

# Wood Stoves



**BUCKSTOVE**  
Unmatched American Quality

## Non-Catalytic

Non-catalytic wood stoves are an advanced heating solution that employs a sophisticated mechanism to facilitate efficient and clean wood burning. Operating without a catalytic converter, these stoves utilize specially designed air tubes and super-heated oxygen to create a secondary burn. This process allows for the thorough combustion of the gases and particulates released during the wood-burning process, leading to reduced emissions and increased overall efficiency.

The integration of air tubes and super-heated oxygen promotes the complete combustion of the wood, ensuring that a higher percentage of the available energy is converted into heat. This results in a more efficient use of the fuel, maximizing heat output and minimizing the amount of unburned particles released into the atmosphere. By promoting a more thorough burn, non-catalytic wood stoves contribute to a cleaner and healthier indoor and outdoor environment, reducing the impact on air quality and promoting a more sustainable heating solution.

**(Model 21NC, Model 74 & Model 81)**



## Catalytic

Catalytic wood stoves utilize a catalytic combustor to facilitate the re-burning of the gases and particulates released during the wood-burning process. As the emissions pass through the catalytic combustor, operating at elevated temperatures, they undergo a secondary combustion process, resulting in improved efficiency, reduced emissions, and extended burn times. This innovative mechanism ensures that a higher percentage of the wood's energy is converted into heat, maximizing the stove's performance while minimizing environmental impact. Catalytic wood stoves offer users a reliable and sustainable heating solution that promotes cleaner air quality and a more eco-friendly approach to wood heating. **(Model 91)**

## Zero Clearance

Zero-clearance wood stoves are designed to be installed directly against combustible surfaces, making them a convenient and space-saving heating option for various



residential and commercial settings. These stoves are built with specific insulation and construction techniques that enable them to be safely installed with minimal clearance to combustible materials. With a focus on safety and efficiency, zero-clearance wood stoves offer a large viewing area of the fire, enhancing the visual appeal and ambiance of the room. Their versatile installation options, including framing into the wall with an outside chase or framing into the room, provide users with flexibility in incorporating these stoves into their living spaces. Combining both decorative and functional aspects, zero-clearance wood stoves not only add a touch of elegance to the interior but also ensure efficient and clean burning, providing a cozy and inviting atmosphere while adhering to stringent safety standards.

**(Models 21NC, Model 21ZC & Model 74ZC)**