



## **U.S. EPA's Voluntary Program for Wood-Burning Fireplaces**

There are approximately 29 million wood-burning fireplaces in the U.S. These and other wood-burning appliances can contribute to wintertime particle pollution.

While EPA does not regulate the manufacture or use of wood-burning fireplaces, the agency's voluntary program for fireplaces can be an effective tool to help reduce particle pollution.

### **About the program:**

The fireplace program encourages the manufacture and sale of new cleaner wood-burning fireplaces and retrofit devices for use in existing fireplaces. EPA-qualified fireplaces emit 70 percent less pollution than unqualified models, and EPA-qualified retrofits may also significantly reduce emissions from existing fireplaces.

To participate in the program, manufacturers have their fireplaces or retrofit devices tested and certified by an independent laboratory.

To qualify models under the program, EPA reviews the test results and determines whether a fireplace or retrofit device meets the program emission levels. Qualified units are marked with a hangtag and listed on the Burn Wise website at: <http://www.epa.gov/burnwise/fireplacelist.html>.

### **How states, tribes and local agencies can participate:**

In communities where wood burning is allowed in fireplaces, EPA encourages:

- Installing EPA-qualified fireplaces in new construction and remodeling
- Using EPA-qualified retrofit devices in existing fireplaces
- Converting to gas alternatives
- Educating people to burn only dry, seasoned wood with 20% moisture or less

### **Resources are available at:**

- EPA's Burn Wise Website: <http://www.epa.gov/burnwise>
- Fireplace Program Frequently Asked Questions: <http://www.epa.gov/burnwise/pdfs/fireplaceqa.pdf>
- Strategies for Reducing Residential Wood Smoke: <http://www.epa.gov/burnwise/strategies.html>

<b>Voluntary Fireplace Program Qualification</b>	
<b>Test Method</b>	ASTM Method 2558 ( <a href="http://www.astm.org/Standards/E2558.htm">www.astm.org/Standards/E2558.htm</a> )
<b>Emission Rate*</b>	5.1 grams of particle pollution per kilogram of wood burned (g/kg)
<b>New Fireplace</b>	<div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;"><b>New EPA Qualified Fireplaces</b> Site-Built Masonry and Pre-Manufactured</p>
<b>Fireplace Retrofit Device**</b>	<p>For use in existing fireplaces</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Catalyst</p> </div> <div style="text-align: center;">  <p>Gas/Wood Hybrid</p> </div> </div>
<b>Hangtags</b>	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 10px; width: 45%;"> <p style="text-align: center; color: orange; font-weight: bold;">PHASE 2 QUALIFIED</p> <p style="text-align: center;">U.S. Environmental Protection Agency Wood-burning Fireplace Program</p> <p style="font-size: small;">Phase 2 Qualified models are cleaner and pollute less than those models that have not met this emissions level. Exposure to smoke has been associated with respiratory illness and other health problems. Models that have lower smoke emissions may reduce your risk.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>FIREPLACE SMOKE EMISSIONS RANGE</b></p> <p>Lower Emissions: 0 Higher Emissions: 12.0</p> <p style="text-align: center;">Better ←  → Worse</p> <p style="text-align: center; color: orange;">5.1 EPA PHASE 2 EMISSIONS LEVEL <b>THIS MODEL</b></p> <p style="font-size: x-small;">Fireplaces with lower emissions produce less smoke when installed and operated properly.</p> <p>MANUFACTURER: XXXXXX MODEL NAME: XXXXXX SMOKE (PARTICLE EMISSIONS): 4.4 GRAMS/KG OF WOOD BURNED</p> <p style="font-size: x-small;">EPA has determined, based on testing by an accredited independent laboratory, that this model qualifies at the Phase 2 emissions level for U.S. EPA's Voluntary Fireplace Program.</p> <p style="text-align: center; color: orange; font-weight: bold;">BurnWise</p> <p style="font-size: x-small; text-align: center;">For more information go to <a href="http://www.epa.gov/burnwise">www.epa.gov/burnwise</a></p> </div> </div> <div style="border: 1px solid black; padding: 10px; width: 45%;"> <p style="text-align: center; color: orange; font-weight: bold;">PHASE 2 QUALIFIED</p> <p style="text-align: center;">U.S. Environmental Protection Agency Wood-burning Fireplace Program</p> <p style="font-size: small;">Phase 2 Qualified retrofit devices installed in fireplaces can reduce smoke. Exposure to smoke has been associated with respiratory illness and other health problems. Fireplaces that have lower smoke emissions may reduce your risk.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>RETROFIT DEVICE SMOKE EMISSIONS RANGE</b></p> <p>Lower Emissions: 0 Higher Emissions: 12.0</p> <p style="text-align: center;">Better ←  → Worse</p> <p style="text-align: center; color: orange;">3.6 EPA PHASE 2 EMISSIONS LEVEL <b>THIS MODEL</b></p> <p style="font-size: x-small;">Fireplaces with lower emissions produce less smoke when installed and operated properly.</p> <p>MANUFACTURER: XXXXXX MODEL NAME: XXXXXX PARTICLE EMISSIONS: 3.6 GRAMS/KG 70% REDUCTION</p> <p style="font-size: x-small;">*As listed on the Model Name (WHDG), results may vary for other fireplaces. EPA has determined, based on testing by an accredited independent laboratory and a certification of conformity by a nationally recognized certification body, that this retrofit device qualifies at the Phase 2 emissions level for U.S. EPA's Voluntary Fireplace Program.</p> <p style="text-align: center; color: orange; font-weight: bold;">BurnWise</p> <p style="font-size: x-small; text-align: center;">For more information go to <a href="http://www.epa.gov/burnwise">www.epa.gov/burnwise</a></p> </div> </div> </div>

\* The emission limit for the voluntary fireplace program is based on the amount of wood burned.\*\* EPA qualification is based on a retrofit device tested in a specific fireplace; results may vary for other fireplaces.