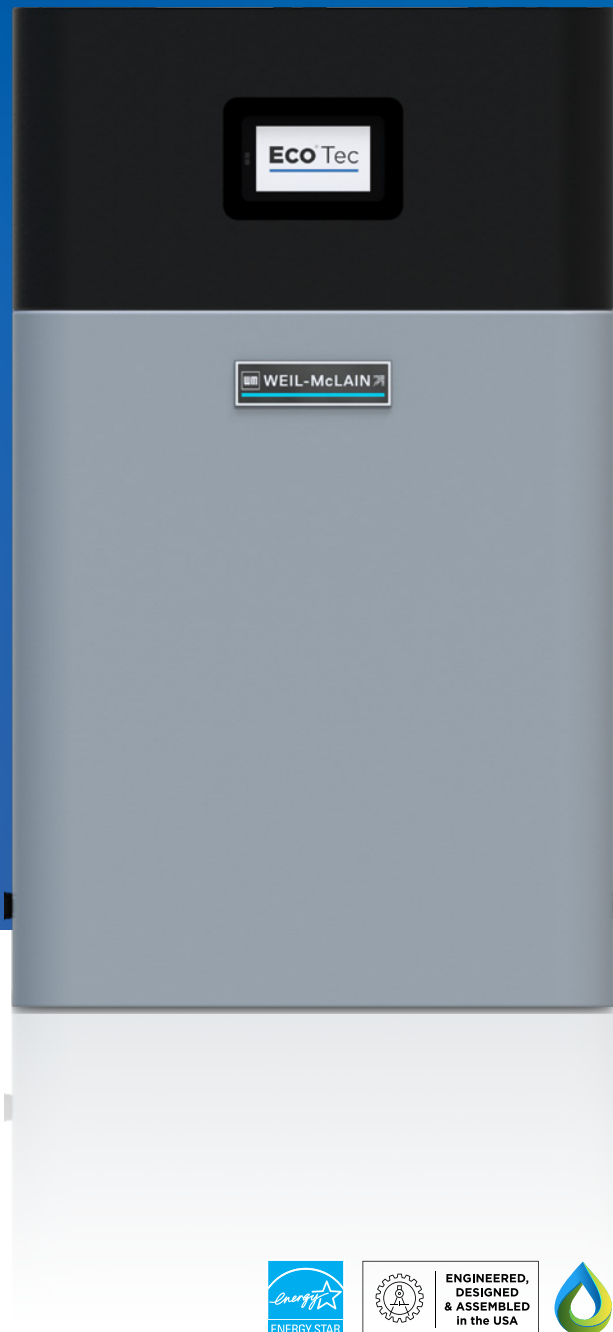


THE NEXT GENERATION OF COMFORT

ECO[®] Tec is Weil-McLain's
premium residential gas boiler



*Integrates with our ECO[™] HP
Air-to-Water Heat Pump*

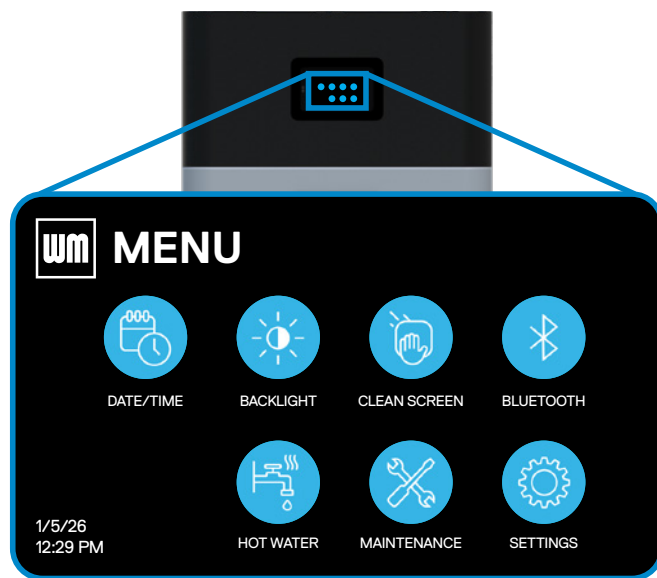


EFFICIENCY ADVANTAGE

ECO Tec is Weil-McLain's premium residential gas boiler. It's designed to be easy to install and service, with a long-lasting stainless steel firetube heat exchanger and our next-generation color touchscreen control with multi-zone and other advanced capabilities. It features a space-saving wall-mount design, optional pedestal for floor standing installations and common-parts approach across all models.

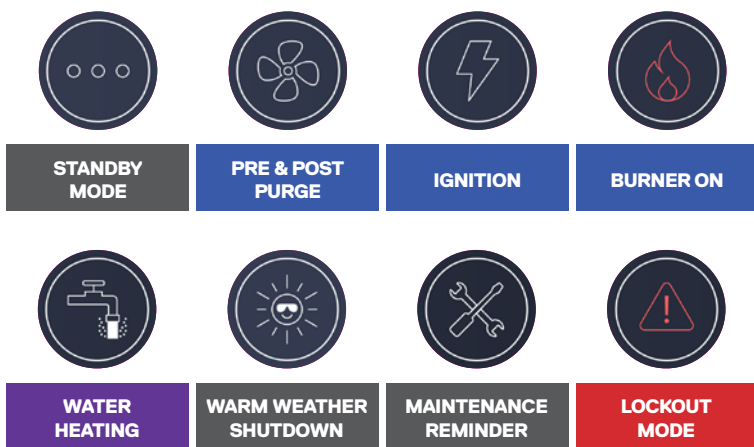
ECO Tec is available in four heat-only sizes, from 80 to 199 MBH, and three combi sizes, from 110 to 199 MBH. The 199 size can generate up to 5.4 GPM and is able to satisfy two showers, a faucet and a dishwasher at the same time—making it the premium residential combi from North America's leading boiler manufacturer.

With an impressive 95% AFUE rating, ECO Tec has earned the ENERGY STAR®, helping homeowners save on energy costs every heating season. Even greater savings can be realized, all year long, if choosing the combi unit for both space and domestic hot water heating.



CONTROL ADVANTAGE

Want to know at a glance what your boiler is doing? No problem on the ECO Tec. Whether you're in front of the boiler or across the room, our display screen has operation status icons and colors.



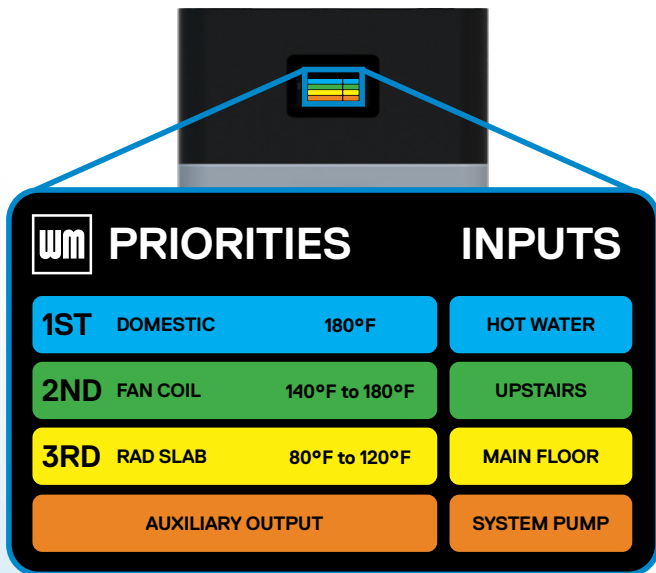
Forget when to have a checkup? We've got you covered.

A maintenance reminder can be set to automatically appear on the display screen when it's time. And no need to find and check your paperwork... the contractor's name and phone number appear on the screen as well.

COMFORT *WHERE YOU NEED IT*

Weil-McLain is dedicated to simplified and targeted comfort. Our next-generation Unity 2.0 control is equipped with 10 preloaded system-type options to choose from and even has a guided setup wizard—making start-up as easy as a touch on the screen.

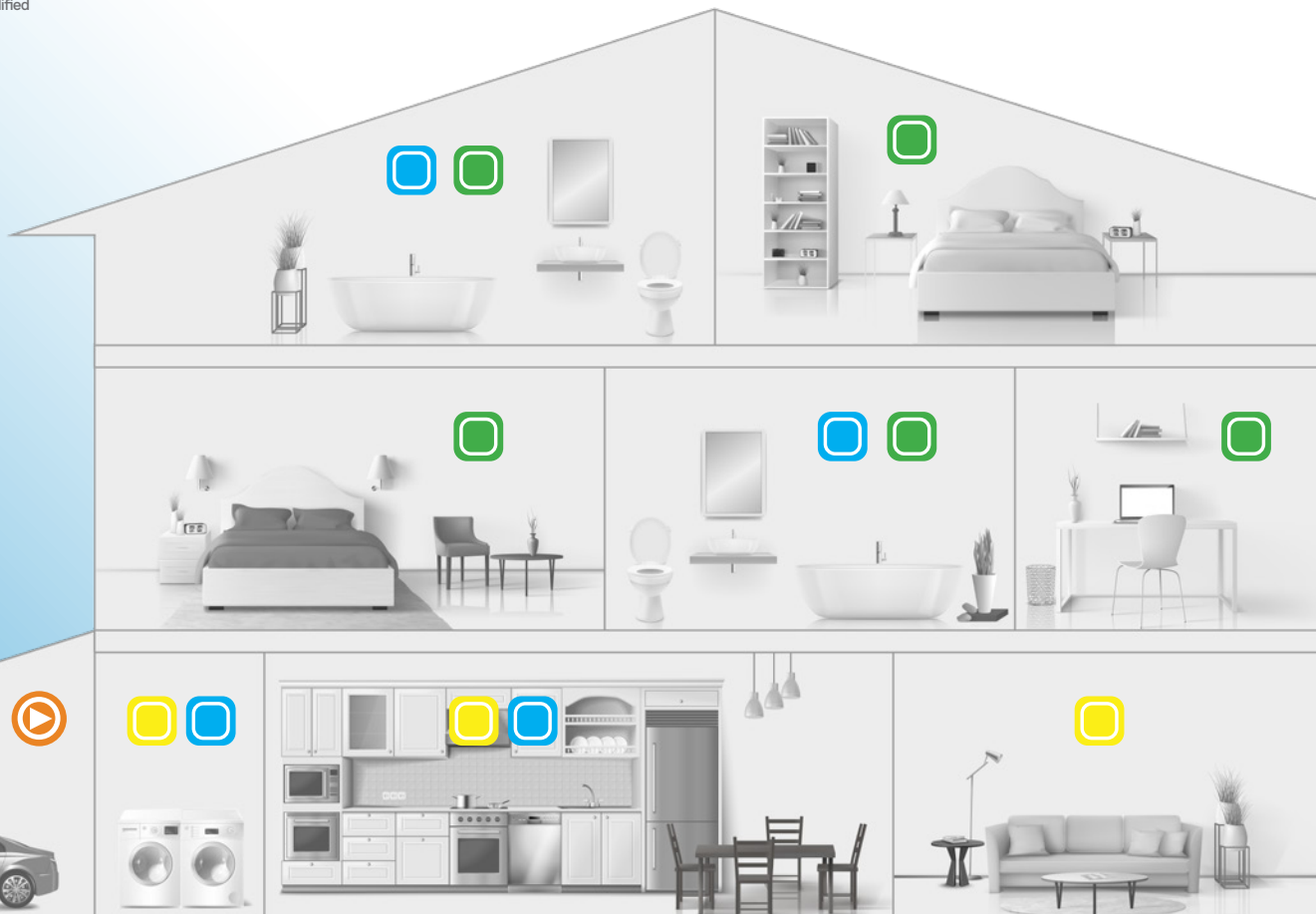
We understand heating systems. We've been leading the industry for close to 150 years. Different types of systems operate at different temperatures, and a home may have a combination of systems in it. We've simplified that too. Our boiler control can send out different temperatures to match the home's systems, assign a priority of what need is met first, and identify what part of the home is set up on each system by color code.



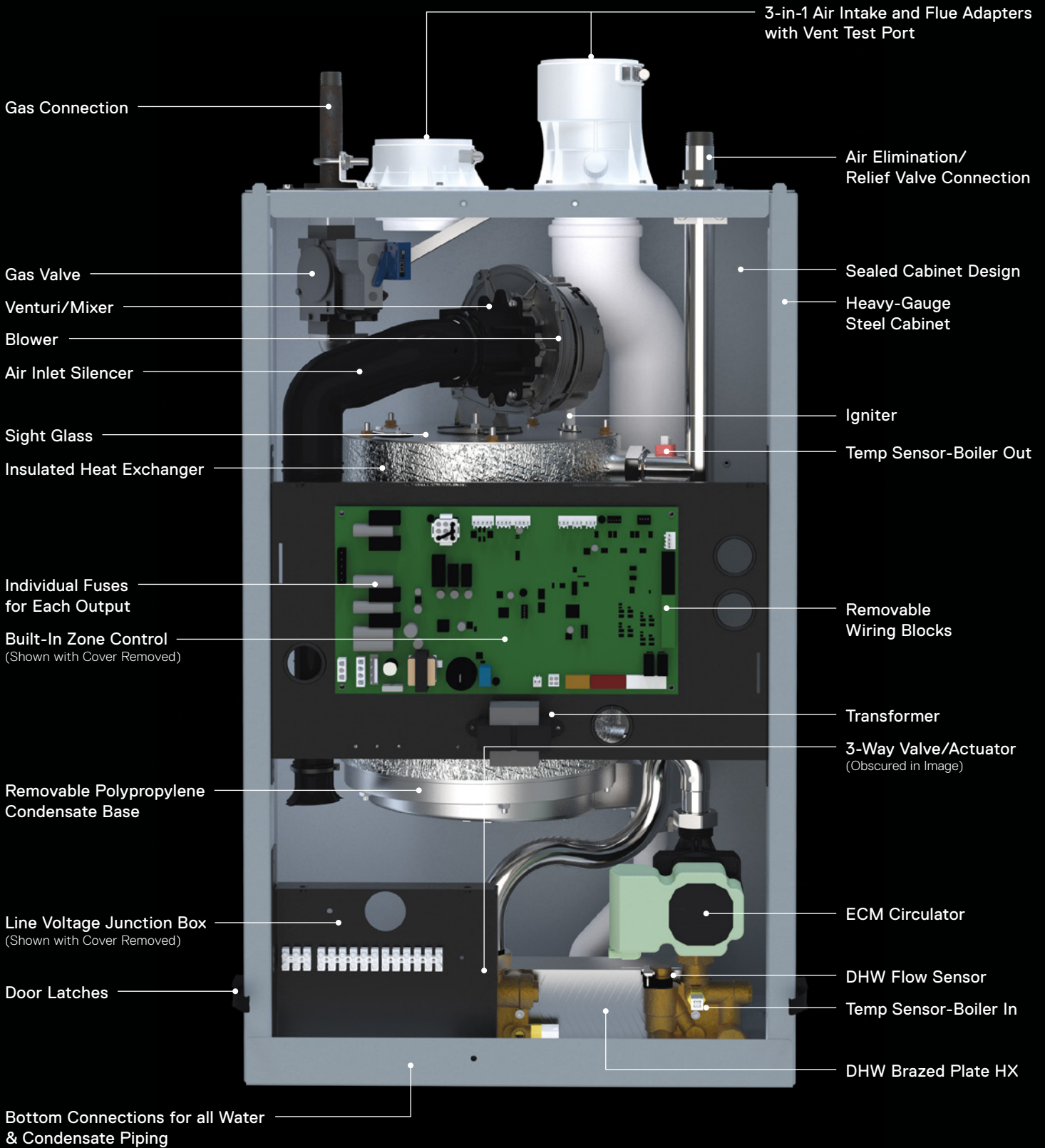
Display screen enlarged and modified for explanation purposes only

HOT WATER *WHEN YOU NEED IT*

Household lifestyles vary. Shouldn't controls match the family's needs? While some other products may only offer one setting, we know that's not enough. The ECO Tec control has several different domestic hot water modes to choose from to maximize energy savings and/or comfort—ranging from the most efficient mode to preheat, high performance or our own ECO BOOST™ technology.



HIGH TECHNOLOGY. OPEN DESIGN.



DESIGN ADVANTAGE

- Spacious cabinet allows full access to all critical parts that are strategically positioned
- Durable, high-grade stainless steel firetube primary heat exchanger maximizes heat transfer, and its vertical design promotes self-rinsing during operation
- Combustion system achieves up to a 10:1 turndown ratio to minimize fuel usage and is low NOx emission certified
- Corrosion-resistant polypropylene heat exchanger base protects against acidic condensate
- Sound-suppressing air silencer for whisper-quiet operation
- Insulated heat exchanger and DHW pipe further reduce heat loss and noise
- Sealed cabinet preheats incoming air for smooth starting, and does not pull any potential outside debris directly into blower and burner
- Removable, unique control terminal blocks eliminate potential field wiring errors
- NSF/ANSI 372-certified stainless steel domestic hot water brazed plate exchanger design provides up to an industry-leading 5.4 gallons per minute at a 70-degree temperature rise (199 combi)
- Control board features multiple fuses to help protect from surges, and has a “built-in” zone control able to accept up to 4 thermostat inputs and operate up to 4 external circulators (plus internal) without the need of an external control (2 on combi)
- Built-in ECM circulator saves electrical energy and installation time
- 3-in-1 universal air and vent adapters readily accept different types of pipe materials, and vent has a built-in test port to aid combustion testing
- Multiple boiler-capable control, able to operate up to eight boilers when using optional wiring kit — no need to add an expensive external sequencing control

CONNECTIVITY ABILITY

Download the Weil-McLain ProTools® app on your smartphone and connect to the boiler using Bluetooth® wireless technology.

- Easy to read dashboard, showing all critical information at a glance
- Records boiler operation, aiding service and maintenance procedures
- Real-time video sharing with our tech group, to help resolve any operational issue quickly
- Access to all product and warranty information—and register your boiler too
- “Clone to Phone” feature, you can copy settings from one boiler to another making set up a breeze
- Retrieve the latest software and update your boiler with the latest settings and features
- No extra service connection device to purchase



Scan to download the app



Bluetooth®
Connect

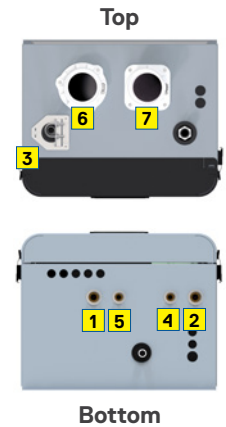


PROTOOLS

SPECIFICATIONS

Domestic Hot Water Flow Rate Gallons Per Minute @ Temp Rise			
Model ¹	70°F	75°F	77°F
110-C	3.0	2.8	2.7
150-C	4.1	3.9	3.7
199-C	5.4	5.0	4.9

Connections (NPT/Inches)		80	110-H	110-C	150-H	150-C	199
1	Heating system supply tapping	1"	1"	3/4"	1"	3/4"	1"
2	Heating system return tapping	1"	1"	3/4"	1"	3/4"	1"
3	Gas connection	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
4	Domestic cold water supply	–	–	1/2"	–	1/2"	3/4"
5	Domestic hot water outlet	–	–	1/2"	–	1/2"	3/4"
6	Combustion air connection	3"	3"	3"	3"	3"	3"
7	Flue outlet connection	3"	3"	3"	3"	3"	3"



		AHRI Certified Ratings								
	Model ¹	Input (MBH)	DOE Heating Capacity (MBH) ²	Net AHRI Water Ratings (MBH) ³	DOE Seasonal Efficiency (AFUE)	Boiler Water Content (Gal.)	Vent/Air Pipe Size (In.)	Vent Material	Boiler Dimensions	Boiler Weight (Lbs.)
HEAT-ONLY	80-H	80	74	64	95%	2.2	2 or 3	PVC, CPVC, PP, SS	16"L x 20"W x 34"H	96
	110-H	110	100	87	95%	2.2	2 or 3	PVC, CPVC, PP, SS	16"L x 20"W x 34"H	96
	150-H	150	139	121	95%	3.1	2 or 3	PVC, CPVC, PP, SS	16"L x 20"W x 34"H	105
	199-H	199	184	160	95%	3.8	2 or 3	PVC (3" only), CPVC, PP, SS	20"L x 20"W x 34"H	112
COMBI	110-C	110	100	87	95%	2.2	2 or 3	PVC, CPVC, PP, SS	16"L x 20"W x 34"H	106
	150-C	150	139	121	95%	3.1	2 or 3	PVC, CPVC, PP, SS	16"L x 20"W x 34"H	115
	199-C	199	184	160	95%	3.8	2 or 3	PVC (3" only), CPVC, PP, SS	20"L x 20"W x 34"H	122

¹Shipped as natural gas, field-convertible to LP with optional kit.

²Based on standard test procedures prescribed by the United States Department of Energy, MBH refers to thousands of BTU per hour.

³Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirement of the building and nothing needs to be added for normal piping and pick-up. Ratings are based on piping and pick-up allowance of 1.15. An additional allowance should be made for unusual piping and pick-up loads.

FEATURES:

BOILER

- Stainless Steel Firetube Heat Exchanger
- Non-Metallic Heat Exchanger Base
- 10:1 Turndown Ratio (110–199 Sizes)
- 8:1 Turndown Ratio (80 Size)
- Built-In ECM Circulator (Taco 0015e)
- 3-in-1 Air/Vent Adapters w/ Vent Test Port
- Wall-Mount Bracket and Template
- Condensate Trap
- Low NOx SCAQMD Compliant
- High Altitude Approved

CONTROL FEATURES

- Color Touchscreen Display
- Easy Setup with Control Wizard
- Zone and/or Priority-Based Control
- 4 Thermostat Inputs (2 on Combi)
- 0-10V Input (Modulation or Setpoint)
- Outdoor Reset for Each Priority
- Rate Adjustable per Priority
- 4 Outputs (2 on Combi) can be used with external circulators, dampers or system aux
- Aux Inputs—Flow Switch or End Switch

- Aux Outputs—System Pump or Damper
- Individually Fused 120V Outputs
- Modbus Connectivity
- Additional Heat Demand Contact
- Multi-boiler functionality with optional kit

OPTIONAL EQUIPMENT:

- Easy-up Manifold**
Avoid flow issues, save time with quick fit near boiler piping
- Isolation Flush Valves**
For easy DHW maintenance
- Paintable Sidewall Vent Termination**
Blend in, nice appearance
- 2" and 3" Concentric Vent Termination**
For one penetration through sidewall or roof
- Low Water Cutoff**
Simple plug and play kit to meet local codes
- Condensate Neutralizer**
To protect home drain line
- Water Treatment and Test Kit**
To help ensure entire system protection
- Parts Kit**
Critical components to optimize customer service

- Maintenance Kit**
Key components to perform annual boiler maintenance
- Propane Kit**
Simple conversion to match home LP supply
- System Sensors**
Extra monitoring points on supply and return pipes for further modulation
- Multi-boiler Wiring Kit**
Connect and operate up to eight ECO Tec boilers, to satisfy the needs of larger structures
- Floor Stand Kits**
 - Pedestal version (shown)
 - Adjustable frame version



WARRANTY:

Transferable, Non-Prorated

RESIDENTIAL

- 12-years on primary heat exchanger
- 2 years on parts without registration or **5 years on parts with registration**

COMMERCIAL

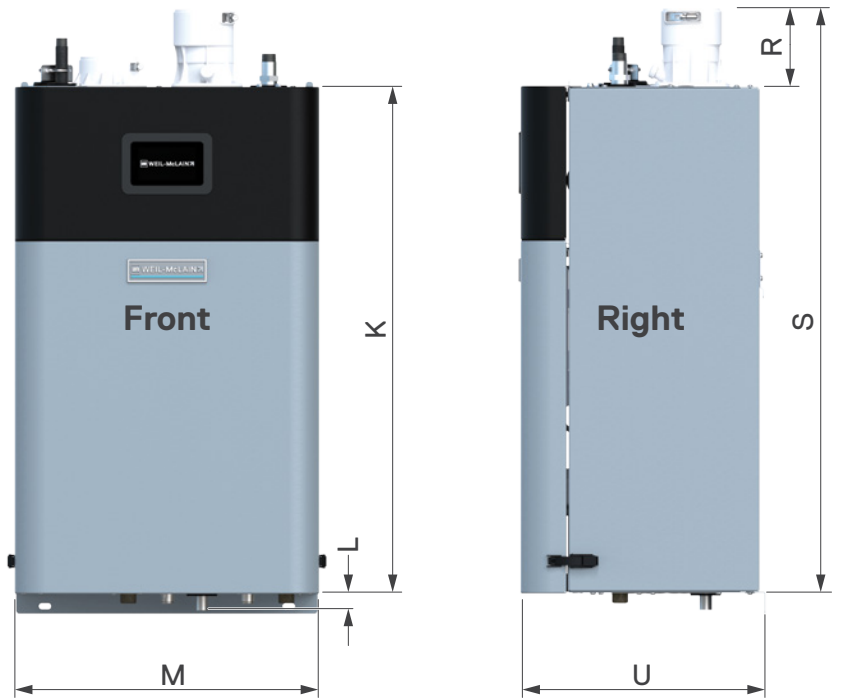
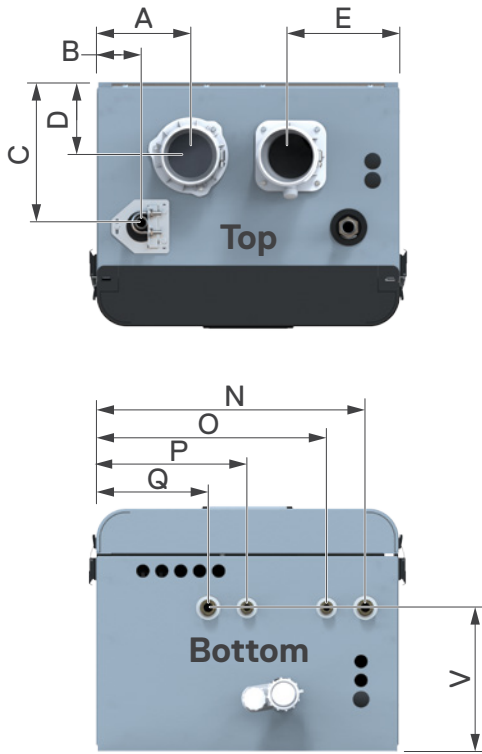
- 10 years on primary heat exchanger
- 1 year on parts

In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specifications without notice.

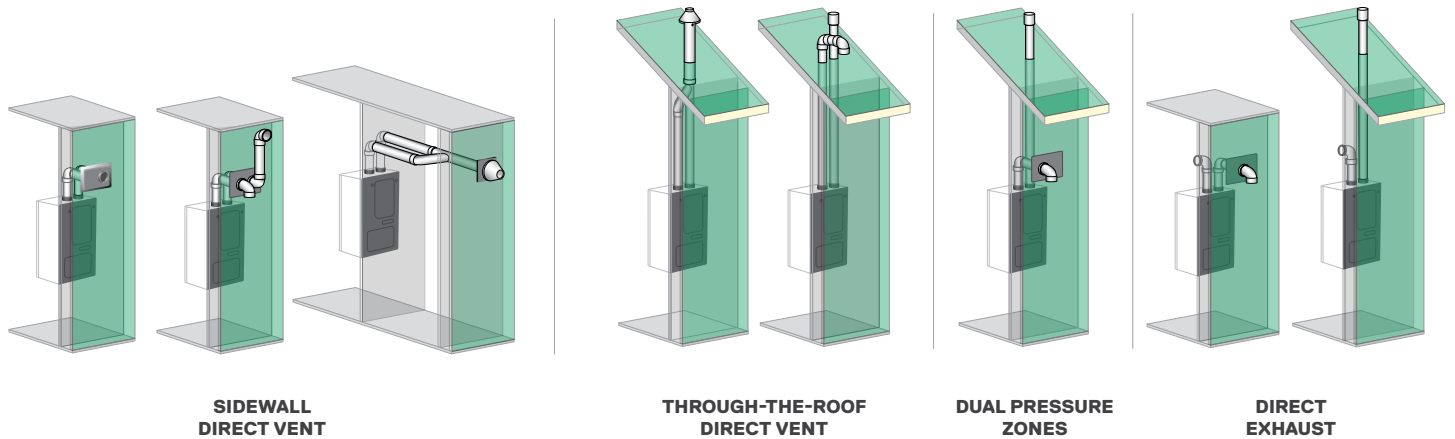


DIMENSIONS

Model	Dimensions															
	A	B	C	D	E	K	L	M	N	O	P	Q	R	S	U	V
110-150	6 ³ / ₁₆ "	3"	9 ¹ / ₄ "	4 ¹³ / ₁₆ "	7 ⁵ / ₈ "	33 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	20"	17 ¹³ / ₁₆ "	15 ¹ / ₄ "	10"	7 ⁷ / ₁₆ "	5 ¹ / ₈ "	38 ¹ / ₄ "	16"	9 ¹ / ₂ "
199	4 ¹³ / ₁₆ "	2 ¹ / ₂ "	13"	4 ¹³ / ₁₆ "	9 ⁹ / ₁₆ "	33 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	20"	16 ³ / ₄ "	14 ³ / ₁₆ "	8 ⁷ / ₈ "	6 ³ / ₈ "	5 ¹ / ₈ "	38 ¹ / ₄ "	19 ⁹ / ₁₆ "	8"



MULTIPLE VENTING OPTIONS





Questions? Contact Weil-McLain
Support Services at 800-654-2109
or visit www.weil-mclain.com

Easier. Better. Smarter.

Pair the ECO[®] Tec with the ECO[™] HP system for a high-efficiency hybrid solution. Combining hydronic heating with heat pump technology delivers improved efficiency, flexibility, and reliable comfort year-round.

ECO[™] HP Air-to-Water Heat Pump

Outdoor Unit



Indoor Unit

