

Low-expansion Foam Liquid Concentrate BT ECOPLUS AR-AFFF 3X3 C6

File Number: EX29980

COMPANY

Blazetech Systems Ltd

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LOW-EXPANSION FOAM LIQUID CONCENTRATE INFO

BT ECOPLUS AR-AFFF 3X3 C6

Alcohol Resistant Aqueous Film Forming Foam (AR-AFFF)

FOAM CONCENTRATES FOR USE WITH THE FOLLOWING EQUIPMENT

Minimum Storage and Use Temperature

+35 F (1.7 C)

GENERAL

Hydrocarbon Fuels, percent

3

GENERAL

Polar Solvent Fuels, percent

3

PROPORTIONERS - PORTABLE IN-LINE INDUCTORS

Manufacturer and Model	Use Concentration, percent	Size, in.	Orifice Diameter/Setting	Inlet Pressure, psig	Length and Diameter of hose	Discharge Device Manufacturer and Model
Angus Fire Ltd, Model UNI225	3	2-1/2	set at 3AR	156	98 ft of 2-1/2	Angus Fire Ltd, Model F225U nozzle.
Angus Fire Ltd, Model 225U,	3	2-1/2	set at 3AR	168	98 ft of 2-1/2	Angus Fire Ltd, Model F225U nozzle.

PROPORTIONERS – FIXED IN-LINE INDUCTORS					
Manufacturer and Model	Use Concentration, percent	Size, in.	Orifice Diameter, in.	Inlet Pressure, psig	Back Presssure, psig
Angus Fire Ltd, Model IND-40	3	1-1/2	0.19	119	43
Angus Fire Ltd, Model IND-40	3	1-1/2	0.19	125	42

PROPORTIONERS-BLADDER TANKS WITH CONTROLLERS				
Manufacturer and Model	Use Concentration, percent	Controller Size, in.	Orifice Diameter, in.	Flow Rate, gpm
Firetech Equipment & Systems Private Limited	3	2	0.28	141-270
Firetech Equipment & Systems Private Limited	3	3	0.42	267-828
Firetech Equipment & Systems Private Limited	3	4	0.52	442-1533
Firetech Equipment & Systems Private Limited	3	6	0.82	1105-2827
Firetech Equipment & Systems Private Limited	3	8	1.30	2801-3752
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S	3	2	0.275	92-330
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S	3	3	0.455	182-814
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S	3	4	0.585	357-1538
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S	3	6	0.886	859-2753
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S	3	8	1.574	1612-4483
INTERNATIONAL SECURITY & SAFETY CO-SAE bladder tanks, FIRE SAFETY DEVICES PVT. LTD Ratio Controllers.	3	2	0.275	92-330
INTERNATIONAL SECURITY & SAFETY CO-SAE bladder tanks, FIRE SAFETY DEVICES PVT. LTD Ratio Controllers.	3	3	0.455	182-814
INTERNATIONAL SECURITY & SAFETY CO-SAE bladder tanks, FIRE SAFETY DEVICES PVT. LTD Ratio Controllers.	3	4	0.585	357-1538

NOZZLES			
Manufacturer and Model	Size, in.	Inlet Pressure, psig	Fuel
Angus Fire Ltd, Model F225U	2-1/2	94	--
Angus Fire Ltd, Model F225U	2-1/2	85	--

FIXED FOAM DISCHARGE NOZZLES					
Manufacturer and Model	Fuel	Discharge Angle, Deg	Discharge Coefficient, K	Min Design Application Density, gpm/sq ft	Inlet Pressure, psig
FLUID PUMPS & EQUIPMENT INDIA PVT LTD, Model F226	Hydrocarbons	140	43	0.27	35
FLUID PUMPS & EQUIPMENT INDIA PVT LTD, Model F226	Alcohol	140	43	0.27	35
FLUID PUMPS & EQUIPMENT INDIA PVT LTD, Model F226	Hydrocarbons	140	79	0.27	10
FLUID PUMPS & EQUIPMENT INDIA PVT LTD, Model F226	Alcohol	140	79	0.27	10

FIXED FOAM DISCHARGE OUTLETS					
Manufacturer and Model	Fuel	Inlet Pressure, psig	Flow Range, gpm	Orifice Diameter, in.	Min Design Application Density, gpm/sq ft
Angus Fire Ltd, Model TPS-50MKV	Alcohol	43		0.59	0.10
Angus Fire Ltd, Model TPS-50MKV	Methyl Alcohol	43		0.59	0.10
Angus Fire Ltd, Model TPS-50MKV	Ethyl Alcohol	43		0.59	0.10
Firetech Equipment & Systems Private Ltd, Model FCA, FCA-S	Alcohol	30 – 40		0.40 – 0.55	0.10
Firetech Equipment & Systems Private Ltd, Model-FCA, FCA-S	Alcohol	30 – 70	18-27	0.402	0.16
Firetech Equipment & Systems Private Ltd, Model-FCA, FCA-S	Alcohol	40 – 100		0.40 – 0.70	0.10
Firetech Equipment & Systems Private Ltd, Model-FCA, FCA-S	Alcohol	100	32	0.402	0.36
Firetech Equipment & Systems Private Ltd, Model-FCB, FCB-S	Alcohol	30 – 100		0.70 – 0.98	0.10

FIXED FOAM DISCHARGE OUTLETS					
Manufacturer and Model	Fuel	Inlet Pressure, psig	Flow Range, gpm	Orifice Diameter, in.	Min Design Application Density, gpm/sq ft
Firetech Equipment & Systems Private Ltd, Model-FCC, FCC-S	Alcohol	30 – 100		0.98 – 1.38	0.10
Firetech Equipment & Systems Private Ltd, Model-FCD, FCD-S	Alcohol	30 – 100		1.38 – 1.92	0.10
Firetech Equipment & Systems Private Ltd, Model-FMA, FMA-S	Alcohol	30 – 100		0.40 – 0.70	0.10
Firetech Equipment & Systems Private Ltd, Model-FMB, FMB-S	Alcohol	30 – 100		0.70 – 0.98	0.10
Firetech Equipment & Systems Private Ltd, Model-FMC, FMC-S	Alcohol	30 – 100		0.98 – 1.38	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 2.5	Alcohol	40 – 100	68 – 176	0.746 – 0.974	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 3	Alcohol	40 – 100	106 – 292	0.951 – 1.274	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 4	Alcohol	40 – 100	192 – 586	1.262 – 1.870	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 6	Alcohol	40 – 100	543 – 1186	2.169 – 2.447	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FM-1.5	Alcohol	30 – 150	8 – 172	0.258 – 0.880	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FM-2.5	Alcohol	30 – 150	31 – 196	0.546 – 0.994	0.10
FOAM WATER SPRINKLERS					
Manufacturer and Model		Fuel	Style	Minimum Pressure, psig	
TYCO FIRE & BUILDING PRODUCTS, Model B-1		Alcohol	pendent	30	
TYCO FIRE & BUILDING PRODUCTS, Model B-1		Hydrocarbons	pendent	30	

SPRINKLERS

Manufacturer and Model	Fuel	Style	Min Design Application Density, gpm/sq ft	Minimum Inlet Pressure, psig
TYCO FIRE & BUILDING PRODUCTS, SIN TY3151, K-Factor 5.6 (1/2)	Hydrocarbons	Upright	0.16	7
TYCO FIRE & BUILDING PRODUCTS, SIN TY3151, K-Factor 5.6 (1/2)	Alcohol	Upright	0.16	7

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