Efficient cleaning for foam transition from AFFF to F3 (fluorine-free)

Cleaning of concentrate and premix firefighting systems for a safe transition to fluorine-free systems

Industrial cleaning of PFAS-contaminated foam concentrate tanks, premix systems, and extensive firefighting systems at jetties, in industrial productions such as the gas and oil industry, chemical industry, airports, and ports is **essential to eliminate hazardous residues and ensure the performance of the new fluorine-free foam (F3)**.

The **transition** from PFAS-containing firefighting foams (AFFF) to fluorine-free alternatives (F3) **requires thorough cleaning** of existing firefighting systems **to effectively remove hazardous residues** and prevent recontamination of the new foam. Our **innovative cleaning concept combines** the mechanical cleaning method **comprex®** with the highly effective solvent **Fluorofighter**, specifically developed for the removal of PFAS residues.

Benefits:

- Efficient, sustainable cleaning with minimal liquid usage – for small and large systems.
- Specially trained cleaning experts who confidently manage technical complexity.
- Short downtimes through careful planning and swift execution – with the highest focus on safety and environmental protection.

For more info click here

Methodology:

- **Two-stage cleaning process:**
  1. **Pre-cleaning:**
     Removal of residual concentrate and coarse contaminants such as deposits or dried foam residues.
  2. **DeepClean:**
     Intensive chemical cleaning with heated Fluorofighter and the comprex® method for thorough PFAS residue removal.

Technology/unique features:

- **Effective removal of PFAS residues** without complex disassembly of the piping network
- **Maximum cleaning performance** through increased turbulence and shear forces
- **Resource-efficient implementation** by adapting the technology to the existing contamination

Conclusion:

Our method provides a reliable solution for cleaning PFAS-contaminated fire-fighting systems and supports companies in safely and efficiently transitioning to fluorine-free foam extinguishing agents.

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