

## Low-expansion Foam Liquid Concentrate Viking USP

File Number: EX27255

### COMPANY

#### Viking Corp

5150 BELTWAY DR SE  
CALEDONIA, MI 49316 United States

### LOW-EXPANSION FOAM LIQUID CONCENTRATE INFO

Viking USP FOR FRESH WATER ONLY  
Synthetic Fluorine Free Foam (SFFF)

#### FOAM CONCENTRATES FOR USE WITH THE FOLLOWING EQUIPMENT

##### Minimum Storage and Use Temperature

+35 F (1.7 C)

### GENERAL

#### Hydrocarbon Fuels, percent

3

### PROPORTIONERS - FIXED IN-LINE INDUCTORS

Manufacturer and Model	Use Concentration, percent	Size, in.	Orifice Diameter, in.	Inlet Pressure, psig	Back Pressure, psig
Viking Model, FE 60	3	1-1/2	0.197	100	51

### PROPORTIONERS-BLADDER TANKS WITH CONTROLLERS

Manufacturer and Model	Use Concentration, percent	Controller Size, in.	Orifice Diameter, in.	Flow Rate, gpm
Viking Corp, Model VFT bladder tanks with Model VRC Controller	3	4	0.513	420-1515

**PROPORTIONERS-BLADDER TANKS WITH CONTROLLERS**

<b>Manufacturer and Model</b>	<b>Use Concentration, percent</b>	<b>Controller Size, in.</b>	<b>Orifice Diameter, in.</b>	<b>Flow Rate, gpm</b>
Viking Corp, Model VFT bladder tanks with Model VRC Controller	3	6	0.738	990-2670
Viking Corp, Model VFT bladder tanks with Model VRC Controller	3	8	1.009	2000-5050

**PROPORTIONERS-BALANCED PRESSURE VALVES WITH CONTROLLERS**

<b>Manufacturer and Model</b>	<b>Use Concentration, percent</b>	<b>Balanced Pressure Valve Size, in.</b>	<b>Controller Size, in.</b>	<b>Orifice Diameter, in.</b>	<b>Flow Rate, gpm</b>
Viking Corp, Model VLF	3		6	0.737	1512-2740
Viking Corp, Model VLF	3		8	0.952	2330-4130

**FOAM MONITORS**

<b>Manufacturer and Model</b>	<b>Nozzle Model</b>	<b>Nozzle Type</b>	<b>Nozzle Inlet Pressure, psig</b>	<b>Solution Flow, gpm</b>
VIKING CORP, Model VMT 2.5"	VNN/250	Nonoscillating	100	250
VIKING CORP, Model VMT 2.5"	VNN/250	Non-self-inducting	100	250
VIKING CORP, Model VMT 2.5"	VNN/350	Nonoscillating	100	350
VIKING CORP, Model VMT 2.5"	VNN/350	Non-self-inducting	100	350
VIKING CORP, Model VMT 2.5"	KNN/500	Nonoscillating	100	500
VIKING CORP, Model VMT 2.5" VSO	VNN/500	Non-self-inducting	100	500
VIKING CORP, Model VMT 2.5" VSO	VNN/250	Oscillating	100	250
VIKING CORP, Model VMT 2.5" VSO	VNN/250	Non-self-inducting	100	250
VIKING CORP, Model VMT 2.5" VSO	VNN/350	Oscillating	100	350
VIKING CORP, Model VMT 2.5" VSO	VNN/350	Non-self-inducting	100	350

**FOAM MONITORS**

Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm
VIKING CORP, Model VMT 2.5" VSO	VNN/500	Oscillating	100	500
VIKING CORP, Model VMT 2.5" VSO	VNN/500	Non-self-inducting	100	500

**FIXED FOAM DISCHARGE OUTLETS**

Manufacturer and Model	Fuel	Inlet Pressure, psig	Flow Range, gpm	Orifice Diameter, in.	Min Design Application Density, gpm/sq ft
VIKING CORP, Model VFC 3"	Hydrocarbons	45-125	292-486	0.906-1.531	
VIKING CORP, Model VFC 2.5"	Hydrocarbons	40-125	60-106	0.632-0.720	
VIKING CORP, Model VFC 2.5"	Hydrocarbons	40	130	1.05	

**SPRINKLERS**

Manufacturer and Model	Fuel	Style	Min Design Application Density, gpm/sq ft	Minimum Inlet Pressure, psig
Viking Corp, SIN VK2001, K-Factor 8.0 (3/4 in)	Hydrocarbons	Upright	0.22	7.0
Viking Corp, SIN VK1021, VK3021, K-Factor 5.6 (3/4 in)	Hydrocarbons	Pendent	0.16	7.0
Viking Corp, SIN VK1021, VK3021, K-Factor 5.6 (3/4 in)	Jet A-1	Pendent	0.16	7.0
Viking Corp, SIN VK2021	Hydrocarbons	Pendent	0.22	7.0
Viking Corp, SIN VK377, VK536, K-Factor 11.2 (3/4 in)	Hydrocarbons	Pendent	0.32	7.0
Viking Corp, SIN VK530, VK531, VK533, K-Factor 11.2 (3/4 in)	Hydrocarbons	Upright	0.32	7.0
Viking Corp, SIN VK1001, VK3001, K-Factor 5.6 (1/2 in)	Hydrocarbons	Upright	0.16	7.0

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