HAAGEN®

Specifications

Gas Technical specifications:

Gas Type : Propane in a standard gas bottle
Gas Bottle : Standard bottle 10.5kg (diam. 30-31 cm)
Pressure Reducer : 0.5 / 1.5 bar, 6kg/h, connection 3/8" left
Operating Pressure : ca. 1 bar
Types of fires : Low- and high pointed flame and a surface flame
Power : max. ca. 100 kW
Gas Consumption : max. ca. 7.7 kg/h

Electrical specifications:

Controls : 12V DC. External attachment
Power Supply : min. 11.5V-DC, max. 14V-DC (nominal12V DC)
Fuse : 2 A-T
Power : max. 20W

Remote Control:

Remote Control : Cable connection to the main unit
Dimensions : (w x d x h) 8.5 x 17 x 3.5/6.5 cm
Weight incl. cable : 0.8 kg
Length cable : 7 m
Cable quality : PU-TPE

Main Unit:

Material : Stainless Steel
Weight (incl grid) : 30 kg
Dimensions : (w x d x h) 61 x 80/92 x 21 cm

Standard Package:
> M-FIRE
> Grid
> Remote Control
> Prop Plate
> Power Supply

Options:
> Console
> Battery Pack
> Cigarette Plug Adapter

M-FIRE Props
> M-FIRE Motor
> M-FIRE Dustbin
> M-FIRE Electric Cabinet
> M-FIRE Flat Screen
> Hot Plate with Pan

M-FIRE Active Props
> M-FIRE Lab
> M-FIRE Bed
> M-FIRE Desk
> M-FIRE Rack
> M-FIRE Stove

M-FIRE Electric Motor

M-FIRE Electric Cabinet

M-FIRE Flatscreen

M-FIRE Dustbin

[**SMART**
TOOLS
FOR REAL
TRAINING]

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Compact and portable

Realistic Training

The M-FIRE is a versatile fire training system that produces full-scale flames in a highly portable package. Multiple fire settings, a wide range of props and pre-programmed fire scenarios give you the tools to prepare your personnel to safely handle a fire. Built-in wheels and pull handle make the M-FIRE easily transportable by one person. The slim profile means the M-FIRE can be transported from training site to training site in virtually any vehicle.

The M-FIRE utilises direct ignition and a dry burner system to produce flames at the push of a button. This eliminates the time required for a pilot to ignite and be recognised before the burners can be lit. It also means that you don't need to transport any additional water to fill the tray before a training session. Simply plug the M-FIRE into a 12V power supply and connect the propane supply line, push start and you're ready to train.

Multiple fire scenarios can be achieved with the M-FIRE training system's unique combination burner design. Using the hand-held controller, select option A and an intense fire is generated from the M-FIRE system's center burner. Select option B Fires for a quickly spreading fire that engulfs the full footprint of the M-FIRE via the diffusion burner. The central burner is also ignited at the low-fire setting and challenges students to coat the base of the fire and "fuel" with agent. Select option C Fires for a stubborn fire generated from the central burner on the low-fire setting.

Safety Features

> The M-FIRE handheld controller includes a safety switch that instantly shuts-down the flames when released.
> Integrated flame detection from redundant flame sensors ensure that flames are present for gas to flow to the burners.
> The M-FIRE features two electronic ignition systems for quick and reliable start-up.
> Overheat sensors are integrated into the system and automatically shut-down the M-FIRE if an unsafe temperature is reached.
> The M-FIRE produces a warning tone before each ignition.

Portability

With a streamlined design, built-in wheels and a retractable pull-handle, the M-FIRE is easy to transport from site to site. Efficient design allows the M-FIRE to stand-up to evolution after evolution of intense fire training while being portable enough to fit in virtually any vehicle.

Pre-programmed Fire Scenarios

Challenge trainees with the realistic flame response of the M-FIRE pre-programmed scenarios.

AutoFire A - When set to AutoFire A, the M-FIRE generates a growing fire scenario to simulate the fire spread of a combustible materials fire. The center burner is ignited on the low-fire setting. If the trainee hasn't successfully extinguished the flames after 20 seconds the diffusion burner ignites. If the fire is still not out after another 10 seconds, the center burner grows to the high-fire setting. The longer the fire burns, the more difficult it is to extinguish. If the trainee controls the fire and extinguishes the flames at any point in the scenario, the system automatically shuts-down signalling a successful evolution

AutoFire B - The AutoFire B scenario simulates a reigniting fire. The flames first erupt from the diffusion burner and central burner on the low-fire setting. If the trainee knocks-down the flames the system will pause for two seconds before reigniting both burners. As the trainee continues to apply the extinguisher correctly, the flames will die down and pause again before reigniting. If the trainee is able to fully extinguish the fire after the second re-ignition, the system will shut-down signalling a successful evolution.
This scenario helps teach trainees to not turn their back on a fire and the importance of continuing to apply the extinguisher to a class B fires to control re-ignition.

AutoFire C – This scenario simulates a fire with varying flame intensity. The scenario begins with central burner ignition on the high-fire setting. Throughout the evolution, the intensity varies from high-fire to low-fire on the central burner simulating electrical surges. If the trainee successfully extinguishes the fire the system shuts down signalling a successful evolution.
If the trainee is unable to extinguish the flames in any of the scenarios, the system shuts down after 60 seconds or when the instructor releases the ignition button.

Possible Add-ons:

> M-FIRE Props
> M-FIRE Active Props