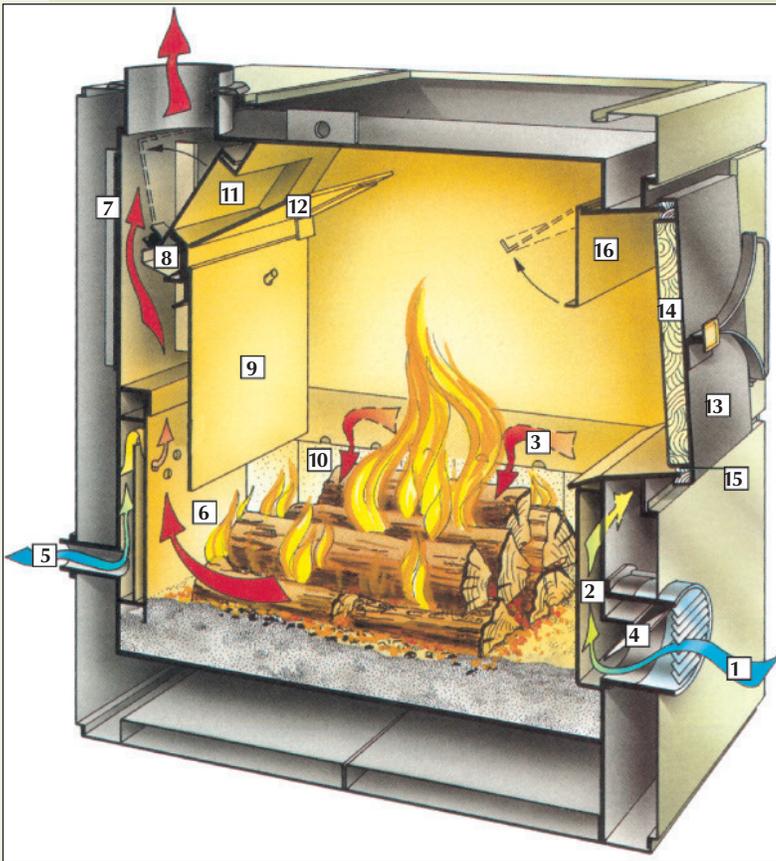
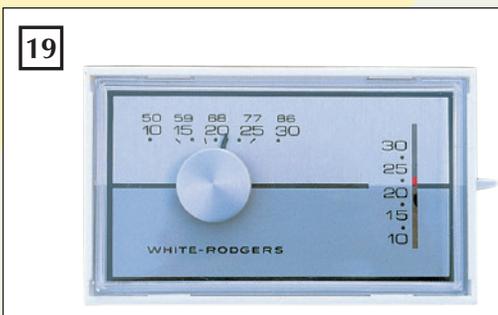
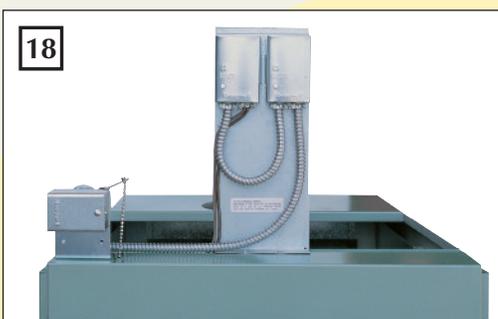


How a Heater or Furnace Manufactured by Ardent Energy Works



- 1 Primary air burns your wood only when you need heat.
- 2 Primary air heat exchanger preheats cold oxygen for good combustion.
- 3 Cross draft angle measures primary air to the fuel at the right place.
- 4 Butterfly damper for precise primary air control.
- 5 Secondary air provides oxygen for burning gases **behind** the wood.
- 6 Secondary air heat exchanger assures that secondary air is as hot as possible.
- 7 Heat exchange fins direct heat into your room before it goes up the chimney.
- 8 Stainless steel flame deflector channels flames into heat exchange fins.
- 9 Downdraft baffle pushes smoke through the hot coal for more complete combustion and less creosote.
- 10 Firebrick protects your unit and keeps coals burning.
- 11 Bypass damper allows quick warm-up and eliminates smoke out of an open door.
- 12 Scandinavian baffle gives an efficient high burn rate when bypass is open.
- 13 Self-aligning centre-push door for a tight seal whether hot or cold.
- 14 Door insulation protects door from distortion
- 15 High quality door gasket for virtually a maintenance free seal.
- 16 Smoke shield.



Accessories

- 17 Optional water coil replaces firebrick (10).
- 18 Thermostat control kit can be wired to any existing furnace
- 19 A wall thermostat provides precise heat control
- 20 Shovel and poker provided – standard on all models (not shown)
- 21 Circulating blower available for all models (not shown)