

Dräger FTS 1000

Fire training system

Safe, compact and realistic: The wood-fired Dräger FTS 1000 fire simulation system gives trainees the chance to observe the development of a rollover or flashover, recognise the dangers early on, and practise the correct behaviour in the event of a fire. The system's high quality and proven features ensure maximum safety during training and a long service life.

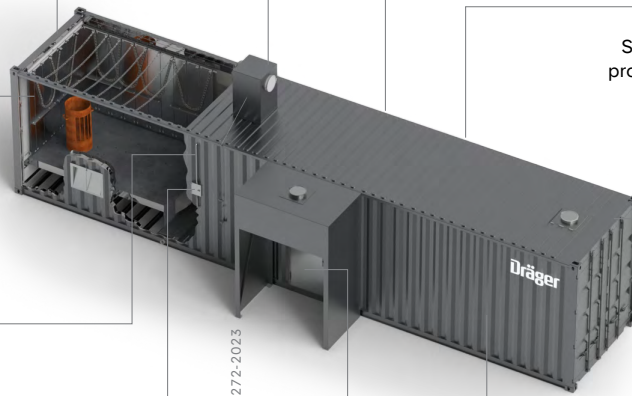
Dräger FTS 1000

Exterior door with a repeatable breaking function for access drills

Ante-room with interior door for breach exercises using a cutting extinguisher or high-pressure piercing lance

High-cube container design for optimal smoke and heat distribution

Doors that open in various directions



Offset training windows allow for ventilation drills

Option to connect a smoke cleaning system

Safe temperature monitoring protects both trainees and the training equipment

Available with or without a door and partition to the fire chamber

Additional heat protection lining in the fire chamber extends the container's lifespan

Heat-resistant, thick-wall insulation prevents unwanted heat loss

Benefits

Assess and control fire development

Inside the wood-fired Dräger FTS 1000, trainees can observe fire development from initial ignition to smoke ignition (rollover) or full room ignition (flashover). The system is designed so that the fire's intensity can be optimally controlled via oxygen supply. To do this, the trainer uses the access door and a smoke vent in the container ceiling, operated by an easy-to-use pulley system. The elevated fire chamber remains visible even with heavy smoke, offering trainees additional safety during sudden ignition due to the height difference. Trainees keep an eye on the rollover progression and learn to control the situation. A separate opening in the fire chamber allows straw to be introduced from outside to create dense smoke. By exposing trainees to real flames, intense heat, high humidity, limited visibility and thick smoke, the system creates a realistic fire scenario. The two diagonally opposed windows also allow for entry and ventilation drills.

Long lifespan due to high-quality construction

Wood-fired containers must withstand extreme temperatures and corrosion. The Dräger FTS 1000 uses materials that perform exceptionally well under these conditions, even after years of use, ensuring high system availability. Heavily heat-exposed elements are reinforced or protected from overheating with high-quality insulation. Temperature sensors monitor various points within the container, allowing the user to optimise burn duration and fuel usage while preventing the system from overheating.

Safety through protective equipment and monitoring

Wood-fired containers generate flammable pyrolysis gases. To ensure maximum safety for trainees in this environment, Dräger offers all the required safety features as well as an additional temperature monitoring system with both audible and visual alarms to warn trainees of excessive temperatures and allow corrective action. The temperature monitoring system can be recorded and displayed on an external screen, allowing the fire and temperature progression to be reviewed with trainees afterwards.

Optional equipment

In addition to fire simulation scenarios, the Dräger FTS 1000 offers two configuration variants and various options.

Variants:

- Heat exposure, rollover observation and firefighting training container
- Rollover container for advanced firefighting attack training and flashover effects

Options (selection):

- External temperature monitoring display for training purposes
- Ante-room including entry door with breaking function for crowbar and opening for breach drills with a high-pressure piercing lance
- Smoke cleaning system

Benefits

Professional operator briefing and user training

Our comprehensive operator briefing includes advanced realistic fire training or a train-the-trainer course, led by professional and internationally experienced fire brigade trainers from the Dräger Academy.

The training programme is tailored to the configuration of the fire training system, with a focus on how to correctly use the adjustable and combinable training elements. Participants receive a training certificate, and those completing the train-the-trainer course obtain a trainer certification.

Built for sustainability

This system is built with sustainability in mind. It includes high-quality, thick-wall insulation to prevent rapid cooling and save fuel, as well as the option to connect a smoke cleaning system to reduce emissions.

The durable materials are nearly fully recyclable and ensure a long lifespan. The system requires minimal maintenance, which can be carried out by trained users or Dräger Service technicians.

Accessories



D-1780-2021

Dräger UCF FireVista

Small, light, robust and can be operated with just one button: The compact thermal imaging camera Dräger UCF FireVista provides excellent picture quality even under the most difficult operating conditions. The camera is ready for immediate use and provides the best possible support on firefighting deployments. Outstanding quality – especially in the price.



D-1552-2022

Dräger UCF FireCore

The Dräger UCF FireCore hands-free thermal imaging camera gives you a permanent vision of your immediate surroundings, even under the toughest conditions. That allows you to orientate yourself more quickly and safely, while also improving your situational awareness.



D-963-2024

Dräger FPS-COM 7000

The Dräger FPS-COM 7000 provides hands-free communication for all wearers of respiratory protection devices during a mission. Excellent voice quality is achieved by removing interfering noises.

Services

D-23331-2016



Product service

Our product service department supports you with a range of service packages – in our shops or on site at your facility. Care, servicing and maintenance are key factors when it comes to safety. Diligent maintenance and care is also absolutely necessary from an economics perspective. Preventive checks, service procedures and original replacement parts make your investment last longer.

D-23355-2016



Training

The Dräger Academy has been sharing its sound, practical knowledge for over 40 years. With over 110 authorised trainers and more than 600 available topics, we conduct more than 2,400 training sessions per year. We provide your staff with practical knowledge and ensure that what they learn can be applied effectively, both on a day-to-day basis and more importantly, in critical situations. We would be glad to develop a custom-made training programme just for you.

Related Products

D-25591-2020



Dräger FTS 8000

The mobile fire training system Dräger FTS 8000 for fire brigades enables you to carry out demanding and safe real fire training on the contents of nozzle training, reading smoke layers, rapid fire expansion, heat experience and tactical procedure. The combination of wood-, gas- and liquid gas-fired fire sites allows a very realistic training.

Related Products



D-275-2023

Dräger GFC 3000

With its compact and robust container design, the gas-powered Dräger GFC 3000 fire simulation system offers safe and versatile training opportunities for firefighting and the correct tactical approach during search and rescue operations in smoke-filled interiors. Specialised training elements can be integrated into the fire training system for maritime and industrial applications.



D-83-2023

Dräger CFS 7000

The Dräger CFS 7000 gas-powered passenger vehicle simulator is the economical solution for efficient, repeatable and realistic training of firefighting and rescue operations. It offers the essential training elements of internal combustion, gas, hybrid and electric vehicles, enabling you to create effective training scenarios for emergency personnel with different levels of experience.



D-37592-2021

Dräger WFS 1000

The Dräger Wildland-Fire Sandbox WFS 1000 is an efficient training tool for the theoretical and tactical training of fire brigades. Developed together with experts, it offers a variety of scenarios for different training levels of fighting forest and vegetation fires thanks to its software-based display.



D-41735-2021

Dräger AFS 5000

The gas-powered aircraft fire simulator Dräger AFS 5000 is the economical solution for efficient and realistic training. Thanks to a wide range of scenarios, it is suitable for trainees and advanced students. With the AFS 5000, all requirements for a training facility in accordance with the International Civil Aviation Organization can be met.

Technical Data

Footprint / Height (L x W x H)	approx. 12.50 x 2.50 x 3.40 m
Weight	approx. 16,000 kg
Temperature range	0 °C to +40 °C
Fuel medium	Wood, straw

Solution overview

The system consists of a 40' high-cube overseas container, equipped with a fire chamber for burning wood and an observation room, and can be extended with additional modules.

On-site requirements

- Power supply: 230 V, 50 Hz, 16 A
- Fuel and ignition materials (wood)
- Drainage (according to technical safety requirements) and lighting for the surrounding training area
- All necessary building permits and approvals that may be required in addition to the 3rd party inspection
- Any tasks or provisions that are not explicitly included in Dräger's scope of delivery

Ordering Information

Scope of delivery

Our offering includes the following services:

- Planning and design
 - Delivery of the system to the first installation site
 - Installation and commissioning of the system
 - 3rd party inspection (optional)
 - Technical documentation (including manufacturer's instructions)
 - Operator briefing for five individuals on how to operate the system and perform basic maintenance
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