



**Seal Fireplace Dampers With  
Weatherstrip Between Uses to  
Stop Drafts and Save Energy  
by Lowering Energy Bills**

**Enviro Energy International Inc.**





- **When fireplaces are not being used, they should be sealed with weatherstrip to air seal the damper and prevent wasted energy.**
- **Just like doors and windows, fireplaces require weatherstripping to prevent energy loss.**

**Fireplace Plug!** 

**Enviro Energy International Inc.**





- **Fireplaces are the LARGEST unsealed opening in the home.**
- **Fireplaces cost US families over \$6.1B (2005) of wasted energy. This is expected to be \$10B by 2015.**
- **NUMEROUS STUDIES AND REFERENCES URGE FIREPLACES SHOULD BE SEALED BETWEEN USE**

**Fireplace Plug!** 

**Enviro Energy International Inc.**





- **Fireplace dampers ineffective**
- **Fireplace glass doors ineffective**
- **Study: 80% of dampers left open**
- **Scientific study – a home with a fireplace costs 30% more to heat than a home without.**

**Fireplace Plug!**

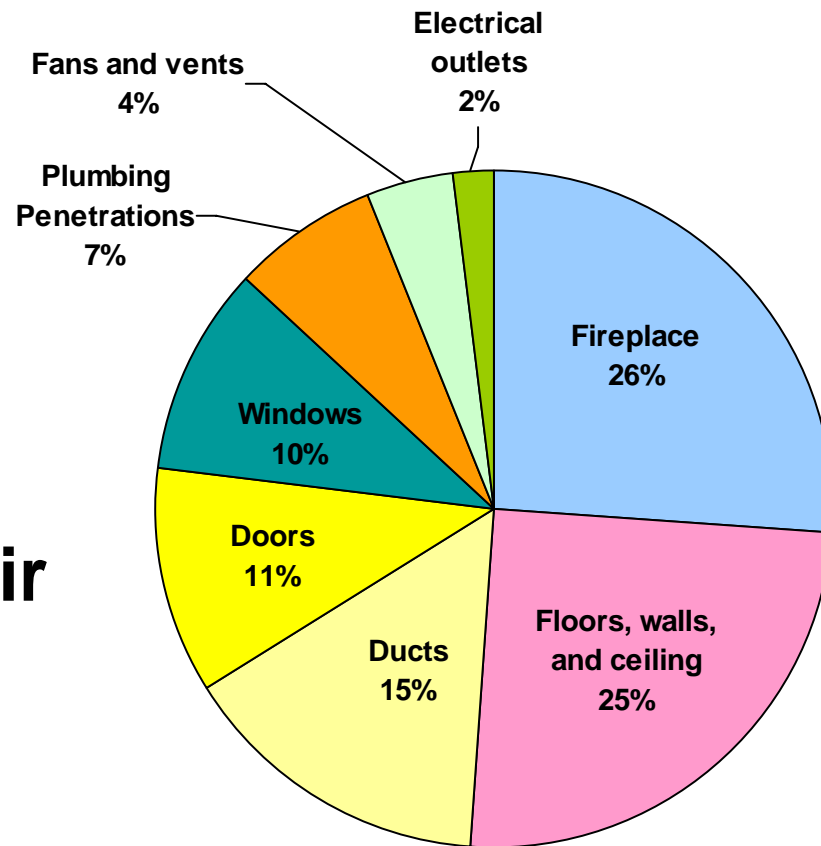
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# Battic Door

Home Energy Conservation Products

- **Single Family Dwelling Air Leakage by Type**
- **Per D.O.E. Fireplace=26% of air leakage!!**



**Fireplace Plug!**



- **Why do fireplaces lose energy?**
  - Air leaks
  - Stack effect
  - Duct leakage (pressure differential)
  - Just like an open skylight, door or window!

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- **Not Just Heat Loss!**
  - Air conditioning losses also occur (infiltration, exfiltration)

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- **Energy Codes require all openings (doors, windows, attic access, etc.) to be sealed.**
  - **Fireplaces are often overlooked**

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- **Other unsealed fireplace damper concerns:**
  - Energy costs / Energy waste
  - Air conditioning losses
  - Downdrafts (Odors, toxins, IAQ)
  - Noise (used for airport noise reduction programs)
  - Insects

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- **Several solutions available:**
  - **Top mount damper (expensive, poor ROI)**
  - **Plug chimney from below (inexpensive, high ROI)**

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Experts have studied this – a recent study showed that by sealing the fireplace, up to 30% less heating and cooling energy is required.

An unsealed fireplace is like an open window!

**The Solution:**

***Introducing...The Fireplace Plug!***

**Fireplace Plug!** 

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- 2 sizes
- Rectangular fits most any masonry fireplace
- Round for zero-clearance fireplaces



**MADE IN U.S.A.**

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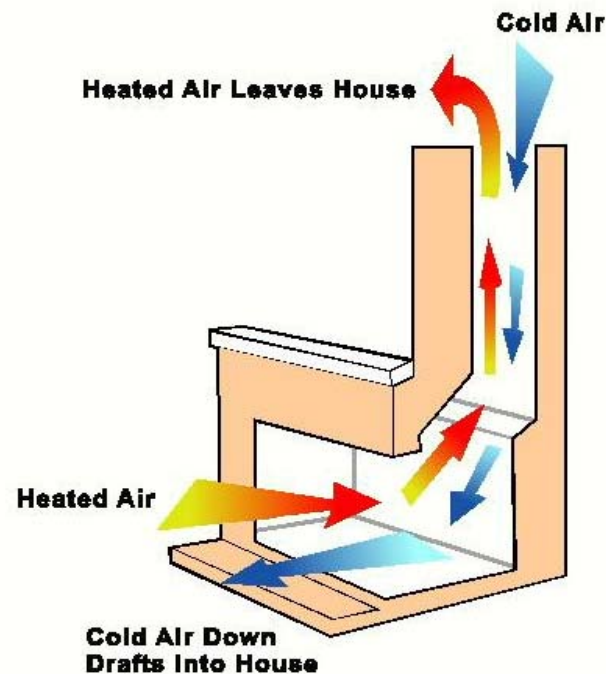


# Battic Door

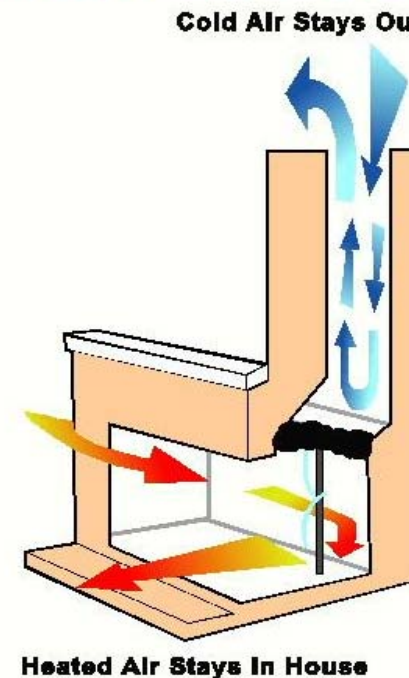
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**INSTALLS BELOW DAMPER – QUICK, CLEAN, EASY**

**BEFORE FIREPLACE PLUG**



**AFTER FIREPLACE PLUG**



**Fireplace Plug!**

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An illustration of a white chimney with a stack of money flying out of the top. The money is represented by numerous dollar signs (\$) of various sizes, appearing to be blown away by a wind current.

**ENERGY COSTS  
ARE SOARING!!  
YOUR HARD  
EARNED  
DOLLARS ARE  
FLYING OUT  
THE CHIMNEY**

**Fireplace Plug!!**

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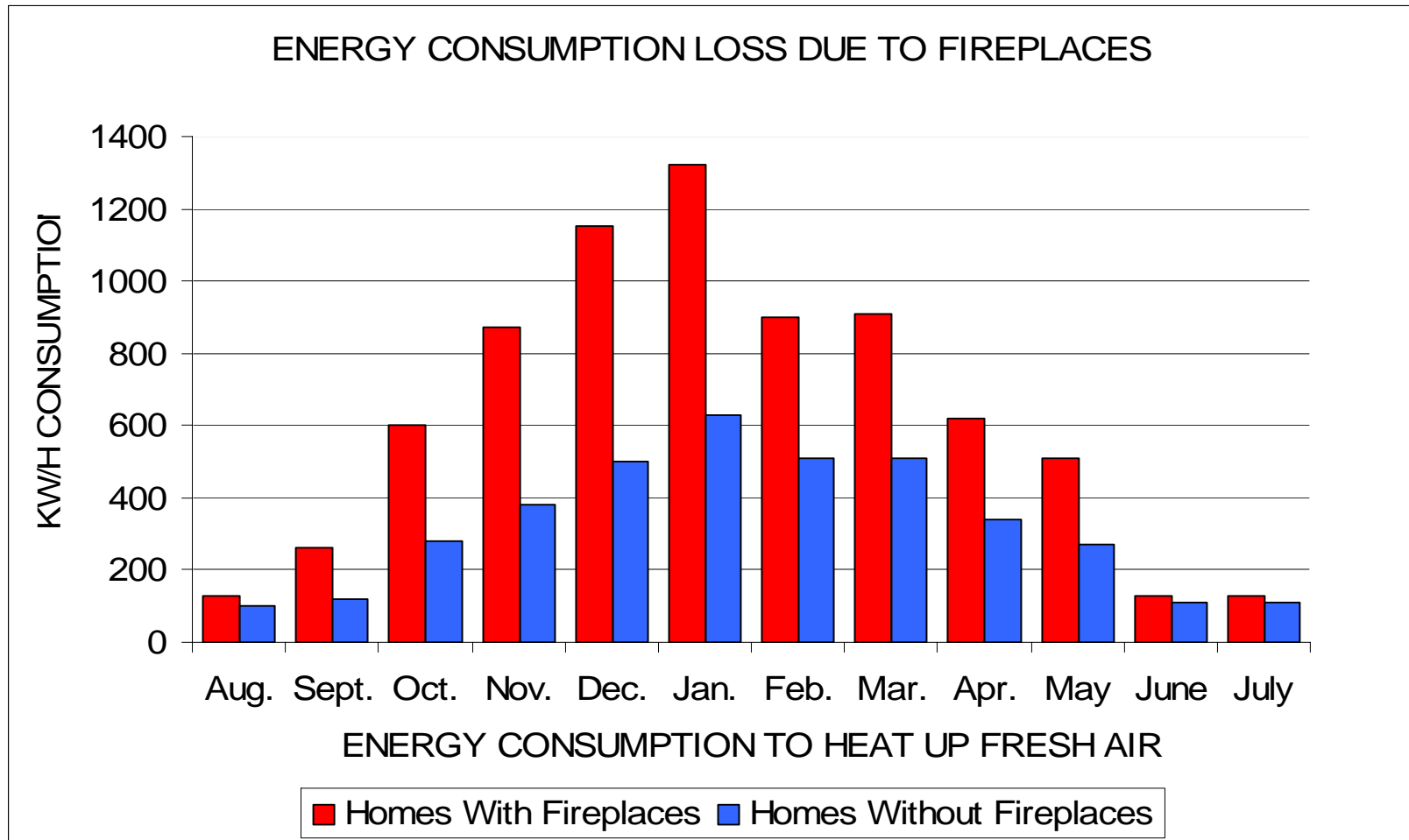


- **RESEARCH DATA EXISTS**
- **SEVERAL STUDIES SHOW RESULTS**

**Fireplace Plug!** 

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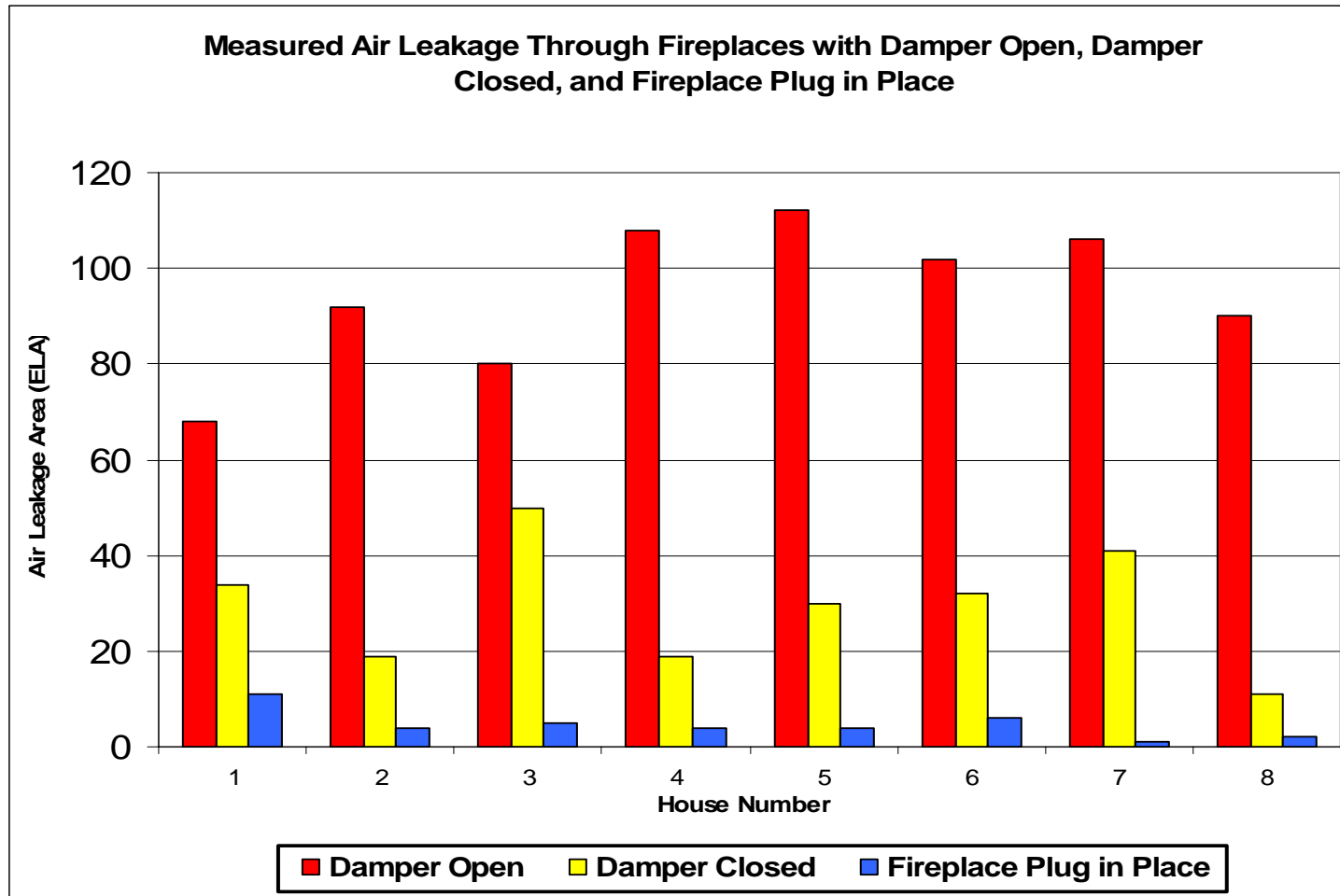




**A research study conducted in France found that during cold weather, fireplaces can allow 76 cfm of additional air leakage. The total increase in heating energy consumption is 3,500 kwhr/year. In addition, during summer months energy is lost due to cold air conditioning exiting up the chimney.**







**Fireplace dampers are energy losers. One remarkable documentation of that fact is an Eight Home Study which shows that an open fireplace can significantly raise over-all heating energy consumption.**

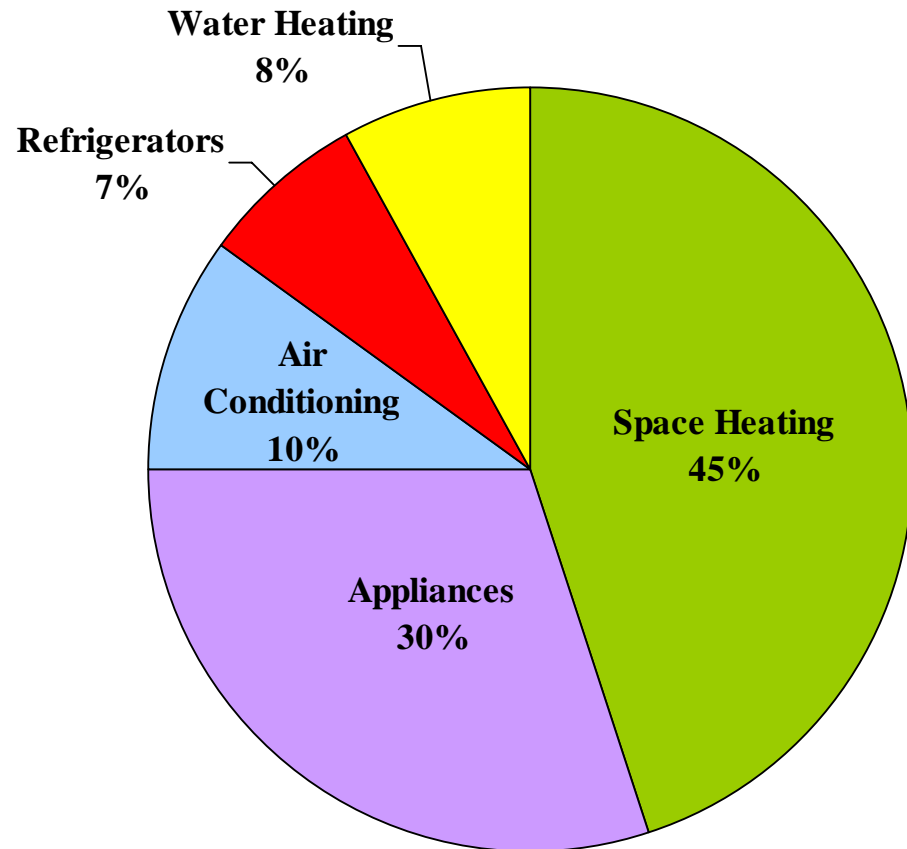
**Note 80% of dampers were found in the open position!**

**Fireplace Plug!**

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- Energy Use for Single Family Dwelling
- Space Heating/Cooling = 45% of energy use in the home



**Fireplace Plug!**



## **BENEFITS OF SEALING THE FIREPLACE**

- **Save conservative average of about \$300 per year in energy costs**
- **Stop drafts (windows, doors, downdrafts)**
- **Stop odors, toxins, asthma, IAQ**
- **Stop Noise, Insects**

**Fireplace Plug!** 

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## FOR WEATHERIZATION EXPERTS

- **Low Cost / High Return**
- **Easy, Quick and Clean to Install and Use**
- **Achieve target reduction in air leakage rate quickly, easily, and inexpensively.**
- **Scientific studies, numerous blower door test data, etc.**

**Fireplace Plug!**

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## ADD THE FIREPLACE PLUG TO YOUR WEATHERIZATION PROGRAM

- Included in the MA Wx Manual
- DOE Recommends to plug the fireplace
- Fireplace Plug is durable, low cost
- Buy direct from [www.batticdoor.com](http://www.batticdoor.com)
- **100% MADE IN U.S.A.!**

**Fireplace Plug!**

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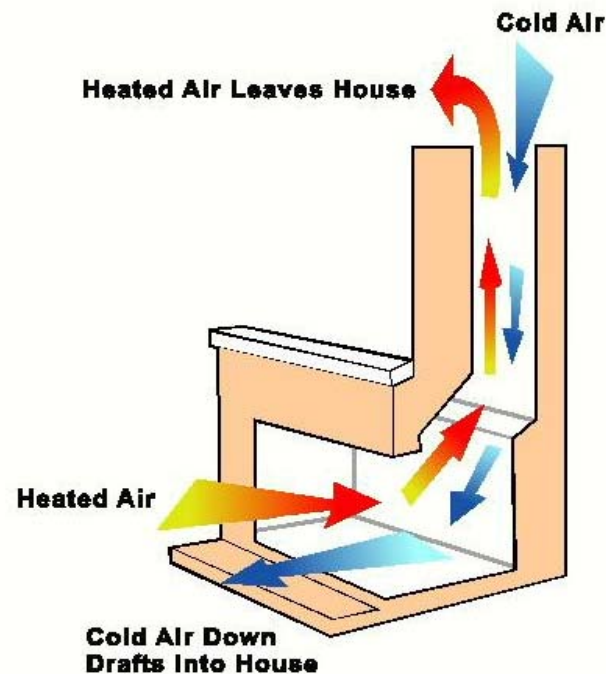


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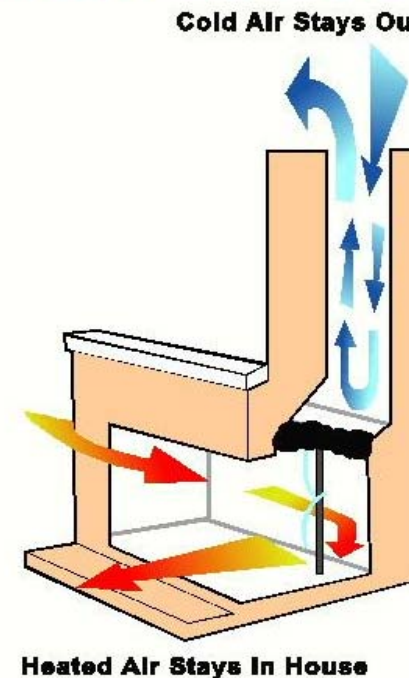
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**EVERY FIREPLACE SHOULD BE SEALED BETWEEN USE**

**BEFORE FIREPLACE PLUG**



**AFTER FIREPLACE PLUG**



**Fireplace Plug!**

**Enviro Energy International Inc.** 

# Battic Door

Home Energy Conservation Products

- 2 MODELS
- Quick, Clean, and EASY to Install!

• 100%  
**MADE IN  
U.S.A.!**



Large:



Round:

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# Battic Door

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**EASY TO INSTALL**



**PREPARE POSITION SEAL**

**Fireplace Plug!**

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- ★ **REDUCE HEATING/COOLING BILLS**
- ★ **STOP NOXIOUS ODORS**
- ★ **STOPS COLD DRAFTS**
- ★ **STOP NOISE FROM AIRPLANES**
- ★ **SUPPORT ENERGY CONSERVATION**
- ★ **SAVE 100'S OF DOLLARS EVERY YEAR**

**Fireplace Plug!**

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**REUSABLE PRODUCT**

**1-3 MONTH PAYBACK**

**DURABLE**

**POLYEURETHANE MATERIAL**

**Fireplace Plug!**

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## **MORE DRAFT STOPPERS:**

- **R-50 Attic Stair Cover**
- **Whole House Fan Shutter Cover**
- **Dryer Vent Seal**
- **E-Z Hatch Attic Access Door**
- **AC Covers**
- **Insulated Switch Plate Covers, more!**

**Fireplace Plug!** 

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# Battic Door

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R-50 Attic Stair Cover



R-42 Attic Access Door



Clothes Dryer Vent



Shutter Cover Seal

**Fireplace Plug!**

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QUESTIONS??



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