



AquaBalance[®]

SERIES 2

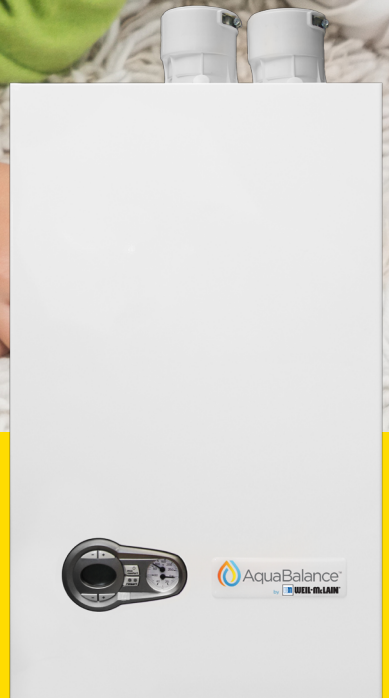
by  **WEIL-McLAIN[®]**

**HEAT ONLY AND COMBINATION GAS
WALL MOUNT BOILERS**

**95%
AFUE**
Energy Efficiency

Now with new
enhancements
for improved
performance

Bringing
heat and **hot water**
into perfect **Balance**



Efficiency, ease and value blend into one



95%

AFUE energy
efficiency

Efficiency and technology that exceeds the standard

Whether you choose the AquaBalance® heat only or combination (combi) boiler, you're assured energy efficiency that meets the rigorous standards of all Weil-McLain boilers. It's a level of efficiency that earns ENERGY STAR® rebates and doesn't compromise on performance. You're also benefiting from one of the industry's top stainless steel heat exchanger designs, with a wider waterway to provide cold weather comfort and long service life.



80-155K

heating
input

Plenty of capacity

Now add in the capability to meet homeowners' everyday needs. AquaBalance's heating capacity keeps every family toasty. And the combi model has plenty of power for whole house domestic water heating. It provides a constant supply of hot water by producing up to an impressive 4 gallons per minute (GPM at 70°F rise*).



4.0
GPM*
at 70° rise
minimum

Easy to install

The AquaBalance heat only models are very simple to install. Fewer pipes and less connection points translate into less time. With AquaBalance, the whole system is up and running quickly. By making the switch from a separate boiler and hot water tank to the AquaBalance combi-system, the contractor installation process is streamlined.

Once AquaBalance is installed and operating, contractors and homeowners alike will appreciate the simple, user-friendly controls and the unit's aesthetically pleasing design. Rest easy, knowing that the design and reliable operation has passed the Weil-McLain gold standard.

Very affordable

Here's one more thing that makes AquaBalance easy to like: a great value at a very affordable price. It will have a calming effect.

Balancing space.

Balancing lives.

Great things really do come in small packages. The AquaBalance® combi-boiler combines the unmatched reliability of Weil-McLain with the warmth of high-efficiency space heating and the convenience of on-demand domestic hot water. All in one elegant, space-saving package.

The unity of space and power

AquaBalance® is the perfect solution for people who live in smaller, single-family homes, apartments or condos. It's sleek, compact design is small enough to fit in a closet. Yet, its high-efficiency condensing technology has the power to supply hydronic heat for up to a 2,500 square-foot home while supplying enough hot water to run two showers and a dishwasher simultaneously.*

Backed by a legacy of reliability

Perfect for retrofits or new construction, AquaBalance lets customers gain extra room, enjoy eco-friendly energy savings, and turn on all the hot water they need, as quick as they can find the faucet. Backed by Weil-McLain, with over a 140-year legacy of bringing warmth and comfort to millions of households, AquaBalance is the right choice to make the most of space.



AquaBalance quality

AquaBalance from Weil-McLain leverages leading-edge boiler technology to optimize smaller space residential applications. Top-to-bottom, AquaBalance has a range of features second to none in delivering energy efficient, worry-free space heat and domestic hot water.

Whole Home Domestic Water Heating Capability:

Our 155k BTUH input unit produces up to 4.0 GPM at 70°F temperature rise, more than enough hot water for 2 showers and a faucet/dishwasher simultaneously.

*155MBH combi model

STANDARD EQUIPMENT:

- Stainless Steel heat exchanger
- Mounting bracket and hardware
- Spark ignition
- Outdoor sensor
- Honeywell control
- Temperature & pressure gauge
- 3-prong power cord
- Condensate drain
- Relief valve
- 3-in-1 Vent adapter
- Low NOx SCAQMD compliant

COMBI MODELS:

- DHW flat plate heat exchanger
- 3-speed circulator

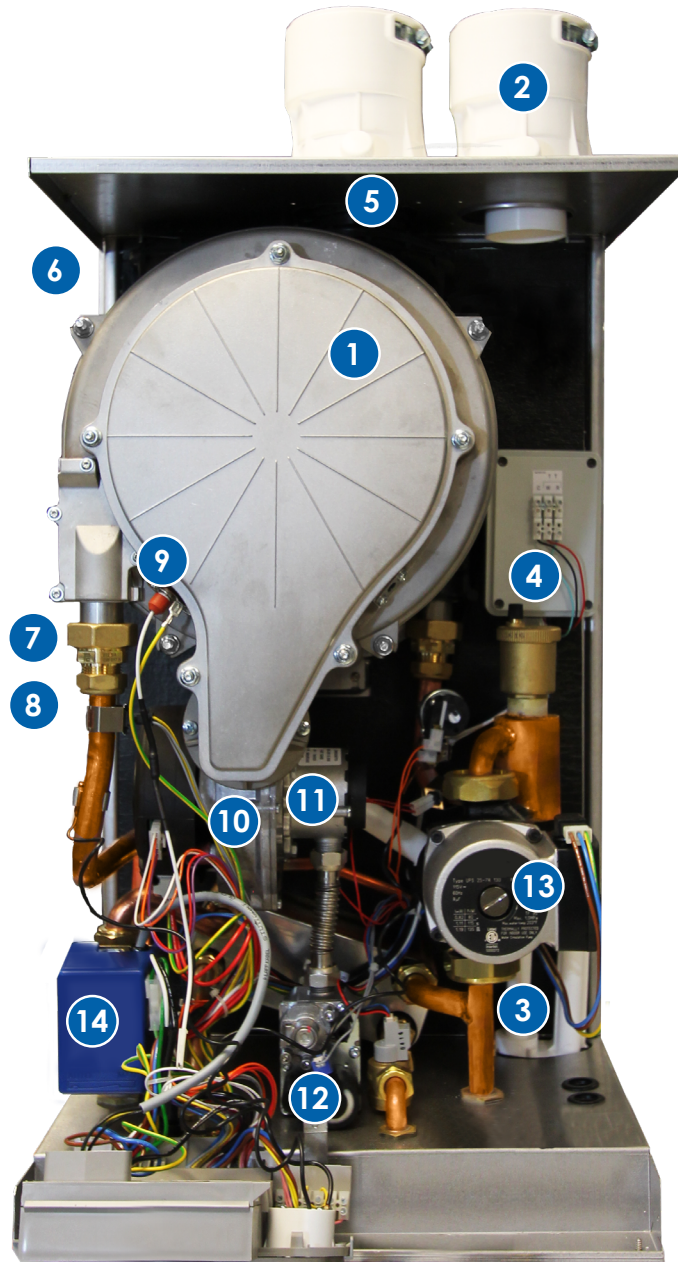
OPTIONAL EQUIPMENT:

- Propane conversion kit
- Concentric vent kit
- Condensate neutralizer
- Water treatment inhibitor and test kit
- Easy up manifold kit
- System circulator wiring kit
- Boiler stand

WARRANTY:

- 10 year limited warranty heat exchanger for residential use
- 5 year limited warranty heat exchanger for commercial use
- 2 year limited warranty all other parts

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



Features include:

1. 1" Diameter ASME certified 316L Stainless Steel single tube heat exchanger - wide waterway & low pressure drop design
2. 3-in-1 vent adapter - readily accepts PVC, CPVC, SS, or PP piping materials
3. Space saving internal condensate trap
4. 24 VAC thermostat relay, fuse protected with time saving prewired terminal strip
5. Heavy gauge insulated jacket — provides quiet operation
6. Contractor friendly removable sides
7. Quality brass nuts on heat exchanger for both DHW & space heating (no flimsy clips)
8. Strategically placed sensors used instead of additional bulky boiler controls
9. Ignitor - designed for easy access
10. Blower - quiet operation, with power to vent 100 feet
11. Venturi that precisely mixes fuel & air for optimal operation
12. Gas valve, with an energy saving 10:1 turn down ratio - unit automatically adjusts to match the need

Combi Version ONLY:

13. Internal 3-speed circulator
14. 3-way valve with bypass lever

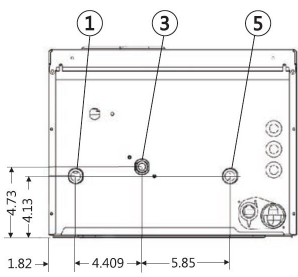
Not pictured:

- Digital Display Honeywell Control
- 120V, 6 ft. power cord with plug

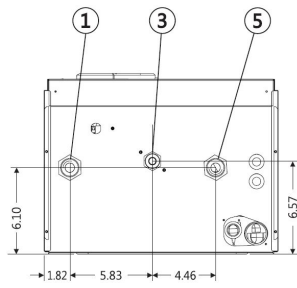
Recent Enhancements:

- Now with commercial grade gaskets on primary & secondary heat exchangers
- All combi boilers feature a robust 3-way valve design

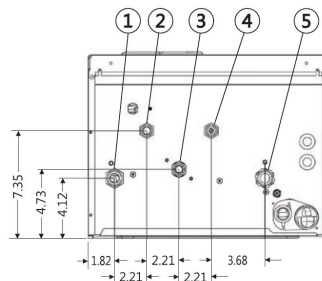
- Fortified corrosion resistance of cabinet's interior surfaces
- New control labeling, improves wiring connection identification
- New optional wiring kit, to ease connection & operation of a system circulator



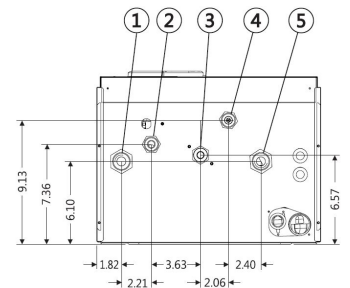
Heating Only Bottom (80/120)



Heating Only Bottom (155)



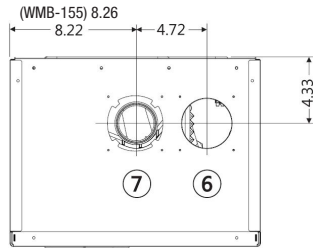
Combi Bottom (80/120)



Combi Bottom (155)



Front (80/120/155)



Top (80/120/155)

Connections (NPT/Inches)

		80/120	155
1	Heating system supply tapping	3/4"	1"
2	Domestic hot water outlet	1/2"	3/4"
3	Gas connection	1/2"	3/4"
4	Domestic cold water supply	1/2"	3/4"
5	Heating system return tapping	3/4"	1"
6	Combustion air connection	3"	3"
7	Flue outlet connection	3"	3"

Domestic Hot Water Flow Rate
(Based on 70° temperature rise)

Model ¹	Gallons per minute
AB-80C	2.0
AB-120C	3.2
AB-155C	4.0

	Model ¹	Input MBH		AHRI Certified Ratings			Vent/air pipe size (Inches) ⁴	Vent material	Boiler water content (Gallons)	Approx. shipping weight (Lbs.)
		Max.	Min.	DOE heating capacity MBH ²	Seasonal efficiency AFUE %	Net water rating MBH ³				
HEAT ONLY	AB-80	80	8	75	95.0	65	2 or 3	PVC, CPVC, PP, SS	1.03	64
	AB-120	120	12	112	95.0	97	2 or 3	PVC, CPVC, PP, SS	1.23	67
	AB-155	155	15.5	144	95.0	125	2 or 3	PVC*, CPVC, PP, SS	1.23	67
COMBI	AB-80C	80	8	75	95.0	65	2 or 3	PVC, CPVC, PP, SS	1.11	77
	AB-120C	120	12	112	95.0	97	2 or 3	PVC, CPVC, PP, SS	1.31	80
	AB-155C	155	15.5	144	95.0	125	2 or 3	PVC*, CPVC, PP, SS	1.33	87

*For 3" Pipe Only

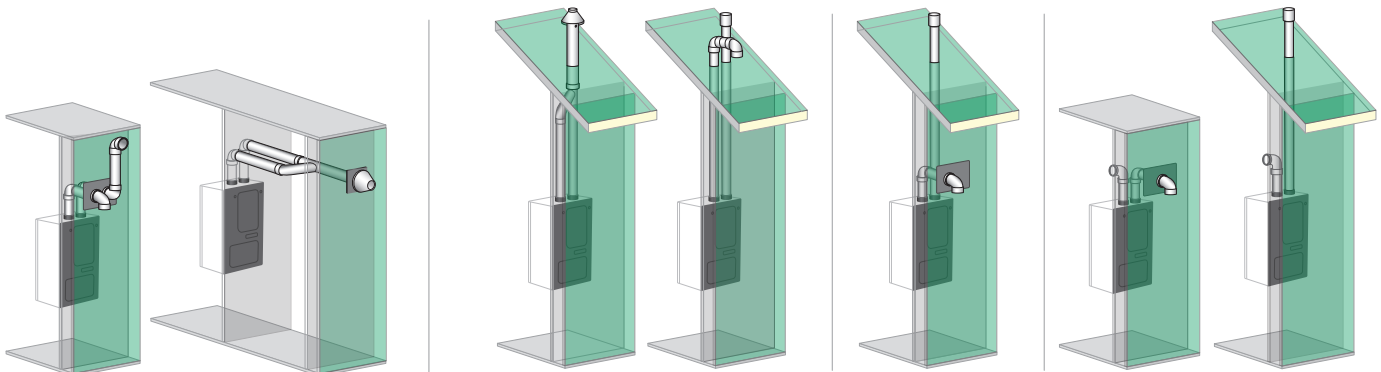
¹Natural gas field convertible to LP with optional kit.

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.

⁴Boilers must be vented directly to the outdoors. See boiler manuals for details.



Sidewall direct vent

Through-the-roof direct vent

Dual pressure zones

Direct exhaust



Innovating the future of comfort



AquaBalance® from Weil-McLain joins the industry's widest selection of high-efficiency gas and oil-fired boilers for residential and commercial heating needs. While other manufacturers may sacrifice true real-world performance in an effort to promote certain claims, our certified boilers have set the industry standard for reliability, comfort and solid operation.

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SERIES 2

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SIMPLIFIED SOLUTIONS FOR OUR COMPLEX WORLD™

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