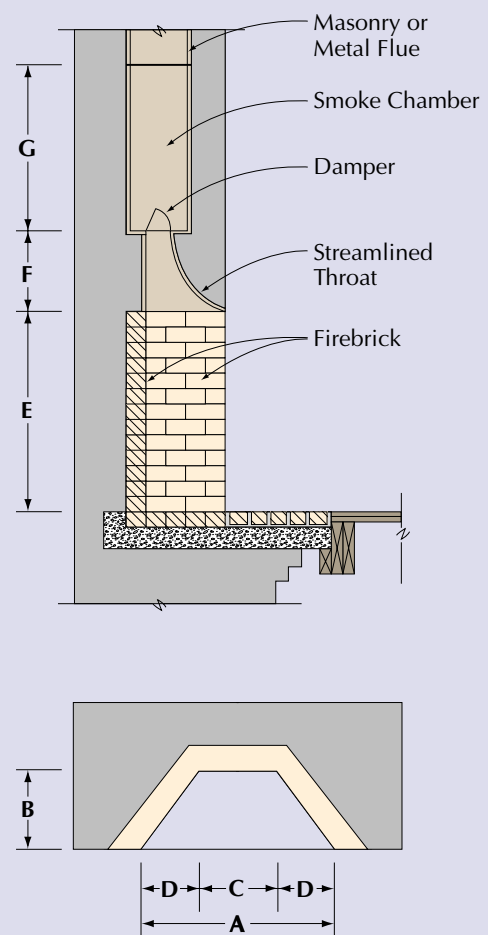
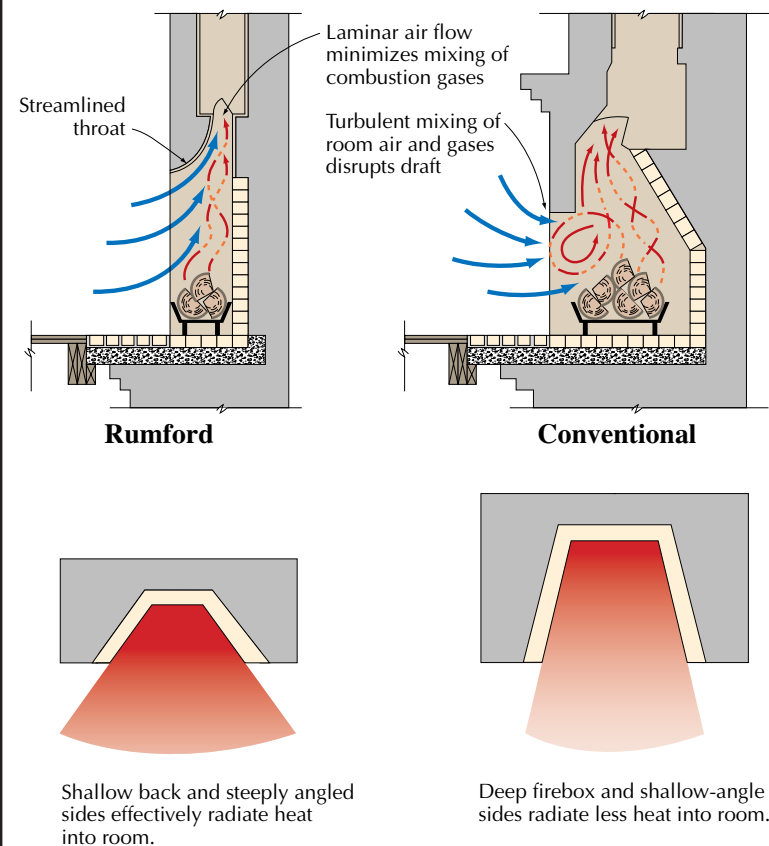


RUMFORD MASONRY FIREPLACES

Rumford vs Conventional Fireplaces



Rumford Dimensions

FIREPLACE WIDTH	A	B	C	D	E	F	G
2' WIDE	24"	12"	13.5"	5.25"	24"-28"	12"	19"
2'-6" WIDE	30"	12"	13.5"	8.25"	28"-32"	12"	18"
3' WIDE	36"	14"	13.5"	11.25"	32"-38"	14"	18"
3'-6" WIDE	42"	15"	15"	13.5"	38"-42"	15"	18"
4' WIDE	48"	16"	18"	15"	42"-48"	16"	19"
4'-6" WIDE	54"	18"	18"	18"	50"	13.5"	32"
5' WIDE	60"	20"	22.5"	18.75"	48"-54"	13.5"	32"
6' WIDE	72"	24"	24"	24"	54"-60"	13.5"	32"
7' WIDE	84"	28"	28"	28"	60"	13.5"	42"
8' WIDE	96"	32"	32"	32"	60"	13.5"	42"
10' WIDE	120"	40"	40"	40"	72"	13.5"	42"

For more information on Rumford fireplaces, please see our other publications:

Rumford Fireplace Components and McNear Rumford Flue (MRF) Design and Installation Guide.



Real Fireplaces That Really Work.



Radiant Heat

Count Rumford was the first to realize that a fireplace heats a room solely through radiation of visible and invisible light. Armed with this insight, he set about designing a fireplace to maximize its effectiveness as a radiant heater. His research produced a tall, shallow firebox with widely flared sides that gives off huge amounts of heat over a very wide arc.

Rumford Throat

While his radical new firebox design succeeded in giving off far more heat, it also initially gave off liberal amounts of smoke into the room. Ever the scientist, Count Rumford switched from thermodynamics to aerodynamics and developed the smooth, streamlined throat that became a unique feature of his fireplace.

This Rumford Throat captures all the products of combustion and guides them smoothly and without turbulence into the chimney. Because of its streamlined efficiency, it also greatly reduces the amount of warm air lost up the chimney.

Clean-Burning

The tall firebox and streamlined throat have an additional beneficial effect which Count Rumford could never have imagined: by keeping the smoke at a higher temperature for a longer time, more particulate is burned, making Rumfords one of the few clean-burning masonry fireplaces. Rumfords have been laboratory tested and meet wood-burning appliance emission regulations.



Modular Components

Our Rumford fireplace system consists of a set of modular components that faithfully incorporate Count Rumford's principles while greatly simplifying the design and construction of perfect fireplaces. Fireboxes, throat sections, smoke chambers, dampers, and flues are all pre-engineered to ensure perfect operation in fireplaces varying in size from two feet to more than ten feet wide.

Traditional Beauty

The Rumford fireplace's large open firebox radiates traditional beauty and charm. While its geometry is fixed, the color, size, and pattern of the firebrick used are at the designer's discretion. McNear Brick & Block supplies 3 colors of architectural firebrick: red, white, and sandstone. These colors are also available as prefabricated herringbone fireboxes.

Rumfords: Real Fireplaces That Really Work

Two hundred years ago the

American-born scientist and adventurer, Count Rumford, turned his interest to the perfection of the wood-burning fireplace. His revolutionary design burned cleanly and efficiently while giving off far more heat than conventional fireplaces.

Now, the superior design of the Rumford Fireplace has been rediscovered and is available as an efficient new system of pre-engineered modular masonry components. These Rumfords are real fireplaces, built of solid masonry—not sheet metal. In use, they easily heat entire rooms; and even with the fire out, they bring warmth and elegance to any setting.

