MINIMAX
Experts in fire protection

# **eProp:** the VdS-approved proportioning system for low- to high-viscosity foam extinguishing agents

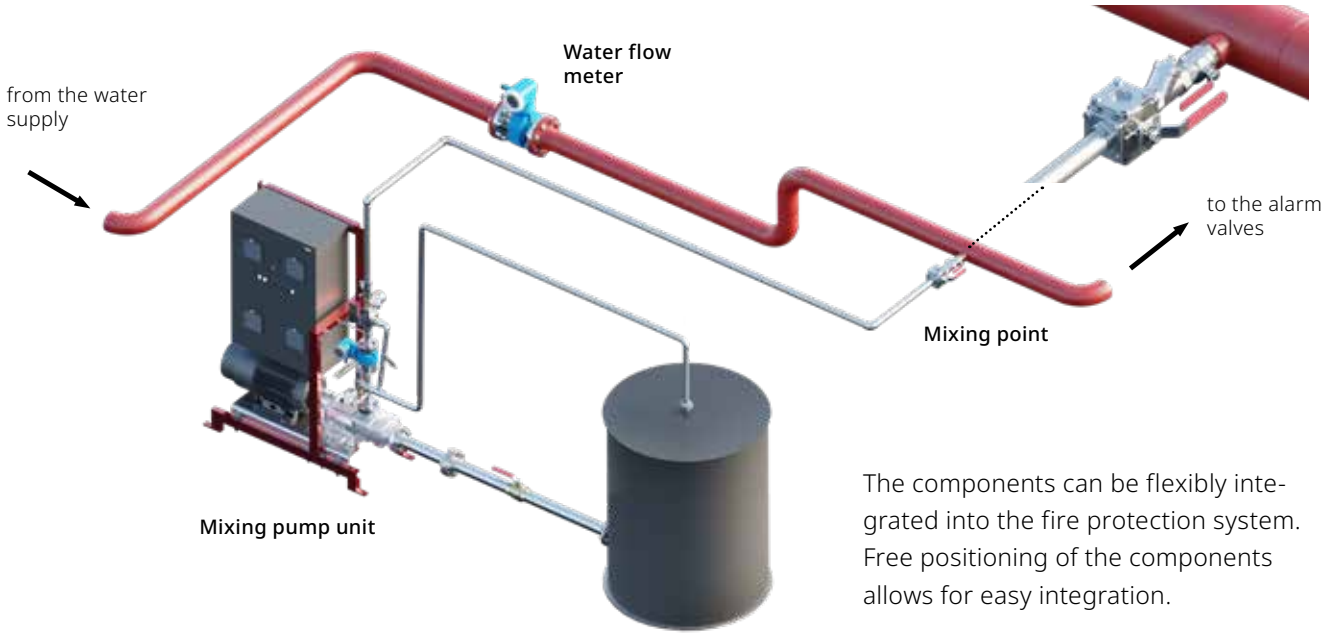
The ban on PFAS-containing extinguishing agents requires the retrofitting of existing systems. Fluorine-free foam extinguishing agents (F3) exhibit a wide range of flow properties and place high demands on proportioning technology. eProp was specifically developed for high-viscosity foam extinguishing agents and ensures stable and precise operation at any viscosity. eProp is tested and certified as a system for all VdS-approved foam extinguishing agents.

## Precise proportioning. For all foam extinguishing agents.

- **PFAS-free compatible**
  Optimized for fluorine-free foam extinguishing agents (F3) – future-proof and compliant with current and upcoming standards.
- **Precise dosing**
  Maximum precision during mixing – ensures extinguishing performance and reliably meets insurance requirements, even with fluctuating back pressure, temperature and viscosity.
- **Testing without consumption**
  Flow rate can be tested at any time – without consuming water or foam extinguishing agent and without interfering with system operation – thanks to an integrated testing device.
- **Easy integration**
  Compact design and flexible positioning of the system components facilitate integration into the fire protection system in both new and existing buildings.
- **Maximum flow rate without pressure loss**
  Full performance for large systems – enables smaller pumps and reduced pipe sizes.
- **VdS-approved**
  Proportioning system with VdS-approval for water-like, highly viscous, and thixotropic foam extinguishing agents.

VdS

# **Flexible integration** in new and existing systems




The components can be flexibly integrated into the fire protection system. Free positioning of the components allows for easy integration.

## New foam extinguishing agents. **New requirements.**

- **PFAS ban:** fluorinated foam extinguishing agents must be replaced and existing systems increasingly be converted to fluorine-free alternatives (F3)
- **Fluorine-free foam extinguishing agents (F3):** often more viscous and with altered flow properties
- **Structural viscosity (for F3):** viscosity changes with flow
- **Thixotropy (for F3):** becomes more fluid when agitated and viscous again when at rest

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» **Solution: eProp** – Precise and reliable dosing – even with significantly varying properties of the foam extinguishing agents

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|---|---|
| Maximum back pressure (in the fire protection system) | 218 psi |
| Temperature range | + 41 °F up to + 104 °F |
| Mixing ratio | 1% to 6% |
| Total flow rate of the fire protection system (water + foam extinguishing agent) | at 1% mixing ratio: max. 7,560 gal/min<br>at 3% mixing ratio: max. 4,755 gal/min<br>at 6% mixing ratio: max. 2,378 gal/min |
| Material (of components in contact with foam extinguishing agent) | Stainless steel |

The VdS approval applies to the eProp proportioning system from Minimax Fire Solutions International GmbH within the specified scope of application.
FL46e/06.26/LB - Printed in Germany - Technical details subject to change