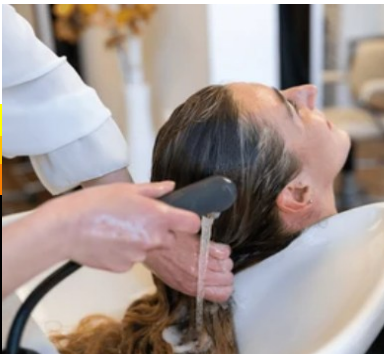




# AQUAFLOW™

## INDIRECT FIRED WATER HEATER

*Abundant hot water at the lowest possible operating cost*



POWERED BY



# VIDEIRA

EMBRACE THE HEAT

# Automated Precision Manufacturing

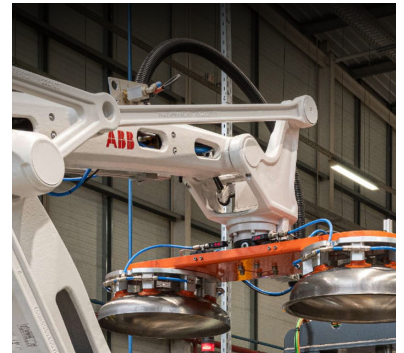
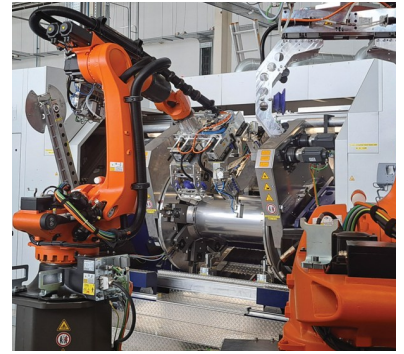
You've tried the rest? Now try the best!

AquaFlow's advanced manufacturing and energy-conscious design support the next generation of hydronic systems. Automated production, responsible material use, and ongoing R&D help improve efficiency and reduce waste.

In-house testing ensures each product works smoothly with renewable and alternative energy sources. Contractors benefit from durable, future-ready equipment that installs cleanly and supports long-term system performance.

## Interior

1. Hot Water Outlet
2. Cold Water Inlet
3. 444 SS Construction
4. 2" High Density Rigid Polyurethane Foam
5. Stainless Steel 316L Heat Exchanger Coil
6. T & P Relief Valve - F (*Not included*)
7. Powder Coated Metal Exterior
8. Boiler Supply
9. Temperature Sensor - F
10. Boiler Return
11. Drain Valve Connection - F
12. Dedicated Recirculation Connection - F (*not shown*)





# AQUAFLOW™

## Indirect Fired Water Heater

**30G • 40G • 50G • 65G • 80G • 119G**

**80 MAX • 119 MAX • 119 POWER MAX**

### Superior Quality and Material

- ✓ Stainless steel construction. AISI 444 SS Tank, 316L Heat Exchanger Coil
- ✓ All butt-welded construction for maximum structural integrity
- ✓ Automatic Lazer-TIG hybrid welding process
- ✓ Fully pickled and passivated internally and externally
- ✓ No sacrificial anodes required, reducing lifetime maintenance
- ✓ Dedicated recirculation connection
- ✓ 2" Thick rigid polyurethane foam insulation with a standby heat loss of less than half a degree per hour
- ✓ In-house manufactured rigid SS tubing for heat exchangers
- ✓ Designed for alternative energy sources: boilers, solar, and heat-recovery systems
- ✓ Built for quality, performance, and long service life
- ✓ Residential lifetime warranty

## Construction & Performance

The AquaFlow™ Tanks reflect more than **forty years** of focused engineering and stainless-steel manufacturing expertise. High-grade materials, Lazer-TIG hybrid, and full internal and external pickling and passivation give each tank exceptional corrosion resistance and long-term strength.

Production is tightly controlled, and **every unit is fully tested** before it leaves the facility ensuring that installers get a dependable, efficient indirect cylinder built to deliver long-term performance customers can trust.

## PERFORMANCE DATA\*

TANK CAPACITY—USG  
MAX. FIRST HR RATING@ 135°F—GAL/HR  
CONTINUOUS RATING @ 135°F—GAL/HR  
BOILER OUTPUT REQUIRED—BTU/HR  
BOILER FLOW RATE—GPM  
COIL PRESSURE DROP—FT HD  
COIL TRANSFER AREA—SQ FT

| AF-30   | AF-40   | AF-50   | AF-65   | AF 80   | AF-119  | AF-80<br>MAX | AF-119<br>MAX | AF-119<br>POWER |
|---------|---------|---------|---------|---------|---------|--------------|---------------|-----------------|
| 26      | 38.3    | 51      | 63.9    | 77.4    | 113     | 75           | 119           | 119             |
| 177     | 216     | 259     | 330     | 380     | 474     | 721          | 755           | 1,110           |
| 156     | 187     | 218     | 280     | 311     | 373     | 655          | 655           | 1,014           |
| 100,000 | 120,000 | 140,000 | 180,000 | 200,000 | 240,000 | 420,000      | 420,000       | 650,000         |
| 10      | 14      | 14      | 14      | 14      | 14      | 25           | 25            | 40              |
| 5.2     | 6.2     | 7       | 7.5     | 10.1    | 11.8    | 16.7         | 16.7          | 25              |
| 6.7     | 8.1     | 10.2    | 11.4    | 13.4    | 18.3    | 27.4         | 27.4          | 38              |

\*Based on 180°F boiler supply & 58°F entering cold water. Max operating pressure of 150 psi

## PIPING CONNECTIONS

CONNECTION LOCATION  
DOMESTIC WATER IN—NPT M  
DOMESTIC HOT WATER OUT—NPT M  
RECIRCULATION CONNECTION  
BOILER SUPPLY—NPT M  
BOILER RETURN—NPT M  
DRAIN VALVE —NPT F  
RELIEF VALVE—NPT F

| Top  | Top  | Top  | Top  | Side | Side   | Side   | Side   | Side   |
|------|------|------|------|------|--------|--------|--------|--------|
| 3/4" | 3/4" | 3/4" | 3/4" | 1"   | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| 3/4" | 3/4" | 3/4" | 3/4" | 1"   | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| 3/4" | 3/4" | 3/4" | 3/4" | 1"   | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| 1"   | 1"   | 1"   | 1"   | 1"   | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| 1"   | 1"   | 1"   | 1"   | 1"   | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2"   | 1/2"   | 1/2"   | 1/2"   |
| 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 1"     | 1"     | 1"     | 1"     |

## DIMENSIONS & WEIGHT

TANK HEIGHT—INCHES  
TANK DIAMETER—INCHES  
TANK WEIGHT—LBS  
BOX HEIGHT—INCHES  
BOX WIDTH—INCHES  
BOX DEPT—INCHES  
SHIP WEIGHT—LBS

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 36   | 45.2 | 57   | 54.5 | 64.5 | 65.7 | 64.5 | 65.7 | 65.7 |
| 22   | 22   | 22   | 24.5 | 24.5 | 28   | 24.5 | 28   | 28   |
| 88   | 100  | 127  | 145  | 166  | 230  | 188  | 246  | 266  |
| 43   | 52.4 | 64.2 | 61.5 | 71   | 73.2 | 71   | 73.2 | 73.2 |
| 22.5 | 22.5 | 22.5 | 25.5 | 25.5 | 30.7 | 25.5 | 30.7 | 30.7 |
| 25   | 25   | 25   | 29   | 29   | 35.5 | 29   | 35.5 | 35.5 |
| 100  | 120  | 147  | 170  | 193  | 275  | 201  | 290  | 310  |

AventusHydronics.com

