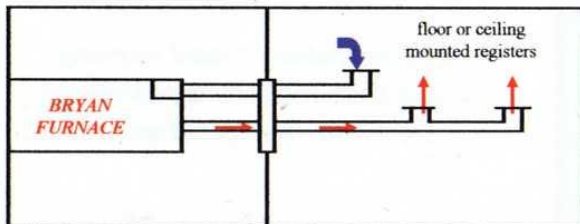
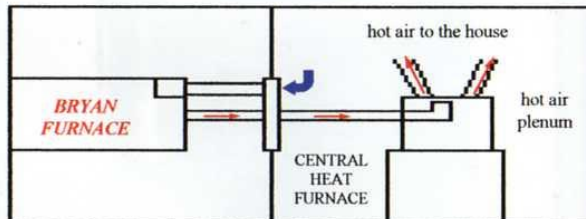


## TYPICAL INSTALLATIONS



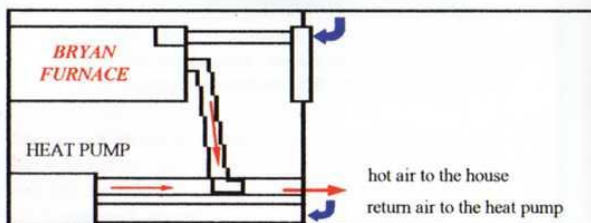
### SEPARATE DUCT SYSTEM

Hot air from the *Bryan Furnace*s ducted to different parts of the building via metal lined ducts.



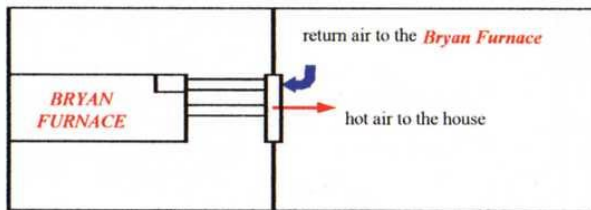
### CENTRAL HEAT CONNECTION

Hot air from the *Bryan Furnace*s ducted into the hot air plenum of the central heat furnace. The central heat fan may have to be run to help distribute the heat.



### HEAT PUMP CONNECTION

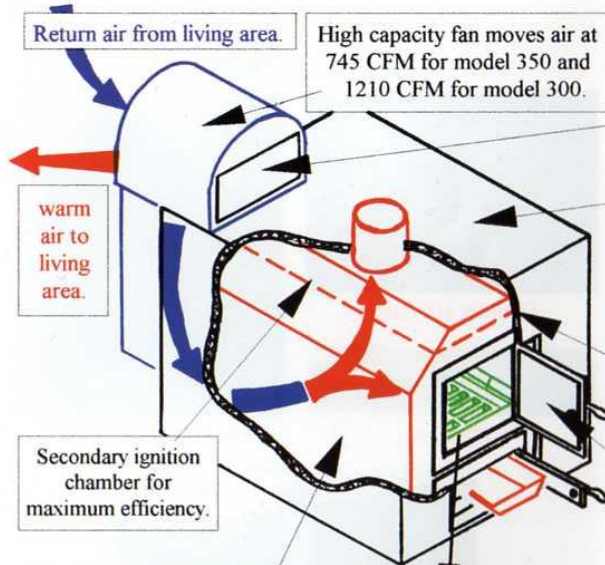
Hot air from the *Bryan Furnace*s ducted into the hot air duct from the heat pump. The heat pump blower may have to be run to help distribute the heat.



### OPTIONAL WINDOW OR WALL INSTALLATION

Quickest and least expensive — suitable for most situations.

Many variations of these basic installations are possible. The hot air duct can be divided to go into more than one room, or the return air duct can be attached to a different part of the house to increase circulation. Contact your *Bryan Furnace Dealer* for recommendations.



Heavy gauge welded steel combustion chamber assuring many years of dependable service.



Cast iron grate resting on stainless steel rails with 2200 degree fire brick liner. Removable ash pan with heavy steel poker.



### Typical Window Installation.

Universal Window/Wall Mount may be turned vertical for between studs installation or metal wall panels.

### Bryan Furnace Models

Model #	Ash Pan	Blower CFM	Lab Listing	Wood Capacity
Res. 350	Yes	745	Yes	5.9 Cu Ft.
Comm 300	Yes	1210	Yes	8.1 Cu. Ft.

Removable access panel allowing inspection of T-stats, wiring and other electrical components.



Fireproof, galvanized or stainless steel, double wall insulated shelter. Shown on left with optional stand.

### OVERALL DIMENSIONS

MODEL	L	W	H
350	55"	36"	42"
300	55"	36"	51"

3 inch high density insulation between two metal panels.



Large cast iron doors and frames practically indestructible with fiberglass gasket and bar handles with cast iron latches assuring air tight fire chamber.

**TESTING LABORATORY APPROVED**  
High limit control closes damper in case of power outage or over temperature condition.



Arnold Greene  
Testing Laboratories  
Approved Models

### MANUFACTURED BY:

**Rik-Mar, Inc.**  
P.O. Box 4232  
400 Stone City Drive  
Bryan, Texas 77805-4232

**(979) 779-1616**  
1-800-927-9947  
rik-mar@txcyber.com  
www.rik-mar.com

For more information contact:

## OPERATION

The *Bryan Furnace* is an airtight wood burning furnace located inside a well insulated sheet metal shelter. Air is drawn out of the house into the shelter, warmed by the heater, and blown back into the house by a fan. The shelter and firebox are sealed from each other so that only the clean, warmed air can enter the house.

The fan turns on automatically when there is warm air in the chamber and turns off when the fire dies down, to prevent re-circulating cold air. The fire is also automatically controlled by an intake damper thermostat located on the door that is adjustable to control burn rate and air temperature coming into the house.

## CONSTRUCTION

The combustion chamber of the *Bryan Furnace* is continuous welded 1/4" and 10 gauge steel, with cast iron and firebrick protection at all the hot spots to provide a lifetime of service. All sheet metal parts are galvanized steel or stainless steel on selected models.

## EFFICIENCY

The *Bryan Furnace* is an airtight solid fuel furnace with internal baffling for maximum burn efficiency. Since the *Bryan Furnace* uses outside air for combustion and does not pull heated air out of the house to go up the flue, overall efficiency is higher than an indoor solid fuel heater.

## INSTALLATION

The *Bryan Furnace* comes complete except for the flue pipe. Included are the furnace with blower and electrical components, and two 48" joints of insulated flexible ducting. A "UL" listed class "A" 2100° chimney pipe must be used. A minimum of 12" is recommended.

A homeowner can install the *Bryan furnace* in two to three hours with our optional Universal Mount Kit. Instructions for alternate installations are included with each unit. An 8" clearance must be allowed between the sides of the furnace and any combustible surface. A 16" clearance must be allowed between the rear of the furnace and any combustible surface.

## WARRANTY

A limited one year warranty is provided on the basic furnace and electrical components. A five year warranty is provided on the combustion chamber.

# THE BRYAN FURNACE

Heating the Nation



GREEN HOUSES



HUNTING LODGES



HOMES



SHOPS



LOG HOMES



MANUFACTURED HOMES

## THE BRYAN FURNACE.®

*A supplementary wood burning furnace that requires absolutely no home modification*

*Since 1977*



Commercial Model 300 or Residential Model 350 (on optional furnace stand kit) shown. Furnaces are also available with rust resistant polished stainless steel outside shelter.

If you have considered a supplementary home heater but didn't want the mess of ashes in your home, the hazard of a red-hot furnace in your living space or the cost of flues and fire-proofing in your ceiling and roof, the *Bryan Furnace* is the answer to your problem.

The *Bryan Furnace* is similar to a window air conditioner; it conditions air outside the house and then blows it into the home through a window-mounted duct or into your duct-work.

With the *Bryan Furnace*, there is no modification to your home. Combustion is contained in a fireproof unit outside the home. There can be no accidental contact with the furnace. All ashes and fumes are outside the home. All that enters your living space is clean, warm air.

The *Bryan Furnace* takes up to 30" logs and will burn 8 to 12 hours with one fueling. The Residential Model 350 produces up to 90,000 BTU's and the Commercial Model 300 produces up to 130,000 BTU's.