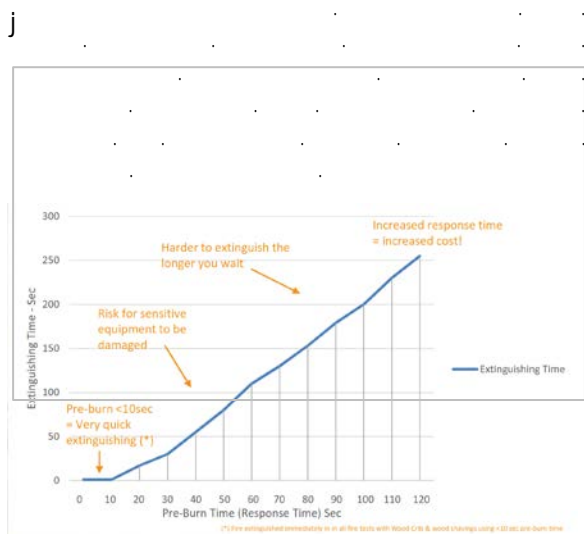


# Firefly esittelee maailman ensimmäisen kolmannen osapuolen hyväksymän nopean sammutusjärjestelmän

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## Firefly Quick



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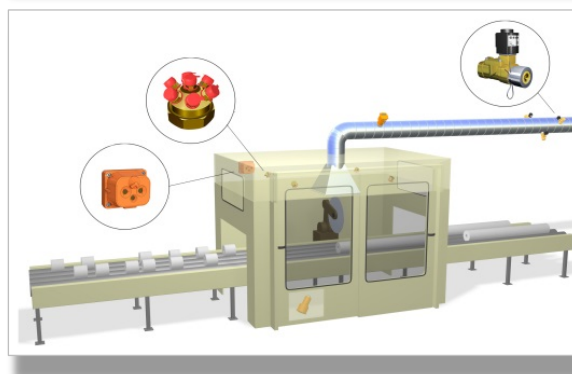
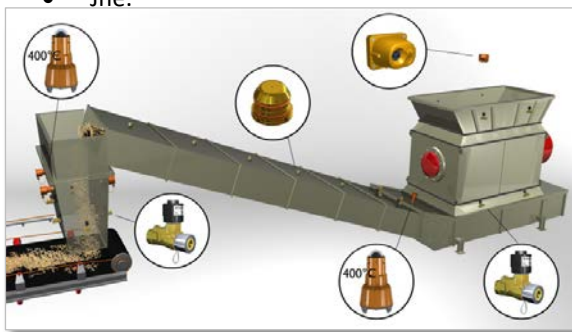
Firefly-vesisummutusjärjestelmällä on merkittäviä liekinsammutusominaisuuksia, jotka käyttävät erittäin pieniä määriä vettä. Hydraulijärjestelmän ainutlaatuinen rakenne mahdollistaa järjestelmän erittäin nopean vasteajan.

Fireflyn Quick sammutusjärjestelmän vasteaika on yleensä 1-3 sekuntia. Erikoissovellusten avulla on mahdollista saavuttaa jopa lyhyempi vasteaika.

Fireflyn Quick-sammutusjärjestelmä käyttää samaa ohjauspaneelia kuin kipinätunnistusjärjestelmä, joten nämä kaksi järjestelmää voidaan integroida helposti yhdistämällä ennaltaehkäisy ja suojaus optimaalisen järjestelmän toiminnallisuuden saavuttamiseksi.

### Firefly Quick-sammutusjärjestelmän käyttöesimerkit:

- Pehmopaperikoneet
- Jalostuskoneet
- Infrapunakuivainten suojaus paperikoneissa
- Höyläkoneet
- Levypuristimet
- Öljypumpputilat
- Murskaimet
- Kuljettimet
- Lastaus- ja purkualueet
- Muuntajat
- Turbiinit
- Jyrsintilan suojaus
- Jne.



### Quick-sammutusjärjestelmien testiprotokolla

The test protocol for Quick Suppression Systems is called '**DFL TM170307-1261** – Quick Suppression

*Systems for certain high-risk areas typically found in industry applications*'. It has been developed by DFL, an ISO/IEC 17025 certified test facility, accredited to conduct full scale fire-tests.

This test protocol is based on CEN/TS 14972:2011, Appendix B, with full fire tests for both solid fuels and liquid fuels. It has very strict requirements on the maximum accepted extinguishing times and it covers the complete system with detection, extinguishing and control system. The test protocol also specifies the maximum allowed response time ('Complete System Response Time') as short as 5 seconds on most tests.

The test protocol specifies a pre-burn time of 1 minute, with heptane, to be used for all fire tests. This is to test the system at "worst-case scenarios" and make sure that the fire is deeply developed before extinguishing action is started. In reality the extinguishing action is activated in just a few seconds with a Quick Suppression System, which will make it easier to extinguish a fire.

All this together makes the DFL TM170307-1261 a very conservative and a highly demanding test protocol.



The test protocol includes 9 different test series for different applications as well as comparison test with other fuels and response tests of the system, to verify the Complete System Response Time.

The test protocol also requires that the installation of a Quick Suppression System must be preceded by a Risk Assessment of the application.

### Firefly – The world's first third party approved Quick Suppression System

In April 2017 – Firefly performed tests according to DFL test method no. DFL TM170307-1261. The tests were conducted at DFL, an ISO/IEC 17025 certified test facility and witnessed by several insurance companies.

During the tests in April Firefly did fire tests in test series 1,2,4,5,8 and 9 and all tests were successfully performed and approved.