



**TRAINING THAT MAKES
AN IMPACT**

**Live-action hands-on
demonstrations.**

The Desktop Flashover has been specifically developed to produce realistic classroom demonstrations of the dangers and the energy released by a backdraught or flashover. Using the controllable gas supply and internal ventilation system, it is possible to simulate a variety of air and gas mixtures to create environments that are within, below or above explosive limits.

From high-energy flashovers to oxygen starved backdrafts, nearly any explosive condition can be created and ignited with the Desktop Flashover.

> DESKTOP FLASHOVER



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- 1 Desktop Flashover blast vents
- 2 Control panel and built-in smoke generator
- 3 Desktop Flashover demonstration

How the Desktop Flashover works

The Desktop Flashover is a portable tabletop training system that allows you to control ignition, smoke generation, gas concentration and ventilation for a full range of explosions. By mixing gas and air levels, the Desktop Flashover is capable of reproducing a wide spectrum of environments thanks to its controllable gas supply and internal ventilation system.

The properties of fire spread and explosion are viewed through the shatter-resistant window for high impact training. Blast doors in the top of the unit safely direct the energy up and away from the system. Students see the flames and feel the heat for training.

Set the ignition to continuous to demonstrate how an explosion occurs when the LEL is reached or activate the ignition after the desired gas concentration is reached for a backdraught.

Variable Ignition

- > The built-in electronic ignition is controlled by the instructor and can be used to teach LEL and UEL thresholds.
 - > Set the ignition to continuous to demonstrate how an explosion occurs when the LEL is reached. This can be used to simulate a flashover. As the gas concentration reaches the lower explosive limit the effects are similar to a fire reaching flashover temperature.
 - > Activate the ignition after the upper explosive limit is passed to demonstrate an oversaturated environment. Open the side vents to allow air to enter the mixture to simulate a backdraft effect.
 - > Activate the ignition when the gas concentration is approaching the UEL for a slow-burning low-energy explosion.
 - > Activate the ignition while the gas is between the LEL and UEL for a rapid high-energy explosion.
 - > Activate the smoke generator to simulate a the visual components of a flashover, backdraught or rollover.

Specifications

- > Casing: stainless steel
- > Glass: 6mm layered
- > AC: 230V~ 50 / 60 Hz
- > Max. Power consumption: 4A
- > Fuel: propane
- > Pressure: 30 mbar
- > Operating Temperature: +5°C / +30°C
- > Dimensions: w x d x h = 79 x 51 x 72 cm
- > Weight: ca. 47 kg.

Find out why

Thousands of corporations, universities, hospitals, fire departments and government agencies are using HAAGEN simulators. For a demonstration video and more information: call +44(0)121 632 2700, online at www.haagen.co.uk