

CERTIFICATIONS & TECHNOLOGY

EXPLANATION OF TECHNOLOGY AND CERTIFICATION



The MAUS™ Xtin-series and the MAUS™ Stixx-series uses a brand new innovative technology to extinguish fires. Since there are only conventional standards covering technologies such as foam, powder and CO2 we have to find other ways to certify our technology.

CERTIFICATIONS

MAUS Xtin-series (PGA Fire Extinguishers)

- CE - Reg no: HPiVS/P1002-112-I-01
- RINA (www.rina.org) - Reg no: FPE255612CS/001
- EU Type Certification no. According to Module B (www.bam.de) Reg no: 0589-P1-1182



MAUS Stixx-series (MAUS Stixx and MAUS Stixx PRO)

- EU Type Certification no. According to Module B (www.bam.de) Reg no: 0589-P1-1276
EN 16263 series from 2015. Directive 2013/29/EU of the European Parliament. EN 16263-1 - EN 16263-5).
- CE certification for Module E was completed in November 2021.



FIRE CLASSES

MAUS Xtin Klein – 8BC

Tests conducted by RINA.

MAUS Xtin Grand – 21BC

Tests conducted by RINA.

MAUS Stixx-series

All types of fires excluding burning metal and burning ember.

1 x MAUS Stixx or MAUS Stixx Pro can protect up to 0,1 m³.



MAUS is a member of NFPA and SVEBRA. MAUS won "Bästa Elnyhet 2021" (Best Electric Innovation) with MAUS Stixx Pro at Elmässan. And MAUS Xtin Klein won innovation of the year at Secours Expo 2021.

EN3-7 & UL

As long as there is no standard for "potassium" we cannot become an "fire extinguisher" according to the standard EN3-7. Only powder, foam or CO2 are agents that can be tested against the EN3-7 standard. Where there is legislation or demands from insurance companies to have an EN3-7 approved fire extinguisher you should always recommend to have our technology as the first response unit in order to save time and money. Where there is no rule or law we are installing our MAUS products as standard.

THE TECHNOLOGY - THE POTASSIUM INNOVATION

The solid substance in MAUS Stixx consists mainly of a potassium compound. Potassium radicals are very active and they interrupt the chemical combustion reactions by neutralizing hydrogen, oxygen and hydroxide radicals in the flame. Due to the fact that aerosols consist of very small particles in a gas, the result is a more effective extinguishing agent than conventional powder. Another important feature of aerosols is that the dropping velocity of the particles decreases with a smaller diameter as the surface becomes large in relation to the mass, which makes the air resistance relatively large in relation to the gravitational force. This results in that particles stay suspended for a longer time and contributes to a longer inerting time and creates a re-ignition protection. Together, these factors make PGA a very effective extinguishing agent. The extinguishing effect per unit of weight is in the range 3-10 times more efficient than Halon. Source: MSB.se (Swedish Civil Contingencies Agency)

ANDREAS C. NORLIN | CEO & FOUNDER OF MAUS™

MAUS™ is a registered trademark of Falkenheim Invest AB. Since 2015 MAUS™ decontamination-free fire protection concept has become part of the equipment of customers such as: PostNord (Swedish Postal Service), the Swedish Police, the Swedish National Bomb Protection, Anticimex, Swedish Match, the Swedish Enforcement Agency, Sandvik, Stora Enso etc. Falkenheim Invest AB has its headquarters in Lidköping, Sweden.