



# PREMIER™

Commerical Hot Water Makers®



Efficiency at its Best™



# Commercial Hot Water Makers®

Amtrol Premier™ Indirect-Fired water heaters are perfect for larger homes and commercial applications. High output heat exchangers and increased storage capacity supply efficient, reliable hot water to meet the toughest demands. All Premier Hot Water Makers® are Made in the USA in our ISO 9001:2008 registered facilities.

## Features

### High Output for Increased Demands

- Steady-state heat transfer up to 400,000 BTUH.
- Multiple pass heat exchanger minimizes pressure drop.
- Domestic supply temperatures up to 180°F.

### Durable Construction

- High grade stainless tank or high-temp poly bottle.
- Heat exchanger coating resists scale buildup.
- Removable heat exchangers for easy service.
- All controls rated for 24 or 120VAC up to 15A.

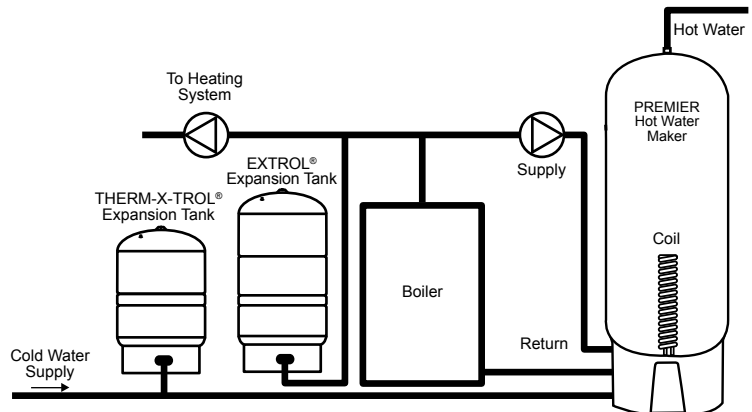
### Flexible Model Options

- Sizes from 41 to 119 gallons to fit any installation.
- Mechanical dial aquastat for simple, 2-wire hookup.
- Digital Control offers built-in relays and diagnostics.
- Double-Wall heat exchanger coil meets stringent codes.

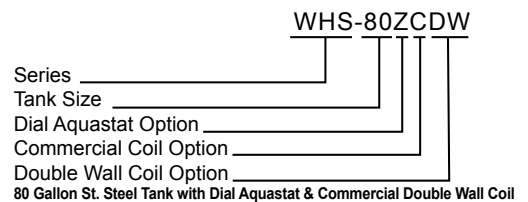
### Convenient Accessories

- All models include common installation components.
  - Factory-supplied temperature control and dry well.
  - Temperature & Pressure (T&P) relief valve.
  - Bottom drain valve with hose connection.

## Typical Installation



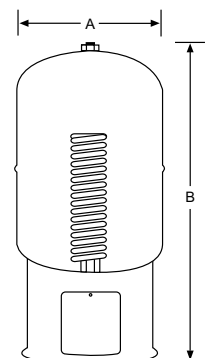
## How to Order: Specify Series & Options



## WH Series

### High Temp Poly Bottle with Single Coil

- Good choice for larger homes and apartments.
- Compact size to fit small spaces.
- Corrosion-proof Bi-modal HDPE Bottle rated to 180°F.
- Factory Warranty: 6 years.



## WH Series Specifications

Model Number	Tank Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	Cold Water Inlet-NPTM (Inches)	Hot Water Outlet-NPTF (Inches)	Boiler Supply/Return (Inches)	Shipping Weight (lbs.)
WH-7C	41	22	48	3/4	3/4	3/4 NPTM	144
WH-7CDW	41	22	48	3/4	3/4	3/4 Sweat	154

# Model Specifications & Options



Dial  
Aquastat

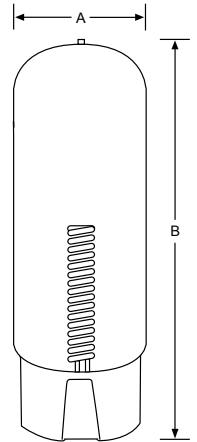


Digital  
Control



## WHS Series Stainless Steel with Single Coil

- Increased capacity for large homes and commercial applications.
- Durable, high grade 316-L stainless steel tank.
- Thick, urethane insulation with heat loss under 1/2°F per hour.
- Tough, rotomolded poly jacket resists dents and scratches.
- Removable heat exchanger coil for easy cleaning.
- Plumb multiple units in tandem for increased output.
- Factory warranty: 10 years (WHS Series); 5 years (WHS-ZC Series).

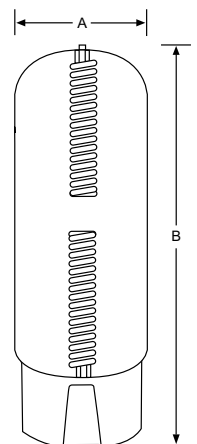


### WHS Series Specifications

Model Number	Tank Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	Cold Water Inlet-NPTM (Inches)	Hot Water Outlet-NPTF (Inches)	Boiler Supply/Return (Inches)	Shipping Weight (lbs.)
WHS-60	60	26	54	1	1	¾ NPTM	160
WHS-60DW	60	26	54	1	1	¾ Sweat	170
WHS-60C	60	26	54	1	1	1 NPTM	170
WHS-60CDW	60	26	54	1	1	1 Sweat	180
WHS-80	80	26	66	1	1	¾ NPTM	170
WHS-80DW	80	26	66	1	1	¾ Sweat	180
WHS-80C	80	26	66	1	1	1 NPTM	180
WHS-80CDW	80	26	66	1	1	1 Sweat	190
WHS-120	119	30	71	1	1	¾ NPTM	200
WHS-120DW	119	30	71	1	1	¾ Sweat	210
WHS-120C	119	30	71	1	1	1 NPTM	210
WHS-120CDW	119	30	71	1	1	1 Sweat	220

## DC Series Stainless Steel with Dual Coils

- Twin heat exchanger coils for maximum recovery.
- Up to 688 gallons per hour continuous flow.
- ASME-exempt design offers commercial performance at less cost.
- Coils may be piped separately for dual energy sources:
  - Wood boilers
  - Solar thermal input
  - Radiant heat and snowmelt
- Factory warranty: 10 years.



### DC Series Specifications

Model Number	Tank Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	Cold Water Inlet-NPTM (Inches)	Hot Water Outlet-NPTF (Inches)	Boiler Supply/Return (Inches)	Shipping Weight (lbs.)
DC-80	80	26	66	¾	¾	¾ NPTM	190
DC-80DW	80	26	66	¾	¾	¾ Sweat	200
DC-120	119	30	71	¾	¾	¾ NPTM	220
DC-120DW	119	30	71	¾	¾	¾ Sweat	230



# Sizing Guide

## Hot Water Performance

	Boiler Output (BTUH)	WH-7C		WHS-60		WHS-80		WHS-120		Boiler Output (BTUH)	DC-80		DC-120	
		First Hour	Continuous Flow	First Hour	Continuous Flow	First Hour	Continuous Flow	First Hour	Continuous Flow		First Hour	Continuous Flow	First Hour	Continuous Flow
Standard Single Coil	80,000	144	138	161	138	179	138	214	138	200,000	340	344	375	344
	100,000	171	172	188	172	206	172	241	172	220,000	367	379	402	379
	120,000	198	207	215	207	233	207	268	207	240,000	393	413	428	413
	140,000	224	241	241	241	259	241	294	241	260,000	420	448	455	448
Commercial Single Coil	160,000	251	275	268	275	286	275	321	275	280,000	447	482	482	482
	180,000	278	310	295	310	313	310	348	310	300,000	474	516	509	516
	200,000	305	344	322	344	340	344	375	344	320,000	500	551	535	551
	220,000	332	379	349	379	367	379	402	379	340,000	527	585	562	585
	240,000	358	413	375	413	393	413	428	413	360,000	554	620	589	620
	260,000	385	448	402	448	420	448	455	448	380,000	581	654	616	654
	280,000	412	482	429	482	447	482	482	482	400,000	607	688	642	688

First-Hour Rating: Gallons at 90°F temperature rise. Continuous Flow: Gallons/Hr at 70°F temperature rise.

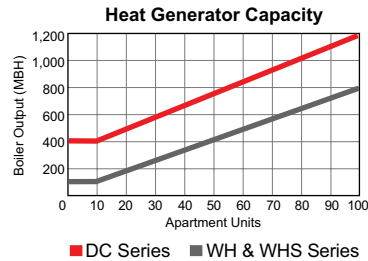
## Residential Sizing

Boiler BTU Rating	Number of People in Home						
	2	3	4	5	6	7	8
60,000							
80,000							
100,000							
120,000							
140,000							



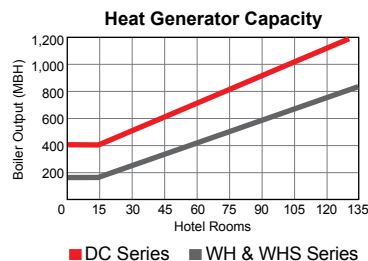
## Apartment Sizing

Apartment Units	Number of Premier™ Hot Water Makers®					
	WH-7C	WHS-60ZC	WHS-80ZC	WHS-120ZC	DC-80	DC-120
1-2	1	1	1	1	1	1
3-5	2	1	1	1	1	1
6-25	3	2	2	2	2	1
26-50	4	3	3	2	2	2
51-75	5	4	3	3	3	2
76-100	6	5	4	4	3	3



## Hotel Sizing

Hotel Rooms	Number of Premier™ Hot Water Makers®					
	WH-7C	WHS-60ZC	WHS-80ZC	WHS-120ZC	DC-80	DC-120
1-5	1	1	1	1	1	1
6-25	2	1	1	1	1	1
26-50	3	2	2	2	2	2
51-75	4	3	3	2	2	2
76-100	5	4	3	3	3	2
100-135	6	5	4	4	3	3



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