

For Use with Forced Air Systems or Hot Water Systems

Sheltered



See Your Local
Aqua-Therm
Dealer for
Color Options!

REDUCED
EMISSIONS

Eco-One

Sheltered Standard Equipment:

- Ash Auger
- 409 Stainless Steel Inner Firebox
- Double-wall Stainless Steel Chimney
- Insulated Blanket
- Safety Disconnect Switch with Breaker
- Draft Fan with Automatic Shutter Damper
- Boiler Drains
- Pressure & Temperature Relief Valves
- Pressure & Temperature Gauge
- Immersion Aquastat
- Circulating Pump
- Isolation Pump Flanges
- Expansion Tank
- Auto Air Vent & Air Scoop
- Loading Light
- Limited Lifetime Warranty*
- Standard on Forced Air Models Only:
 - 110V Thermostat Relay
 - Forced Air Heat Exchanger

NOTE: Open system parts will vary.

Unsheltered



UL US LISTED

U.L. Listed Models
Available in
Open System.

REDUCED
EMISSIONS

Eco-One

Unsheltered Standard Equipment:

- Ash Auger
- 409 Stainless Steel Inner Firebox
- Insulated Blanket
- Wiring Harness
- Draft Fan with Automatic Shutter Damper
- Boiler Drains
- Pressure & Temperature Relief Valves
- Pressure & Temperature Gauge
- Immersion Aquastat
- Circulating Pump
- Isolation Pump Flanges
- Expansion Tank
- Auto Air Vent & Air Scoop
- Limited Lifetime Warranty*
- Standard on Forced Air Models Only:
 - 110V Thermostat Relay
 - Forced Air Heat Exchanger

NOTE: Open system parts will vary.

- **Large Round Firebox** = Save sawing and splitting time!
- **Easy to Install** = Connects to existing heating system!
- **Three Sizes Available** = To meet most heating needs!

Sheltered Info:

Unsheltered Info:

Sheltered Specifications

Model	S-145	S-275	S-345
Ht. (to peak of roof)	67"	67"	67"
Length w/fan	72"	72"	84"
Width	48"	48"	48"
Fire Chamber (L)	42"	42"	55 1/2"
Fire Chamber Dia.	25"	32 1/2"	32 1/2"
Door Opening	16" x 20"	19 1/2" x 25"	19 1/2" x 25"
Water Capacity	48 gal.	59 gal.	76 gal.
Flue Size	6"	6"	6"
Weight	1080 lbs.	1350 lbs.	1590 lbs.

Unsheltered Specifications

Model	145	275	345
Height	46"	57 1/2"	57 1/2"
Length w/fan	58"	58"	73"
Width	30"	38 1/2"	38 1/2"
Fire Chamber (L)	42"	42"	55 1/2"
Fire Chamber Dia.	25"	32 1/2"	32 1/2"
Door Opening	16" x 20"	19 1/2" x 25"	19 1/2" x 25"
Water Capacity	48 gal.	59 gal.	76 gal.
Flue Size	6"	6"	6"
Weight	630 lbs.	900 lbs.	1050 lbs.

Eco-One



Eco-One Sheltered Specifications

Model	eS-145	eS-275	eS-345
Ht. (to peak of roof)	67"	67"	67"
Length w/fan	82"	82"	94"
Width	48"	48"	48"
Fire Chamber (L)	42"	42"	55 1/2"
Fire Chamber Dia.	25"	32 1/2"	32 1/2"
Door Opening	16" x 20"	19 1/2" x 25"	19 1/2" x 25"
Water Capacity	48 gal.	59 gal.	76 gal.
Flue Size	6"	6"	6"
Weight	1100 lbs.	1370 lbs.	1610 lbs.

Eco-One



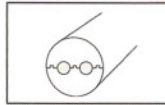
Eco-One Unsheltered Specifications

Model	e145	e275	e345
Height	46"	57 1/2"	57 1/2"
Length w/fan	68"	68"	83"
Width	30"	38 1/2"	38 1/2"
Fire Chamber (L)	42"	42"	55 1/2"
Fire Chamber Dia.	25"	32 1/2"	32 1/2"
Door Opening	16" x 20"	19 1/2" x 25"	19 1/2" x 25"
Water Capacity	48 gal.	59 gal.	76 gal.
Flue Size	6"	6"	6"
Weight	650 lbs.	920 lbs.	1070 lbs.

Optional Accessories

- Domestic Water Heating Package
- Smoke Exhaust System (*unsheltered units only*)
- Electric Boilers for Secondary Heat Source available.
- 1/2" Aqua-Therm Composite Tubing for Radiant Floor Heating
- 1" I.D. Aqua-Therm Composite Tubing
- Preformed Pipe Insulation
- Compression Fittings for 1" tubing
- Boiler Anti-Freeze
- Ball Valves for System Isolation

Preformed Pipe Insulation



Thermal Value: R7
Dimensions:
5 5/8" dia. x 48"

Aqua-Therm's round insulation, also a Type II polystyrene foam, is best for heavy soil or areas where ground water may be a problem.

This insulation is designed to fit inside a 6" thin-walled sewer pipe, which is readily available at most home building stores.

Energy Transfer Pipe

Flexsul-Seal
Energy Transfer Pipe



Flexsul-Seal Advantages

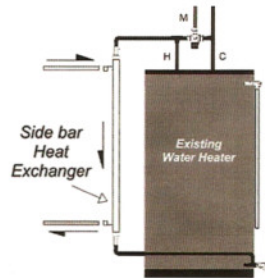
- Lightweight - Easier Handling
- High Flexibility
- 5" I.D. - Increased Insulation Protection

Domestic Hot Water

Attached to an existing water heater, this double-wall heat exchanger provides hot water for household use:

Advantages are:

- Boiler water never mixes with domestic water.
- No need to run an extra set of pipes between the boiler and the house.
- Can be used year-round.



Pex-Al-Pex Tubing

Eco-One cross linked polyethylene (Pex-Al-Pex®) tubing has an aluminum oxygen barrier, making it an excellent product to use as supply and return lines to the wood boiler. The tubing also performs very well in a hydronic radiant floor heating system.

Advantages are:

- The aluminum allows for easy bending and will retain the desired shape.
- High temperature and pressure rating.
- 100% oxygen barrier=longer life for pumps and heating components.
- Minimal heat expansion
- No special tools required for brass compression fittings.



AQUA-THERM WOOD BURNING APPLIANCE QUOTE

Model: _____ \$ _____

Optional Accessories:

_____ \$ _____

_____ \$ _____

_____ \$ _____

_____ \$ _____

_____ \$ _____

Delivery Costs: \$ _____

Sub-Total: \$ _____

Tax: \$ _____

Total: \$ _____

Call for design assistance and system pricing.

Financing Available at Participating U.S. Dealers

Your Authorized Dealer:

Aqua-Therm
PO Box 250
Spicer, MN 56288
1-800-325-2760
Fax: (320)-354-3275