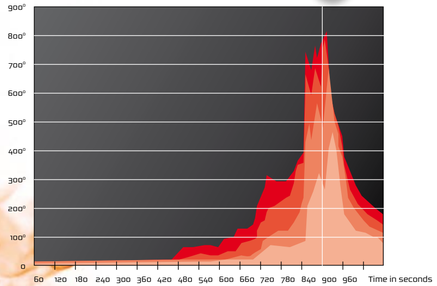
Technology & Result

Flashover situation

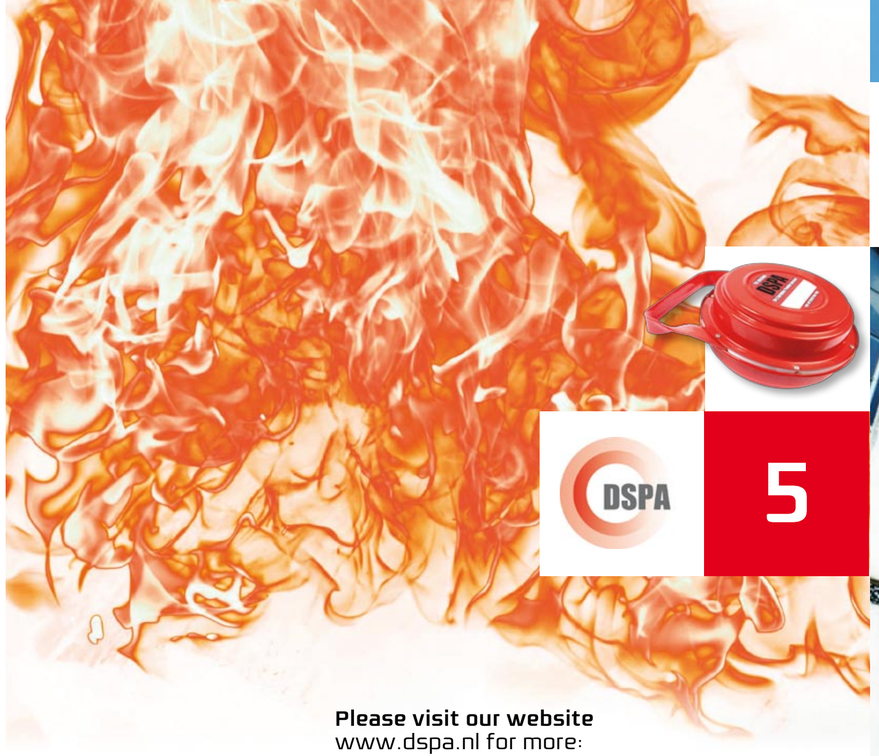


When fighting fully developed fires, which can result in flashovers or backdrafts, DSPA-5 will knock down the flames and drop the temperature quickly and efficiently to a manageable level.
For firefighters this will mean that the safety when performing an indoor attack will be increased significantly.

Aerosol, how does it work?



DSPA Aerosol was originally developed as an alternative to Halon. Unlike Halon, DSPA is environmentally friendly. The active substances of the DSPA Aerosol are solid micro particles that fill the compartment completely and will stay there for a considerable amount of time. DSPA Aerosol works as an anti catalytic and as a result the energy will be drained from the fire and flames will be extinguished within seconds.



DSPA 5

Please visit our website
www.dspa.nl for more:

- Video's
- News articles
- Testimonials
- Test reports
- Background information

DSPA.nl
P.O. Box 6572
6503 GB Nijmegen
The Netherlands
T. +31 (0) 24 35 22 573

info@dspa.nl

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Quick, easy & safe deployment for indoor fires





"Ottawa Firefighter Pulled From Burning Basement"

The firefighter was caught in a possible flashover
Ottawa Citizen (Can), December 16th 2010



"Werrington blaze: Firefighters escaped with minutes to spare"

The fire accelerated at an alarming rate. The 12 fire engines struggled to extinguish the flames due to a lack of water. *Peterborough Today (UK), December 16th 2010*



"Firefighters' lucky escape"

Two firefighters had a lucky escape when the blaze became so severe it caused an intense flashover.
de Gelderlander, 9 juni 2007

"Motel burns for hours as firefighters truck in water"

Thousands of gallons of water had to be transported to the scene.
WTOC, (GA, USA), Jan 07 2010



The DSPA-5 offers a solution for those fires that happen every day in places that are difficult to access. For example, to attack a basement fire means descending through the hottest air layers from the fire. Flashovers and Backdrafts are real dangers to every fire fighter. The DSPA-5 will knock the flames down in seconds and significantly reduce the temperature.

A shortage of water often causes difficult logistical problems, especially when fighting large fires. Crucial time is often lost. The DSPA-5 knocks down the fire, flames are gone and only a small quantity of water is needed to extinguish even a fully developed fire.



The usage of DSPA-5
step by step...

1



Size
The DSPA-5 is small, light and fits perfectly on any intervention vehicle.

2



Assess and decide...
Make sure you have a clear picture of the situation and decide, based upon the given criteria, to deploy the DSPA-5.

3



Activation of the DSPA-5
Pull the pin out and throw the DSPA-5 directly inside. The DSPA-5 doesn't have to be deployed into the seat of the fire.

4



Aerosol
The extinguishing substance of DSPA is aerosol. Aerosol acts similar to gas, so it will expand volumetrically and reach even the most difficult places.

5



Close off the compartment
Close off the fire room, so the aerosol is contained. If the room is properly closed, the aerosol will be more effective.

6



Effect & Aftermath
After 30 to 60 seconds the fire is knocked down. The flames are gone and it's safe to enter the room. Overhaul and look for hot spots with a thermal imaging camera. Extinguish these with water or foam.

The advantages

DSPA-5...
- Can be deployed quickly and easily
- Knocks the fire down, flames are gone within seconds
- Prevents flashovers and backdrafts
- Saves crucial time & money
- Increases the safety of fire fighters considerably



DSPA-5...
- Does not deplete oxygen levels
- Is friendly to the environment
- Is harmless to humans and animals
- Does not cause any overpressure

Exploding

Although the DSPA-5 is activated and deployed similar to that of a grenade, the product does not explode. In fact it doesn't add any significant pressure to the room.

"As soon as we popped the DSPA-5 in there, we saw the aerosol fill the room and the visible flames ceased"
Chief DiCola, Neshannock Fire Department

"After minutes the temperature had reduced quite considerably and the fire itself was all but extinguished"
Firefighter Gordon, Staffordshire Fire and Rescue Service (UK), 2010

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