

SmokeBlockAid ^{US Patent # 7810576}

a patented device that assists in life safety and property conservation by containing smoke to a particular room while using no manpower. It also allows personnel to pass through doorways without closing the door behind them

Highlights

- ◊ controls oxygen to the fire without taking up manpower
- ◊ great visual indicator of flow path
- ◊ reduces smoke damage
- ◊ eliminate smoke in common areas to help with rescue operations
- ◊ drastically minimizes the conditions that lead to flashover

- ◊ fire fighters and charged hose lines can pass through while BlockAid is deployed
- ◊ prevent smoke spread in large buildings and apartment complexes



Specs

- Material** ◊ Silicone impregnated fiberglass rated up to 500° F for extended period of time. Fabric maintains integrity up to 1100° F
- Ratchet** ◊ QuickAction with screw tightening
- Durability** ◊ Extra protection with vinyl patches at all wear points, stainless steel clips to upper arm for extreme high heat situations
- Sizes** ◊ Standard ◊ Min: 27" ◊ Max: 43"
Height: 75"
- ◊ XL ◊ Min: 36" ◊ Max: 56"
Height: 75"



Super Vac Smoke BlockAid

U.S. Patent #7810576

The most important task for firefighters is to save lives. In the case of fire in multi-story residential buildings, this objective can be best achieved by using the stairways as the preferred route of attack. This method of entering a multi-story dwelling assures that the most important escape route for the inhabitants is immediately controlled as people are often found there on their way out of the building – either in a smoke or in a still-safe and smoke-free environment.

Therefore, one of the most important aims for fire crews is to have a smoke free and safe stairway. However, choosing the stairways as the preferred route of attack to a fire in a building means opening doors. Firefighting operations sometimes enable smoke to travel through a building, entering stairways and can lead to the endangerment of the inhabitants.

In smaller buildings, the Super Vac Smoke BlockAid can limit smoke damage. It can block smoke and heat from exiting the top of the door while allowing hose lines and firefighters in the bottom of the same door.

The utilization of a portable smoke BlockAid, which is fastened in the upper part of the door, hinders smoke from flowing into other areas and allows fresh air to enter the fire area at floor level.

This keeps the volume of smoke to be expelled from the building to a minimum and improves the conditions and safety for firefighters by leading to lower temperatures and better visibility.

The BlockAid is a combination of a metal frame with a spreader and a special textile fiber curtain. The curtain shall be made up of a silicone impregnated fiberglass. It is rated up to 1100° F, 500°F over extended periods of time, and is durable in the smokiest conditions.

The frame shall be adjustable to fit in a variety of doors and shall have a QuickAction ratchet that tightens with a screw motion. The curtain shall be reinforced with vinyl patches at all wear points and stainless steel clips to the upper arm.

Available in 2 sizes:

Standard: This curtain shall have a height of 75 inches, a minimum width of 27 inches and a maximum width of 43 inches.

XL: This curtain shall have a height of 75 inches, a minimum width of 36 inches and a maximum width of 56 inches.