight
WBCETNG750	750,000	608 Mbh	10 : 1	2"	2"	93.2%	6"	850 LBS
WBCETNG1000	1,000,000	804 Mbh	10 : 1	2.5"	2"	92.5%	6"	950 LBS

Models	A	B	C	D	E	F	G	H	J	K	L	M
WBCETNG750	8.5"	16.5"	30.75"	32.75"	8.5"	49"	83"	8.25"	25"	43"	6.25"	13.75"
WBCETNG1000	9.25"	19.75"	36.25"	39.5"	7.25"	53"	85"	10.75"	25.75"	46.25"	6.25"	13.75"

PLEASE NOTE: ALL DIMENSIONS ARE PRELIMINARY AND APPROXIMATE





Westinghouse

High Efficiency Boiler with Optional Water Heating



140K & 199K Btuh Units

Stainless Steel, Fire Tube
Heat Exchanger

Turndown Ratio up to 10:1

Advanced Modulating Gas
Condensing Boiler: Up to
96% AFUE

Built-in 2 Gallon Indirect
Stainless Steel Tank

Universal Piping Location:
Installer Connection Can
Easily be Moved from Left
to Right Side of the Unit

3.2 GPM Flow Rate
@ 77° Rise (UFTC-140F)

4.8 GPM Flow Rate
@ 77° Rise (UFTC-199F)

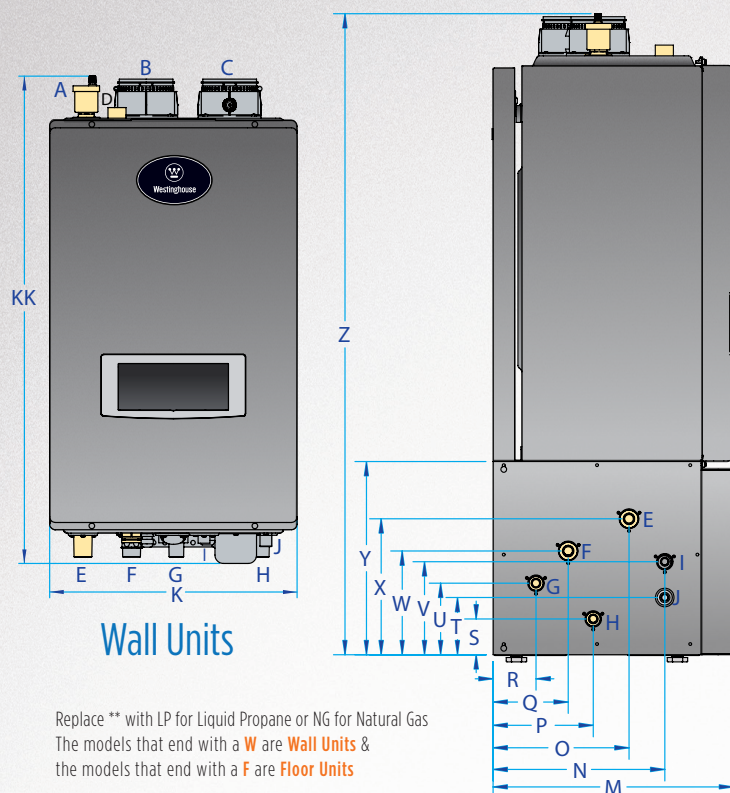
Venting: 2" or 3" PVC,
CPVC or Polypropylene



Floor & Wall Units



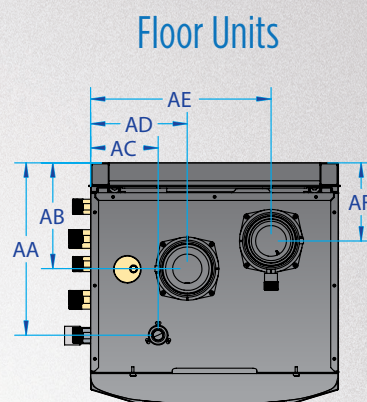
Save Energy • Save Money • Save Space • Save On Installation



Wall Units

Floor Units

Replace ** with LP for Liquid Propane or NG for Natural Gas
The models that end with a **W** are **Wall Units** &
the models that end with a **F** are **Floor Units**



Tankless Water Heater & Space Heating Appliance		
	DESCRIPTION	DIAMETER
A	AUTOMATIC AIR VENT	-
B	INTAKE PIPE CONNECTION	3"
C	EXHAUST PIPE CONNECTION	3"
D	PRESSURE RELIEF VALVE ADAPTER	3/4" NPTF
E	CH SUPPLY ADAPTER	1" NPT
F	CH RETURN ADAPTER	1" NPT
G	DHW OUTLET ADAPTER	3/4" NPT
H	DHW INLET ADAPTER	3/4" NPT
I	GAS CONNECTION ADAPTER	3/4" NPT
J	CONDENSATE ADAPTER	3/4" PVC

MODELS	K	KK	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
WBRC**140W WBRUC**140F	17.3	34	19.1	16.8	12	9.5	7	5.3	3	2.5	4	5	6.5	7.3	9.5	13.5	44.8	12	7.4	4.7	6.8	12.6	5.5
WBRC**199W WBRUC**199F	19.7	37	21.5	18.2	12	9.5	7	5.3	3	2.5	4	5	6.5	7.3	9.5	13.5	48	14	8.5	3.2	9.2	15.1	5.2

Model		WBRC**140W / WBRUC**140F	WBRC**199W / WBRUC**199F
DHW Input	Natural Gas or Propane Gas	14,000 ~ 140,000 Btuh	19,000 ~ 199,000 Btuh
Boiler Input / AFUE		14,000 ~ 140,000 Btuh / 96	19,900 ~ 140,000 Btuh / 95.1
Floor Model Dimensions (W x H x D)		W 19” x H 45” x D 17”	W 22” x H 48” x D 18”
Wall Mount Model Dimensions (W x H x D)		W 17.3” x H 34” x D 15.4”	W 19.7” x H 37” x D 16.8”
Installation Type		Indoor, Wall Mounted Model or Floor Model, Fully Condensing	
Venting Type		Forced Draft Direct-Vent	
Venting: Combined Vent Length / Materials		2"(50ft), 3"(100ft) / CPVC, PVC, PP & Power Vent	
Ignition		Electronic Ignition	
Gas Supply Pressure	Natural Gas	3.5"W.C ~ 14"W.C	
	Propane Gas	3.5"W.C ~ 14"W.C	
Power Supply	Main Supply	AC 120V / 60Hz	
	Maximum Power Consumption	160W	
Flow Rate (DHW)	35°F (19°C) Temp Rise	7.1 gal/m	9.88 GPM
	45°F (25°C) Temp Rise	5.5 gal/m	7.7 GPM
	77°F (43°C) Temp Rise	3.2 gal/m	4.8 GPM
Water Pressure	Central Heating	15 min - 30 max PSI	
	Domestic Hot Water	15 min - 150 max PSI	
Connection Sizes	Cold Water Inlet / Hot Water Outlet	3/4" NPT	
	Boiler Inlet / Outlet	1" NPT	
	Gas Inlet	3/4" NPT	
Warranty		Limited 10 Year Residential Warranty	

Westinghouse **Quick Zone Panel**



**Work
Smarter
Not Harder**

**Streamline
Everything
from Bidding
to Start-Up**

**Reduce
Installation
Times By
50-75%**

**Save Time
& Money**

Streamline Everything from Bidding to Start-Up

Work smarter, not harder with Westinghouse's Quick Zone Panel. It helps contractors and distributors save time and money! Speed up every step of the hydronic process, from bidding to start-up with the help of these prefabricated panels.

Fixed Costs Help Make Bidding Fast and Simple

Professional Panel

Present a professional appearance every time!

Cut Installation Times By 50-75%

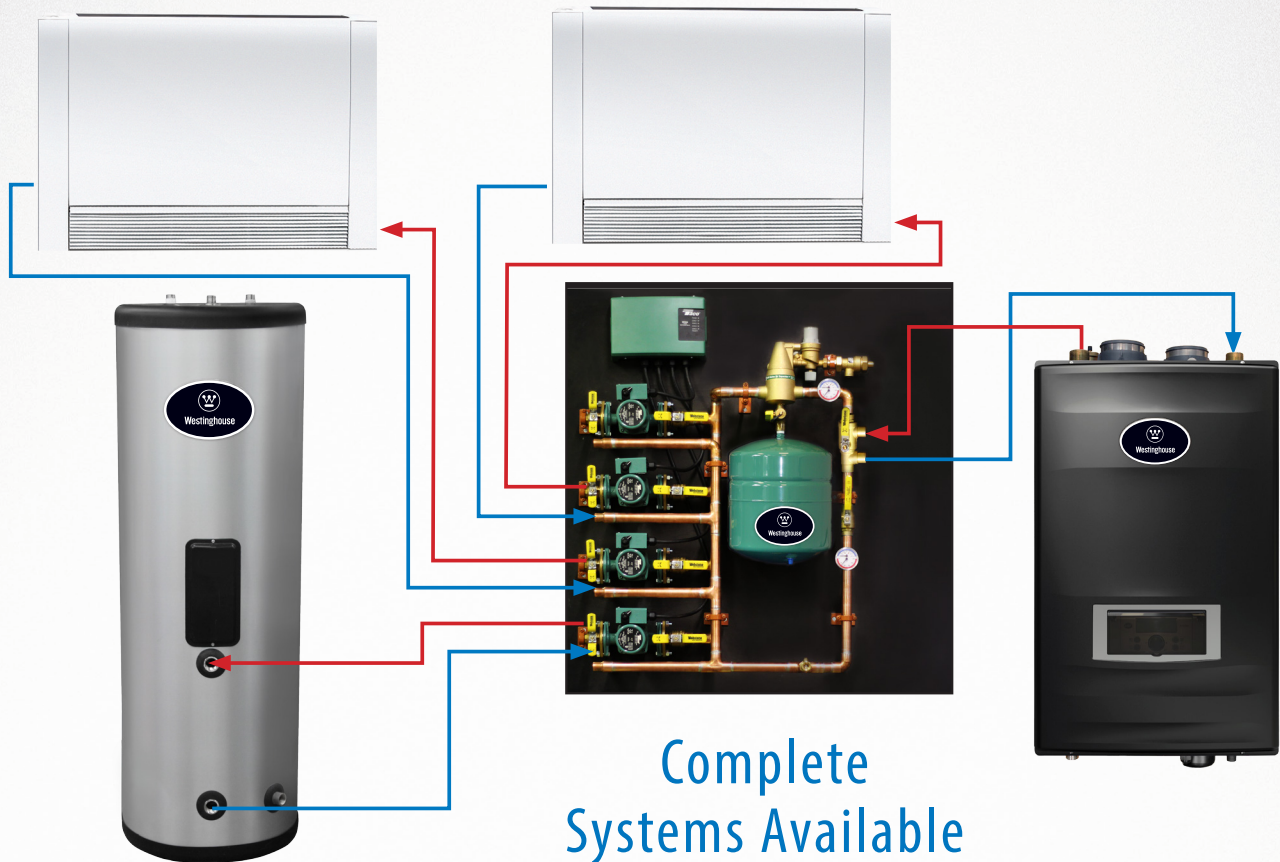
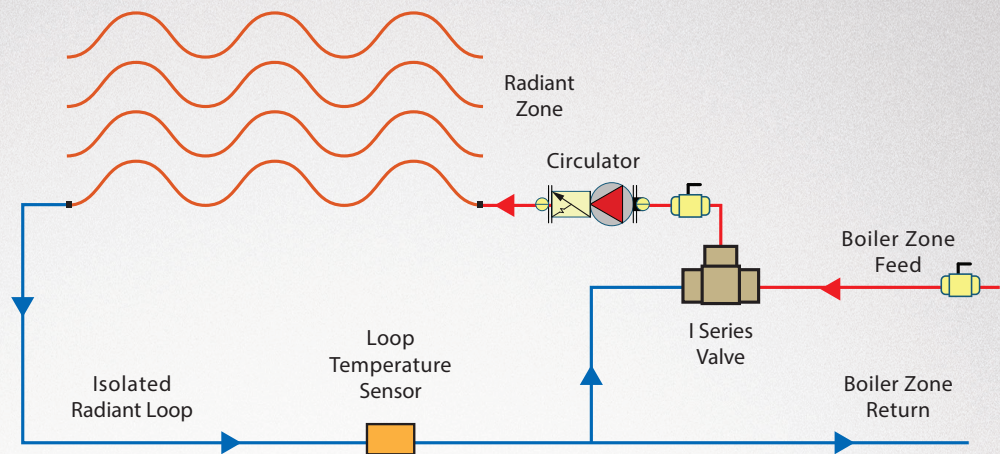
Eliminate the time consuming labor of starting from scratch, with the Quick Zone Panel system. Simply hang the panel and connect the boiler and zones. Before you know it, you are done!

Versatile System

This zero to four zone panel may be used in conjunction with any direct flow boilers, including Westinghouse's highly efficient boiler line. The manifold system may also be used with radiators, baseboards, and radiant heating systems.

Works with Most Hydronic Boilers

Radiant Flooring with The Quick Zone Panel System



Complete
Systems Available

Models	Zones / Pumps	Max Btuh	Pipe Size	Expansion Tank	Priority DHW
WQZM*140-2	2	up to 140,000	1"	#30	No
WQZM*140-3	3				Yes
WQZM*140-4	4				Yes
WQZM*220-2	2	up to 220,000	1 1/4"	#60	No
WQZM*220-3	3				Yes
WQZM*220-4	4				Yes
WQZM*400-4	4	up to 400,000	1 1/2"	#60	Yes
WQZM*400-6	6				Yes

* Replace the * in the Model number with a P, E or Z (This will determine which pumps or zone valves are used in the QZMS model): **P = Pump** **E = ECM Pump** **Z = Zone Valves**



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