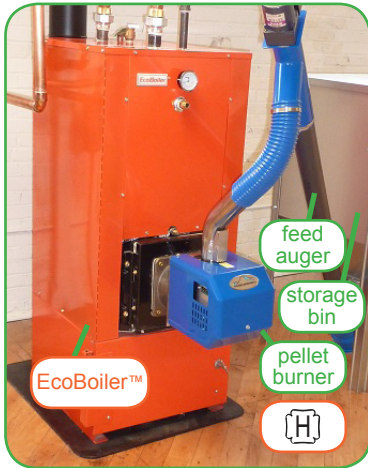
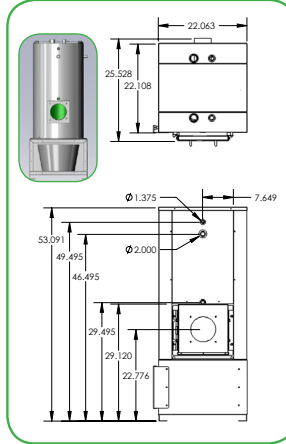


EcoBoiler™ Pellet Boilers

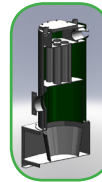


EcoBoiler™
wood pellet boilers

EcoBoilers are American-made boilers designed specifically for wood pellet central heating. These ASME-certified boilers are engineered to pair with the Swebo pellet burner to provide the comfort of zoned whole house heating, plus heat for domestic hot water.



Typically tied in with a pre-existing boiler or hot-air furnace, homeowners gain the flexibility and security an automatic primary/back-up dual heat source system.



Vertical fire-tubes make routine brushing out easy. A large ash bin is emptied every 1-2 tons of pellet consumption. The 16 gal. water capacity helps make long cycle times possible.

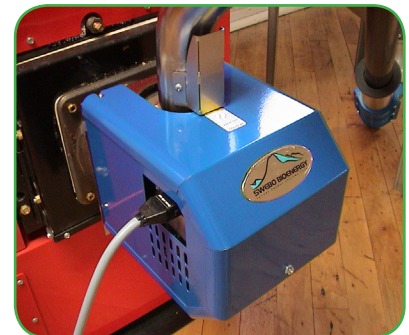
Suitable for hot water, forced hot air, and hydro-air systems, you get the comfort of central heat without the high fuel costs.

Swebo Pellet Burners

These Swedish-made burners are ruggedly built with thick stainless steel and precision weldings. Swebo burners connect with a PLC loaded with advanced software that supports precise control over all phases of operation: ignition, pre-operation, normal operation, and cool down.

Swebo burners feature fully automatic ignition and modulating combustion to provide efficient operation and long cycle times.

Because the burner feeds from above, there's never an issue with burn-back.



Pellet Storage, Augers, & Chutes



1,000-lb capacity
39" x 39" x 56"

We supply 400-lb capacity bins with optional 300-lb capacity extensions, and 1,000-lb capacity bins suitable for loading by bag. We also supply 3.5 ton capacity tapered "Flexi-Bulk" static-dissipating fabric silos suitable for bulk deliveries, and simple flat-bottomed bulk-fillable bags that are a low-cost way to get bulk-delivered pellets.

Augers carry pellets from the storage unit to the burner. We carry various lengths and custom make augers to fit unusual requirements.

Pellet loading chutes are a convenient way to load pellets into bins, directly from outside.



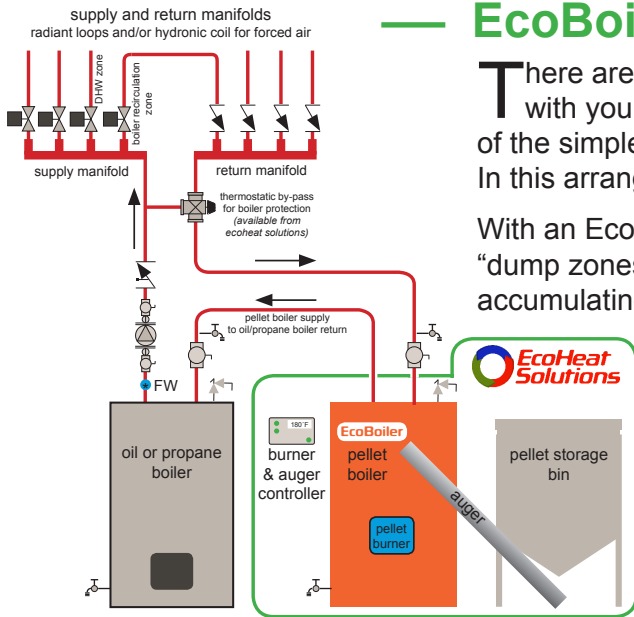
400-lb capacity
26" x 26" x 48"



"Appealing to hearts and minds."

© EcoHeat Solutions LLC

— EcoBoiler™ with Oil/Propane Boiler —



There are many possible ways for an EcoBoiler™ to be tied in with your heating system. The schematic on the left shows one of the simpler methods of connecting with a pre-existing boiler. In this arrangement, the EcoBoiler is connected “in series”.

With an EcoBoiler there is no need for add-on buffer storage, “dump zones”, nor daily pellet loading, and there is no pellet dust accumulating in your living space such as is the case with stoves.

Note: This schematic does not show

- low-water cut-off & high limit safety switch
- indirect hot water tank
- controls
- chimney/venting
- system water feed and expansion tank
- air release valve on EcoBoiler (not included)

If individual zone circulators are used instead of zone valves, a hydraulic separator should be placed between the bypass and the manifolds

— Cost savings: Wood pellets vs. oil & propane —

Premium Wood Pellets

\$/ton

		\$180	\$190	\$200	\$210	\$220	\$230	\$240	\$250	\$260	\$270	\$280	
#2 Heating Oil	\$/Gallon	\$3.250	-52%	-50%	-47%	-44%	-42%	-39%	-36%	-34%	-31%	-28%	-26%
	\$3.375	-54%	-51%	-49%	-46%	-44%	-41%	-39%	-36%	-34%	-31%	-28%	
	\$3.500	-56%	-53%	-51%	-48%	-46%	-43%	-41%	-38%	-36%	-33%	-31%	
	\$3.625	-57%	-55%	-52%	-50%	-48%	-45%	-43%	-41%	-38%	-36%	-33%	
	\$3.750	-59%	-56%	-54%	-52%	-49%	-47%	-45%	-43%	-40%	-38%	-36%	
	\$3.875	-60%	-58%	-56%	-53%	-51%	-49%	-47%	-44%	-42%	-40%	-38%	
	\$4.000	-61%	-59%	-57%	-55%	-53%	-50%	-48%	-46%	-44%	-42%	-40%	
	\$4.125	-62%	-60%	-58%	-56%	-54%	-52%	-50%	-48%	-46%	-44%	-41%	
	\$4.250	-63%	-61%	-59%	-57%	-55%	-53%	-51%	-49%	-47%	-45%	-43%	
	\$4.375	-65%	-63%	-61%	-59%	-57%	-55%	-53%	-51%	-49%	-47%	-45%	
\$4.500	-66%	-64%	-62%	-60%	-58%	-56%	-54%	-52%	-50%	-48%	-46%		
Propane	\$/Gallon	\$2.500	-59%	-56%	-54%	-52%	-49%	-47%	-45%	-43%	-40%	-38%	-36%
	\$2.625	-61%	-58%	-56%	-54%	-52%	-50%	-47%	-45%	-43%	-41%	-39%	
	\$2.750	-62%	-60%	-58%	-56%	-54%	-52%	-50%	-48%	-46%	-44%	-41%	
	\$2.875	-64%	-62%	-60%	-58%	-56%	-54%	-52%	-50%	-48%	-46%	-44%	
	\$3.000	-66%	-64%	-62%	-60%	-58%	-56%	-54%	-52%	-50%	-48%	-46%	
	\$3.125	-67%	-65%	-63%	-61%	-60%	-58%	-56%	-54%	-52%	-50%	-49%	
	\$3.250	-68%	-66%	-65%	-63%	-61%	-59%	-58%	-56%	-54%	-52%	-50%	
	\$3.375	-69%	-68%	-66%	-64%	-63%	-61%	-59%	-57%	-56%	-54%	-52%	
	\$3.500	-70%	-69%	-67%	-66%	-64%	-62%	-61%	-59%	-57%	-56%	-54%	
	\$3.625	-71%	-70%	-68%	-67%	-65%	-64%	-62%	-60%	-59%	-57%	-56%	
\$3.750	-72%	-71%	-69%	-68%	-66%	-65%	-63%	-62%	-60%	-59%	-57%		

Legend

Pellet savings: 60% + 50-59% 40-49% 1-39%

Figures show approximate percentage savings in fuel costs if current fuel is replaced by pellets.

Assumptions; #2 heating oil = 138,000 BTU/gallon, Propane = 91,500 BTU/gallon, Premium wood pellets = 8,000 BTU/pound.

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Our Mission

EcoHeat Solutions' mission is to continually earn a high level of customer satisfaction for our wood pellet fueled heating solutions, and to maintain the beneficial economic and environmental effects in the communities we serve. We will achieve this, in part, by ensuring that every customer gets a heating solution that provides comfort, immediate fuel cost savings, and significant long-term value.