

AQUA PLUS

Weil-McLain Introduces A **NEW** Line Of Indirect-Fired Water Heaters

TEMPERATURE AND PRESSURE RELIEF VALVE STANDARD EQUIPMENT

THERMOSTAT CONNECTIONS ALREADY INSTALLED FOR QUICK AND EASY WIRING

316L STAINLESS STEEL TANK WELDED WITH "TIG AND PLASMA" TECHNOLOGY

- Higher tolerance against corrosion vs. carbon steel tanks
- 100% air pressure/ water testing of tank and coil

HIGH OUTPUT OVER 1" DIAMETER 304 STAINLESS STEEL HEAT EXCHANGER

- Superior 1st hour rating and recovery
- Large diameter heat exchanger allows for low pressure drop

ALL CONNECTIONS INCLUDING BOILER SUPPLY AND RETURN, DOMESTIC WATER, AND DOMESTIC RECIRCULATION ARE ON THE SIDE OF THE TANK

- Domestic Recirculating tapping allows for quick connection for installing recirculating line and circulating pump
- All connections come with plastic grommets for cleaner inspection of tappings

INSPECTION PORT ON EVERY TANK LOCATED NEAR THE BOTTOM OF THE TANK

- Hatch provides easy access for tank cleaning and inspection

MAGNESIUM ANODE INSTALLED IN ALL TANKS

- Factory installed Magnesium Anode is a sacrificial element, that makes for effective electrochemical tank protection

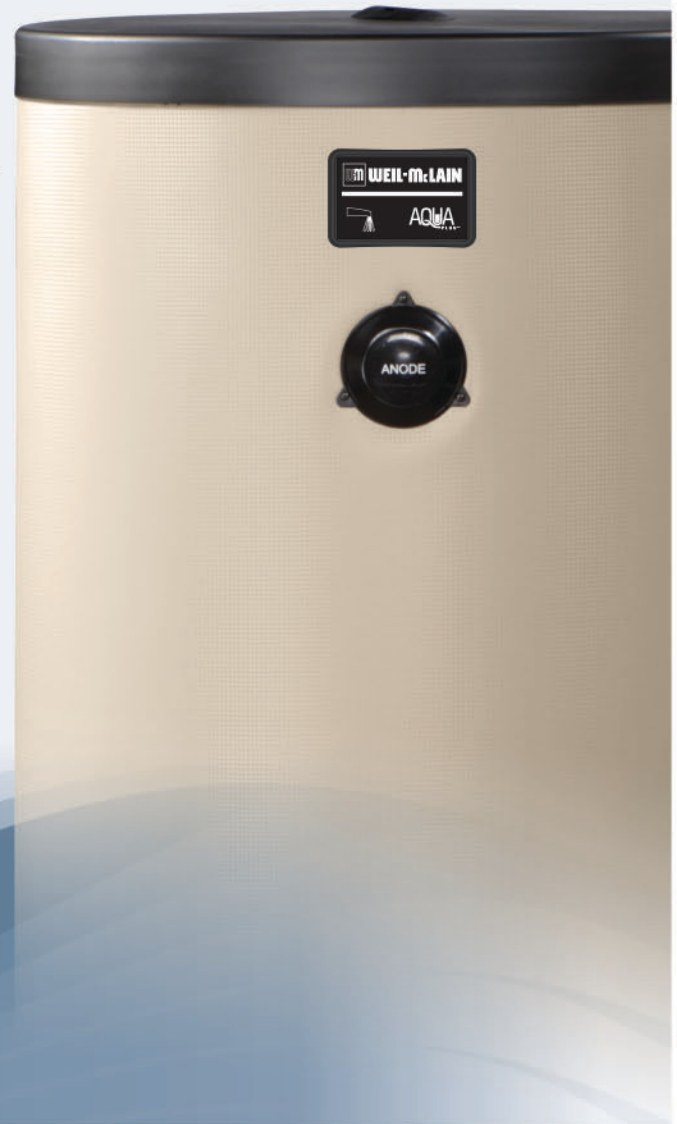
EXCEPTIONAL "R VALUE" WITH 2 INCHES OF DENSE FOAM INSULATION

- CFC-free and environmentally safe
- Low off cycle losses

ADJUSTABLE FEET FOR UNEVEN FLOORS

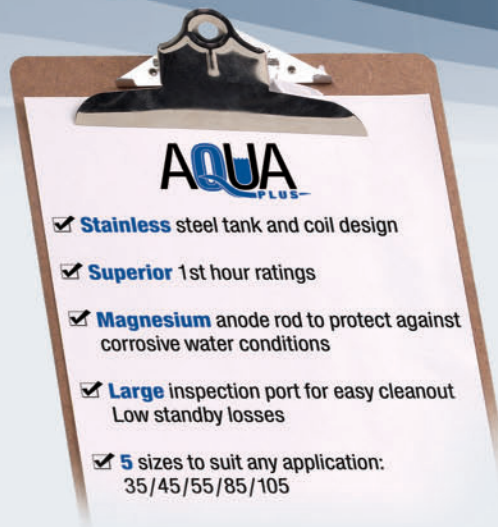
FAMILY OF PRODUCTS WITH 5 DIFFERENT SIZES TO CHOOSE FROM

Available in sizes:
35, 45, 55, 85, 105



 **WEIL-McLAIN**
www.weil-mclain.com

AQUA PLUS



Benefits of Indirect-Fired Water Heaters...

• Maximum Heat Exchanger Performance

- It is run as a zone to the boiler, reducing fuel consumption
- Tightly wound coil provides a faster recovery than direct fired water heaters
 - Typically lose only 0.5°F/hr
- Long warranties – up to limited lifetime
- No additional exhaust flues, or fuel piping to consider
- Boiler operates less frequently than with other water heating types resulting in higher efficiencies
- Delivers superior first hour GPM domestic hot water

• Design Benefits

- Compact size
- Easily fits into low ceiling basements or storage rooms without sacrificing height or performance
- Connections are on the side for a clean look
- Accent-colored grommets
- Dedicated tapping for recirculation systems, saving time and money
- Inspection and cleaning hatch
- 1" diameter 304 stainless steel coil for maximum performance and recovery
- Temperature and Pressure relief valve included as standard equipment



Domestic Water Outlet

Boiler Water Supply

**Recirculation
Water Inlet Tapping**

Boiler Water Return

Domestic Water Inlet

Benefits that conserve...

Low residual heat losses with 2 inches of dense foam insulation

- Standby losses as low as 0.4°F/hr
- No need for additional after-market insulation blanket
- CFC-free and environmentally safe



Benefits of AHRI...

Air-Conditioning, Heating, and Refrigeration Institute (AHRI) is a trade organization of over 300 HVACR manufacturers with 3 core missions:

- Advocate on behalf of all HVACR manufacturers at all levels of government
- **Maintain certification programs that offer unbiased evaluation of HVACR equipment**
- **Develop industry-recognized performance standards for industry equipment**



Benefits of AHRI Certification

- Unbiased evaluations of a product's performance
 - Products are independently tested and certified to meet the stated performance ratings
 - Test results are published on the AHRI website for side-by-side competitive comparison

Durability Benefits

- **Heavy-duty poly resin top and bottom covers resist cracks, abrasions, and dents that may occur during installation**
- **Multi-position leveling legs for quick installation on uneven floors**
- **Stylish, resilient woven vinyl outer jacket**
 - Rust and dent resistant
 - Commercial grade zipper allows for field replacement without tools

Longevity Benefits

- **Weil-McLain exclusive easily replaceable Magnesium anode**
 - Provides protection against corrosive water – replace the anode, not the tank
- **Extra-large inspection port**
 - Easy access for cleaning and inspection
 - No need to disconnect the tank from the system piping



Why Weil-McLain...

- Full product line to satisfy every application
- Every residential gas boiler is hydrostatically tested to ASME standards and test fired
- Backed by Weil-McLain quality and a warranty that provides peace of mind
- Unrivalled technical and field sales support
- Ranked the #1 brand preferred by US HVAC contractors in 2008
- Over a 130 year proud history, and North America's leading boiler manufacturer



The New Aqua Plus

 **WEIL-McLAIN**
www.weil-mclain.com



Ratings - (With 50°F domestic water inlet and stated other conditions)

Aqua Plus Model	200°F Boiler Water		
	Boiler Out MBH	115°F DHW GPH	140°F DHW GPH
35	170	337	223
45	190	363	243
55	210	443	302
85	300	551	374
105	350	715	483

Aqua Plus Model	190°F Boiler Water		
	Boiler Out MBH	115°F DHW GPH	140°F DHW GPH
35	170	311	202
45	170	335	222
55	190	411	278
85	250	511	343
105	350	662	442

Aqua Plus Model	180°F Boiler Water		
	Boiler Out MBH	115°F DHW GPH	140°F DHW GPH
35	150	284	181
45	150	307	200
55	190	378	252
85	250	470	310
105	300	608	400

Data

Aqua Plus Model

DHW Side Storage (gal.)
 Boiler Side Storage (gal.)
 Recommended Flow Rates (GPM)
 Head Loss-Boiler Side (ft.)
 Working Pressure (Tank) (psi)
 Working Pressure (Coil) (psi)
 DHW Operating Temp (°F)
 Approx. Shipping Weight (lbs)

35	45	55	85	105
29.6	39.9	53.1	80.6	109.4
1.6	1.9	2.2	2.5	3.5
8	8	8	14	14
2.0	3.3	1.6	5.4	7.1
150 (MAXIMUM)				
145 (MAXIMUM)				
160*			180	
94	111	122	223	238

*Optional 180°F thermostat available

Dimensions

Aqua Plus Model

DHW In/Out & Recirc
 Boiler Water In/Out
 A Dimension (in.)
 B Dimension (in.)
 C Dimension (in.)
 D Dimension (in.)
 E Dimension (in.)
 F Dimension (in.)
 G Dimension (in.)

35	45	55	85	105
3/4 in NPT			1 in NPT	
1 in NPT			1 in NPT*	
36 3/8	46 1/4	60	59 1/2	59 3/4
7 7/8	7 7/8	7 7/8	10 3/8	14 1/4
24	26	29 7/8	33 1/4	41 3/8
21 7/8	21 7/8	21 7/8	26	30
7 3/8	7 3/8	7 3/8	8 7/8	9 7/8
17 5/8	21 1/4	28 1/8	31 1/2	29 5/8
28	37 7/8	51 3/8	50 3/8	48 5/8

*1 1/4" piping required

Standard Equipment

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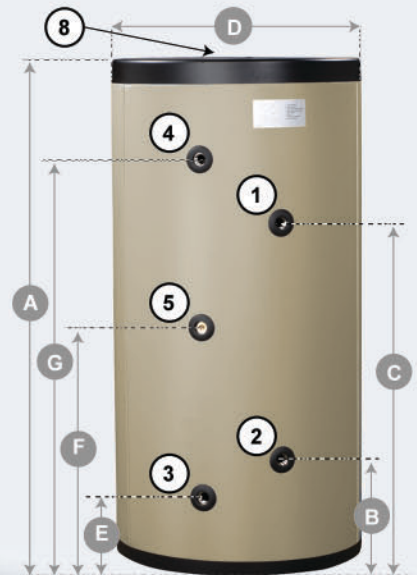
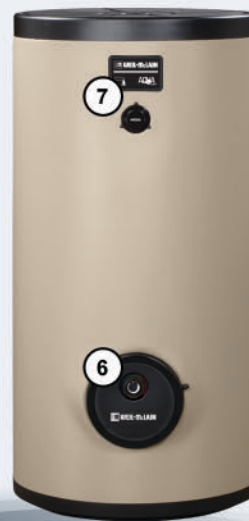
AHRI Certified®- The Trusted Mark of Performance Assurance
 Factory pressure tested
 316L welded stainless steel tank
 304 stainless steel coil over 1 inch in diameter
 Exclusive replaceable anode
 Dedicated recirculation tapping
 2"-thick CFC-free foam insulation
 Large inspection port for easy cleaning and service
 150 PSI T&P relief valve included
 Limited Lifetime warranty

Tank Sizes: 35, 45, 55, 85, 105



Key Features:

- Boiler water inlet
- Boiler water outlet
- Cold water inlet
- Hot water outlet
- Domestic water recirculation inlet
- Inspection hatch and cover with thermostat knob
- Magnesium anode rod
- T&P relief valve connection



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

