

EPA's Voluntary Fireplace Program

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EPA's Voluntary Fireplace Program

- Purpose:
 - encourage development and sale of new generation of cleaner fireplaces
 - develop additional options for reducing emissions from existing fireplaces, i.e., retrofit devices
- Includes:
 - new manufactured (low-mass) fireplaces
 - new masonry fireplaces
 - retrofit devices for existing fireplaces

Fireplace Program

- Started in 2009
- Phase 1: emissions must be below 7.3 grams particulate emissions/kilogram (g/kg) of wood burned (through 2/19/12)
- Phase 2 (after 2/19/12): emissions must be below 5.1 g/kg
- Currently there are:
 - 25 Phase 2 qualified fireplaces
 - 3 retrofit devices

List of EPA Qualified Fireplaces and Retrofit Devices:

<http://www2.epa.gov/burnwise/list-qualified-fireplaces-fireplace-retrofit-devices>

Fireplace manufacturers program requirements:

- Sign a Partnership Agreement with EPA to bring cleaner fireplaces or retrofit devices to the market.
- Use a descriptive hang tag provided by EPA that gives information on smoke emissions.
- Display information about the program in sales areas.
- Include text in each owner's manual on proper operation and maintenance of the qualifying fireplace/retrofit including how and what to burn.
- Submit sales and test data on improved fireplaces annually.

Fireplace Tags

PHASE 1 QUALIFIED

U.S. Environmental Protection Agency
Low Mass Wood-burning Fireplace Program

Phase 1 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.

For more information go to www.epa.gov/fireplaces

FIREPLACE SMOKE EMISSIONS RANGE

Lower Emissions Higher Emissions
0 12.0

Better Worse

7.0 7.3 EPA PHASE 1 EMISSIONS LEVEL
THIS MODEL

Fireplaces with lower emissions produce less smoke when installed and operated properly.

MANUFACTURER: XXXXX
MODEL NO: XXXXX
PARTICLE EMISSIONS: 7.0 GRAMS/KG OF WOOD BURNED

* EPA has determined, based on testing by an accredited independent laboratory and a certification of conformity by a nationally recognized certification body, that this model qualifies at the Phase 1 emissions level for U.S. EPA's Voluntary Fireplace Program.

◀ **57% Cleaner**
Phase 1 - Good

PHASE 2 QUALIFIED

U.S. Environmental Protection Agency
Low Mass Wood-burning Fireplace Program

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.

For more information go to www.epa.gov/fireplaces

FIREPLACE SMOKE EMISSIONS RANGE

Lower Emissions Higher Emissions
0 12.0

Better Worse

4.0 5.1 EPA PHASE 2 EMISSIONS LEVEL
THIS MODEL

Fireplaces with lower emissions produce less smoke when installed and operated properly.

MANUFACTURER: XXXXX
MODEL NO: XXXXX
PARTICLE EMISSIONS: 4.0 GRAMS/KG OF WOOD BURNED

* EPA has determined, based on testing by an accredited independent laboratory and a certification of conformity by a nationally recognized certification body, that this model qualifies at the Phase 2 emissions level for U.S. EPA's Voluntary Fireplace Program.

◀ **70% Cleaner**
Phase 2 - Better

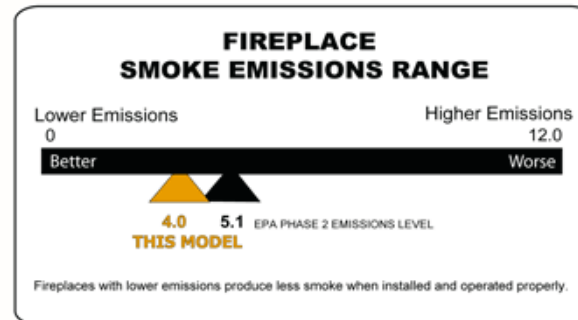
Close-up of Tag:

PHASE 2 QUALIFIED

U.S. Environmental Protection Agency Low Mass Wood-burning Fireplace Program

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.

For more information go to www.epa.gov/fireplaces



MANUFACTURER: XXXXX

MODEL NO: XXXXX

PARTICLE EMISSIONS: 4.0 GRAMS/KG OF WOOD BURNED

* EPA has determined, based on testing by an accredited independent laboratory and a certification of conformity by a nationally recognized certification body, that this model qualifies at the Phase 2 emissions level for U.S. EPA's Voluntary Fireplace Program.

EPA-Certified vs. EPA-Qualified

- As of May 15, 2015, wood stoves, pellet stoves, fireplace inserts, hydronic heaters and forced air furnaces manufactured for retail sales in the US must be EPA-certified under the NSPS federal regulations
 - Meet the applicable emission limits that vary by type of appliance
 - Tested by an EPA-accredited lab
- Fireplaces and fireplace retrofit devices may be **EPA-qualified** under a voluntary non-regulatory program
 - Meet the program emission limits
 - Tested by an EPA-accredited lab
- Key difference: regulatory v. non-regulatory

How can you potentially use this program?

- If installation of new fireplaces are allowed, consider only permitting EPA Qualified Fireplaces.
- If implementing a wood burning appliance replacement program incentivize EPA-Qualified Fireplace Retrofit devices.
- Refer the customer to www.epa.gov/burnwise for listings of Phase II Fireplaces and retrofit devices.

Want More Information? Don't ask me...

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www.epa.gov/burnwise