



INDIRECT-FIRED WATER HEATERS

Aqua Plus®

- 316L Stainless Steel Tank and Coil Design
- High Output Heat Exchanger
- Advanced Digital Control
- Fully Passivated and Welded Design—No Anode Rod Needed

- **Stainless** steel tank and coil design
- **Superior** 1st hour ratings
- **5** sizes to suit any application: 35/45/55/85/105 Gallons

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
- 1" diameter 316L stainless steel coil for maximum performance and recovery
- Temperature and pressure relief valve included as standard equipment

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



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 vinyl outer jacket – Rust and dent resistant



Benefits of Indirect-Fired Water Heaters

- Operates 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
- 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 gallons per minute domestic hot water



CONNECTIONS/ COMPONENTS:

- | | |
|--------------------------------|------------------------|
| 1. Digital thermostat | 4. Hot water outlet |
| 2. Thermostat probe | 5. Boiler water inlet |
| 3. T&P relief valve connection | 6. Boiler water outlet |
| | 7. Cold water inlet |



FEATURES:

- 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 316L stainless steel heat exchanger
 - Superior 1st hour rating and recovery
 - Large diameter heat exchanger allows for low pressure drop
- Fully passivated to protect against corrosive water conditions
- Temperature and pressure relief valve standard equipment
- Digital thermostat ensures precise accuracy for optimal performance
- Thermostat probe already installed for quick and easy wiring
- All connections located on the side of the tank for fast, neat and simple installation
 - All connections come with plastic grommets for cleaner inspection of tappings
- Exceptional "R" value with 2 inches of dense foam insulation
 - CFC free and environmentally safe
 - Low off cycle losses
- Adjustable feet for uneven floors

Why Weil-McLain

- Full product line to satisfy every application
- Backed by Weil-McLain quality and peace of mind warranty
- Unrivalled technical and field support
- Over a 135 year proud history, and North America's leading boiler manufacturer

SPECIFICATIONS

| RATINGS (WITH 50°F DOMESTIC WATER INLET AND STATED OTHER CONDITIONS) | | | | | | | | | |
|--|--------------------|---------------|---------------|--------------------|---------------|---------------|--------------------|---------------|---------------|
| Aqua Plus® Model | 200°F Boiler Water | | | 190°F Boiler Water | | | 180°F Boiler Water | | |
| | Boiler Out MBH | 115°F DHW GPH | 140°F DHW GPH | Boiler Out MBH | 115°F DHW GPH | 140°F DHW GPH | Boiler Out MBH | 115°F DHW GPH | 140°F DHW GPH |
| 35 | 170 | 337 | 223 | 170 | 311 | 202 | 150 | 284 | 181 |
| 45 | 190 | 363 | 243 | 170 | 335 | 222 | 150 | 307 | 200 |
| 55 | 210 | 443 | 302 | 190 | 411 | 278 | 190 | 378 | 252 |
| 85 | 300 | 551 | 374 | 250 | 511 | 343 | 250 | 470 | 310 |
| 105 | 350 | 715 | 483 | 350 | 662 | 442 | 300 | 608 | 400 |

DATA

| | 35 | 45 | 55 | 85 | 105 |
|-------------------------------|---------------------------------|------|------|------|-------|
| DHW Side Storage (gal.) | 29.7 | 39.9 | 54.1 | 81.6 | 110.9 |
| Boiler Side Storage (gal.) | 1.7 | 1.9 | 2.2 | 2.7 | 3.9 |
| Recommended Flow Rates (GPM) | 8 | 8 | 8 | 14 | 14 |
| Head Loss-Boiler Side (ft.) | 1.6 | 1.6 | 1.6 | 5.4 | 7.1 |
| Working Pressure (Tank) (psi) | 150 (maximum) | | | | |
| Working Pressure (Coil) (psi) | 145 (maximum) | | | | |
| DHW Operating Temp (°F) | 50°F-160°F, Adjustable to 180°F | | | | |
| Approx. Shipping Weight (lbs) | 94 | 111 | 122 | 223 | 238 |

DIMENSIONS

| Dimensions (inches) | | | | | |
|---------------------|----------|-----|-----|-----------|-----|
| | 35 | 45 | 55 | 85 | 105 |
| A | 36¾ | 46¼ | 60 | 59½ | 59¾ |
| B | 7⅞ | 7⅞ | 7⅞ | 10⅜ | 14¼ |
| C | 24 | 26 | 29⅞ | 33¼ | 41⅜ |
| D | 21⅞ | 21⅞ | 21⅞ | 26 | 30 |
| E | 7⅜ | 7⅜ | 7⅜ | 8⅞ | 9⅞ |
| F | 28 | 37⅞ | 51⅞ | 50⅜ | 48⅞ |
| DHW In/Out | ¾ in NPT | | | 1 in NPT | |
| Boiler Water In/Out | 1 in NPT | | | 1 in NPT* | |

*1¼ piping required



STANDARD EQUIPMENT:

- 316L welded stainless steel tank
- 316L stainless steel coil over 1 inch in diameter
- 2" thick CFC-free foam insulation
- 150 PSI T&P relief valve included
- Digital thermostat residential/commercial capable
- Poly resin top and bottom caps
- Leveling legs



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