



Indirect Fired Water Heater

Introducing the Aveiro Indirect Fired Water Heater, a game changer in high-efficiency water heating solutions.

The Aveiro is constructed from premium AISI 444 stainless steel with a 316L stainless steel coil. This robust system is engineered for durability and rapid recovery rates.

Residential Sizes: AV-40, AV-50, AV-65, AV-80, AV 119

High Output Model: AV-119 Max, AV-119 Power Max

Key Features:

- ♦ **High-Efficiency Heating:** Leverages existing boiler heat for optimal energy utilization.
- ♦ **Precision Welding:** All welds are butt welded using TIG (GTAW) technology for long-lasting durability.
- ♦ **Maintenance-Free:** No sacrificial anodes needed, streamlining maintenance for contractors.
- ♦ **Enhanced Insulation:** 2" polyurethane foam insulation minimizes heat loss. The standby heat loss is half a degree F per hour.
- ♦ **Flexible Compatibility:** Designed to integrate seamlessly with alternative energy sources, including solar and heat pumps.
- ♦ **Assured Quality:** Backed by our extensive industry experience, providing reliability and longevity.
- ♦ **Warranty:** Residential limited lifetime warranty. Commercial 6 years.



Performance
Superior Quality
Long Life

Discover how the Aveiro can elevate your installations and enhance the comfort of your clients with exceptional efficiency and performance.



1. HOT WATER OUTLET
2. COLD WATER OUTLET
3. RELIEF VALVE *(by others)*
4. 2" POLYURETHANE INSULATION
5. BOILER SUPPLY
6. STAINLESS STEEL COIL
7. 10K TEMPERATURE SENSOR *(included)*
8. BOILER RETURN
9. DRAIN VALVE *(by others)*
10. DEDICATED RECIRCULATION CONNECTION *(not shown)*



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—GPM
 COIL PRESSURE DROP—FT HD
 COIL TRANSFER AREA—SQ FT

AV-40	AV-50	AV-65	AV-80	AV-119	AV-119 MAX	AV-119 PM
38.3	51	63.9	77.4	113	119	119
216	259	330	380	474	755	1,110
187	218	280	311	373	655	1014
120,000	140,000	180,000	200,000	240,000	420,000	650,000
14	14	14	14	14	25	40
6.2	7	7.5	10.1	11.8	16.7	25
8.1	10.2	11.4	13.4	18.3	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 WATER OUT—NPT M
 RECIRCULATION CONNECTION
 BOILER SUPPLY—NPT M
 BOILER RETURN—NPT M
 DRAIN VALVE —NPT M
 RELIEF VALVE—NPT F

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

45 1/4	57	54 1/2	64 1/2	65.7	65 3/4	65 3/4
22	22	24 1/2	24 1/2	28	28	28
100	127	145	166	230	246	266
52.4	64.2	61.5	71	73.2	73.2	73.2
22.5	22.5	25.5	25.5	30.7	30.7	30.7
25	25	29	29	35.5	35.5	35.5
120	147	170	193	275	290	310

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