

Induction Cooking



Induction cooks faster and safer, with better control and easier cleanup, while fighting climate change and improving your indoor air quality. Wow!

How does induction work?

Induction cooktops create a strong magnetic field that excites the electrons in your metal pan, creating heat. The pan gets hot to cook your food, but the glass surface stays just warm to the touch.

Benefits of cooking with induction

FASTER

Induction boils water twice as fast as gas or electric resistance. It sends energy more rapidly into the pan than any other type of stove.

PRECISE CONTROL

Change temperature virtually instantly. Set and hold precise temps with digital controls.

ENERGY EFFICIENT

Just the pan is heated, so very little heat is wasted. Induction is 85% efficient, while gas stoves are only 32% efficient.



HEALTHIER

No toxic gases emitted into your home.

SAFER

No flame and little residual heat—and no chance of a gas leak.

EASY TO CLEAN

Smooth, easy to clean ceramic glass surface, and no hot burner onto which food can burn and stick.

What kind of pans will I need?

All iron pans work, including cast iron and enamel or ceramic coated iron. Most stainless steel works. Aluminum, copper and glass work only if the manufacturer has added an iron or steel plate to the bottom. Check your pans by holding a magnet to the bottom—if the magnet sticks, the pan will work.

How do I get started?

If you currently have an electric range or a gas range with an electric oven, it is a simple swap out to upgrade to an induction range. If you have an all gas range, you will need a 240V dedicated circuit installed by an electrician (unless there's one already from a prior electric range). Read reviews to find an induction range or cooktop that meets your needs.

Let's talk about gas stoves



Bad for your health

Gas stoves emit toxic gases into your house that can cause asthma and other respiratory problems. Cooking with gas sends nitrogen dioxide (NO₂, associated with asthma), carbon monoxide (CO), and formaldehyde (CH₂O) into the air. Gas stoves also leak methane, often containing benzene, even when they're turned off. Benzene is linked to cancers like leukemia.

Bad for our climate

Gas stoves emit carbon dioxide and methane into the atmosphere which are the drivers of climate change.

Rebates & Tax Credits

- Low and moderate income up-front rebate up to \$840 (available 2026)

Get more helpful resources and sign up for a free yard sign at www.electrifypdx.org

