



TECHNICAL DATA

FOAM CONCENTRATE GENERAL CARE USER MANUAL

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1. DESCRIPTION

This manual is a guide for the use of the following products when used as part of an FM Approved or UL Listed foam system:

- Viking ARK SFFF

2. STORAGE AND HANDLING

2.1 Store concentrate in a suitable tempered area out of direct sunlight

2.2 Store in original packaging or in a bladder tank that is UL Listed, shown in the FM Approval Guide or in a suitable storage tank made of:

- Concentrate compatible glass fiber reinforced plastic
- High density polyethylene tanks
- Stainless steel SS316L, SS316, SS304 or equivalent

The tanks shall be marked with foam concentrate product name, date of filling, total volume and the foam concentrate batch number to ensure future traceability.

2.3 Transfer of the concentrate from one storage vessel to another shall be done with a clean suitable pump and non-collapsible hoses. The transfer shall be done in such a way that minimal foaming takes place and that no air is drawn into the product during the pumping process. Use a positive displacement pump (gear, lobe, or membrane) for pumping of pseudo plastic foam concentrate.

2.4 Study the product SDS before handling. Always use safety glasses and suitable gloves when handling the concentrate. Spilled concentrate shall be handled according to local regulations.



3. COMPATIBLE MATERIALS

3.1 Storage Tanks:

- Bladder tanks as described in the FM Approval Guide or UL Listing
- High density polyethylene tanks
- Tanks made of stainless steel SS316L, SS316, SS304 or equivalent

3.2 Concentrate Pipes:

- Stainless steel SS316L, SS316, SS304
- Appropriate brass pipes approved for use in fire systems

4. FOAM SYSTEM DESIGN

4.1 The foam concentrate shall only be used with proportioning and discharge devices as shown in the FM Approval Guide or UL Listing. The system design, installation, operation, and maintenance shall be done according to the appropriate data sheets from Viking, NFPA Standards, FM Global Property Loss Prevention Data Sheets and other relevant local standards.

5. INSPECTION/TESTING/ MAINTENANCE

5.1 The foam concentrate should be tested annually. Refer to respective requirements, according to the relevant standards for Inspection, Testing and Maintenance. If applicable, refer to FM Global Property Loss Prevention Datasheet 4-12 for specific test and commissioning criteria. In addition, the "Authority Having Jurisdiction" (AHJ) may have additional maintenance, testing and inspection requirements that must be followed.

6. NEVER MIX WITH CONCENTRATE OF ANOTHER BRAND.