

Low-expansion Foam Liquid Concentrate

BT AFFF 3% C6

File Number: EX29980

COMPANY

Blazetech Systems Ltd
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Milton Keynes, MK9 1FH United Kingdom

LOW-EXPANSION FOAM LIQUID CONCENTRATE INFO

BT AFFF 3% C6
Aqueous Film Forming Foam (AFFF)

FOAM CONCENTRATES FOR USE WITH THE FOLLOWING EQUIPMENT

Minimum Storage and Use Temperature

+35 F (1.7 C)

GENERAL

Hydrocarbon 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 3	149	98 ft of 2-1/2	ANGUS FIRE LTD Model F225U nozzle.
ANGUS FIRE LTD, Model UNI225	3	2-1/2	set at 3	156	98 ft of 2-1/2	ANGUS FIRE LTD Model F225U nozzle.
NEWAGE FIRE FIGHTING CO LTD, Model NewAge-ILI-225-F	3	2	0.14	100	50ft of 2-1/2	NEWAGE FIRE FIGHTING CO LTD, Model NewAge-FB-225 nozzle.
NEWAGE FIRE FIGHTING CO LTD,	3	2	0.21	100	50ft of 2-1/2	NEWAGE FIRE FIGHTING CO LTD,

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
Model NewAge-ILI-450-F						Model NewAge-FB-450 nozzle.

PROPORTIONERS – FIXED IN-LINE INDUCTORS						
Manufacturer and Model	Use Concentration, percent		Size, in.	Orifice Diameter, in.	Inlet Pressure, psig	Back Presssure, psig
Angus, Model IND-40	3		1-1/2	0.13	123	43

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	21 – 264
Firetech Equipment & Systems Private Limited		3	3	0.42	56 – 802
Firetech Equipment & Systems Private Limited		3	4	0.52	114 – 1623
Firetech Equipment & Systems Private Limited		3	6	0.82	267 – 2930
Firetech Equipment & Systems Private Limited		3	8	1.30	872 – 3826
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S		3	2	0.264	37-312
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S		3	3	0.401	71-822
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S		3	4	0.505	201-1538
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S		3	6	0.785	433-3058
FIRE SAFETY DEVICES PVT LTD and Models FRC-B, – S, and WRC-B, –S		3	8	1.017	762-4500
INTERNATIONAL SECURITY & SAFETY CO-SAE bladder tanks, FIRE SAFETY DEVICES PVT LTD. Ratio Controllers		3	2	0.264	37-312

PROPORTIONERS-BLADDER TANKS WITH CONTROLLERS

Manufacturer and Model	Use Concentration, percent	Controller Size, in.	Orifice Diameter, in.	Flow Rate, gpm
INTERNATIONAL SECURITY & SAFETY CO-SAE bladder tanks, FIRE SAFETY DEVICES PVT LTD. Ratio Controllers	3	3	0.401	71-822
INTERNATIONAL SECURITY & SAFETY CO-SAE bladder tanks, FIRE SAFETY DEVICES PVT LTD. Ratio Controllers	3	4	0.505	201-1538

PROPORTIONERS-BALANCED PRESSURE VALVES WITH CONTROLLERS

Manufacturer and Model	Use Concentration, percent	Balanced Pressure Valve Size, in.	Controller Size, in.	Orifice Diameter, in.	Flow Rate, gpm
FIRETECH EQUIPMENT & SYSTEMS PVT LTD, Model ILBP-65	3		2-1/2	0.29	87-534
FIRETECH EQUIPMENT & SYSTEMS PVT LTD, Model ILBP-80	3		3	0.43	153-854
FIRETECH EQUIPMENT & SYSTEMS PVT LTD, Model ILBP-100	3		4	0.62	417-2039
FIRETECH EQUIPMENT & SYSTEMS PVT LTD, Model ILBP-150	3		6	0.74	674-2837
NEWAGE FIRE FIGHTING CO LTD, NFF-RCW-S-50, NFF-RCW-B-50.	3		2	0.16	34-284
NEWAGE FIRE FIGHTING CO LTD, NFF-RCW-S-80, NFF-RCW-B-80.	3		3	0.33	132-818
NEWAGE FIRE FIGHTING CO LTD, NFF-RCW-S-100, NFF-RCW-B-100.	3		4	0.47	267-1752
NEWAGE FIRE FIGHTING CO LTD, NFF-RCW-S-150, NFF-RCW-B-150.	3		6	0.69	448-3525
NEWAGE FIRE FIGHTING CO LTD, NFF-RCW-S-200, NFF-RCW-B-200.	3		8	0.93	823-4684

NOZZLES			
Manufacturer and Model	Size, in.	Inlet Pressure, psig	Fuel
ANGUS FIRE LTD Model F225U	2-1/2	85	--
NEWAGE FIRE FIGHTING CO LTD , NewAge-FB-225	2	38	--
NEWAGE FIRE FIGHTING CO LTD , NewAge-FB-450	2-1/2	50	--
Newage Fire Fighting Co Ltd, NewAge FB-V-225-S	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-V-450-S	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-F-225-S	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-F-450-S	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-V-225-A	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-V-450-A	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-F-225-A	2	100	--
Newage Fire Fighting Co Ltd, NewAge FB-F-450-A	2	100	--

FIXED FOAM DISCHARGE NOZZLES					
Manufacturer and Model	Fuel	Discharge Angle, Deg	Discharge Coefficient, K	Min Design Application Density, gpm/sq ft	Inlet Pressure, psig
F226	Hydrocarbons	140	43	0.25	25
F226	Hydrocarbons	140	79	0.27	10

FOAM MONITORS					
Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm	Fuel
NewAge-AFM-1000-750-500GPM	NewAge-AFM-1000-750-500GPM at 500	Self- Inducting	100	500	--
NewAge-AFM-1000-750-500GPM	NewAge-AFM-1000-750-500GPM at 750	Self- Inducting	100	750	--
NewAge-AFM-1000-750-500GPM	NewAge-AFM-1000-750-500GPM at 1000	Self- Inducting	100	1000	--
NewAge-AFM-1000-750-500GPM	NewAge-AFN-1000-750-500GPM at 500	With JRCP Model JRCP-1000-750-500GPM	100	500	--
NewAge-AFM-1000-750-500GPM	NewAge-AFN-1000-750-500GPM at 750	With JRCP Model JRCP-1000-750-500GPM	100	750	--

FOAM MONITORS					
Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm	Fuel
NewAge-AFM-1000-750-500GPM	NewAge-AFN-1000-750-500GPM at 1000	With JRCP Model JRCP-1000-750-500GPM	100	1000	--
NewAge-AFM-2000-1500-1000GPM	NewAge-AFN-2000-1500-1000GPM at 1000	Self-Inducting	100	1000	--
NewAge-AFM-2000-1500-1000GPM	NewAge-AFN-2000-1500-1000GPM at 1500	Self-Inducting	100	1500	--
NewAge-AFM-2000-1500-1000GPM	NewAge-AFN-2000-1500-1000GPM at 2000	Self-Inducting	100	2000	--
NewAge-AFM-2000-1500-1000GPM	NewAge-AFM-2000-1500-1000GPM at 1000	With JRCP Model JRCP-2000-1500-1000GPM	100	1000	--
NewAge-AFM-2000-1500-1000GPM	NewAge-AFN-2000-1500-1000GPM at 1500	With JRCP Model JRCP-2000-1500-1000GPM	100	1500	--
NewAge-AFM-2000-1500-1000GPM	NewAge-AFN-2000-1500-1000GPM at 2000	With JRCP Model JRCP-2000-1500-1000GPM	100	2000	--
NewAge-AFM-4000-3000-2000 GPM	NewAge-AFN-4000-3000-2000 GPM at 2000	(With JRCP Model JRCP-2000-1500 GPM)	100	2000	--
NewAge-AFM-4000-3000-2000 GPM	NewAge-AFN-4000-3000-2000 GPM at 3000	(With JRCP Model JRCP-2000-1500 GPM)	100	3000	--
NewAge-AFM-4000-3000-2000 GPM	NewAge-AFN-4000-3000-2000 GPM at 4000	(With JRCP Model JRCP-2000-1500 PM)	100	4000	--
NewAge-AFM-GT-750 GPM	NewAge-AFN-750 GPM	Self-Inducting	100	750	--
NewAge-AFM-MI-750-GPM	NewAge-AFN-750 GPM	Self-Inducting	100	750	--
NewAge-AFM-GT-750-500 GPM	NewAge-AFN-750-500 GPM at 750	Self-Inducting	100	750	--
NewAge-AFM-GT-750-500 GPM	NewAge-AFN-750-500 GPM at 750	With JRCP model JRCP-750-500 GPM	100	750	--

FOAM MONITORS					
Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm	Fuel
NewAge-AFM-GT-750-500 GPM	NewAge-AFN-750-500 GPM at 500	With JRCP model JRCP-750-500 GPM	100	500	--
NewAge-AFM-GT-500 GPM	NewAge-AFN-500 GPM	Self-Inducting	100	500	--
NewAge-NEWAGE-AFM-MT-1000 GPM	NewAge-AFN-1000 GPM	Self-Inducting	100	1000	--
NewAge-NEWAGE-AFM-MT-1000 GPM	NewAge-AFN-1000 GPM	With JRCP model JRCP-1000 GPM	100	1000	--
NewAge-AFM-MT-750 GPM	NewAge-AFN-750 GPM	Self-Inducting	100	750	--
NewAge-AFM-2000	NewAge-AFN-2000	With JRCP model NewAge-JRCP-2000	100	2000	--
NewAge-AFM-2000	NewAge-AFN-2000	Self-Inducting	100	2000	--
AAAG FM 500	500 GPM	Self-Inducting	100	500	--
Spit Fire – Model 8394-022	CSW-LB F3.5 set at 500 gpm	Self-Inducting	100	500	--
Spit Fire – Model 8394-022	CSW-LB F3.5 set at 750 gpm	Self-Inducting	100	750	--
Spit Fire – Model 8394-022	CSW-LB F3.5 JP1.5 set at 500 gpm	JRCP type proportioner induction	100	500	--
Spit Fire – Model 8394-022	CSW-LB F3.5 JP1.5 set at 750 gpm	JRCP type proportioner induction	100	750	--
Spit Fire – Model 8394-062	CSW-LB F4.0 set at 500 gpm	Self-Inducting	100	500	--
Spit Fire – Model 8394-062	CSW-LB F4.0 set at 750 gpm	Self-Inducting	100	750	--
Spit Fire – Model 8394-062	CSW-LB F4.0 set at 1000 gpm	Self-Inducting	100	1000	--
Spit Fire – Model 8394-062	CSW-LB F4.0 JP1.5 set at 500 gpm	JRCP type proportioner induction	100	500	--
Spit Fire – Model 8394-062	CSW-LB F4.0 JP1.5 set at 750 gpm	JRCP type proportioner induction	100	750	--
Spit Fire – Model 8394-062	CSW-LB F4.0 JP1.5 set at 750 gpm	JRCP type proportioner induction	100	750	--

FOAM MONITORS					
Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm	Fuel
Spit Fire – Model 8394-062	CSW-LB F4.0 JP1.5 set at 1000 gpm	JRCP type proportioner induction	100	1000	--
Spit Fire – Model 8394-066	CSW-LB F4.0 set at 500 gpm	Self-Inducting	100	500	--
Spit Fire – Model 8394-066	CSW-LB F4.0 set at 750 gpm	Self-Inducting	100	750	--
Spit Fire – Model 8394-066	CSW-LB F4.0 set at 1000 gpm	Self-Inducting	100	1000	--
Spit Fire – Model 8394-066	CSW-LB F4.0 JP1.5 set at 500 gpm	JRCP type proportioner induction	100	500	--
Spit Fire – Model 8394-066	CSW-LB F4.0 JP1.5 set at 750 gpm	JRCP type proportioner induction	100	750	--
Spit Fire – Model 8394-066	CSW-LB F4.0 JP1.5 set at 1000 gpm	JRCP type proportioner induction	100	1000	--
FIRETECH EQUIPMENT & SYSTEMS PRIVATE LTD – HFLR-FM-150	AFM-VF-150 Set at 1000	Nonoscillating, Self-inducting (JRC-VF-65)	100	1000	--
FIRETECH EQUIPMENT & SYSTEMS PRIVATE LTD – HFLR-FM-150	AFM-VF-150 Set at 1500	Nonoscillating, Self-inducting(JRC-VF-65)	100	1500	--
FIRETECH EQUIPMENT & SYSTEMS PRIVATE LTD – HFLR-FM-150	AFM-VF-150 Set at 2000	Nonoscillating, Self-inducting(JRC-VF-65)	100	2000	--
Shootfire-500-750-1000	Aqua Foam Nozzle-O-500-750-1000 set at 500	Nonoscillating, Self-inducting (With JRCP 500-750-1000)	100	500	--
Shootfire-500-750-1000	Aqua Foam Nozzle-O-500-750-1000 set at 750	Nonoscillating, Self-inducting (With JRCP 500-750-1000)	100	750	--
Shootfire-500-750-1000	Aqua Foam Nozzle-O-500-750-1000 set at 1000	Nonoscillating, Self-inducting (With JRCP 500-750-1000)	100	1000	--
Shootfire-1000-1500-2000	Aqua Foam Nozzle-O-1000-1500-2000 set at 1000	Nonoscillating, Self-inducting (With JRCP 1000-1500-2000)	100	1000	--
Shootfire-1000-1500-2000	Aqua Foam Nozzle-O-1000-1500-2000	Nonoscillating, Self-inducting (With JRCP 1000-	100	1500	--

FOAM MONITORS					
Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm	Fuel
	set at 1500	1500-2000)			
Shootfire-1000-1500-2000	Aqua Foam Nozzle-O-1000-1500-2000 set at 2000	Nonoscillating, Self-inducting (With JRCP 1000-1500-2000)	100	2000	--
Shootfire-2000-3000-4000	Aqua Foam Nozzle-O-2000-3000-4000 set at 2000	Nonoscillating, Self-inducting (With JRCP 1000-1500-2000)	100	2000	--
Shootfire-2000-3000-4000	Aqua Foam Nozzle-O-2000-3000-4000 set at 3000	Nonoscillating, Self-inducting (With JRCP 1000-1500-2000)	100	3000	--
Shootfire-2000-3000-4000	Aqua Foam Nozzle-O-2000-3000-4000 set at 4000	Nonoscillating, Self-inducting (With JRCP 1000-1500-2000)	100	4000	--
Shootfire-2000-4000-6000	Aqua Foam Nozzle-O-2000-4000-6000 set at 2000	Nonoscillating, Self-inducting (With JRCP 1000-2000)	100	2000	--
Shootfire-2000-4000-6000	Aqua Foam Nozzle-O-2000-4000-6000 set at 4000	Nonoscillating, Self-inducting (With JRCP 1000-2000)	100	4000	--
Shootfire-2000-4000-6000	Aqua Foam Nozzle-O-2000-4000-6000 set at 6000	Nonoscillating, Self-inducting (With JRCP 1000-2000)	100	6000	--
Shootfire-250-500-750 AL	Aqua Foam Nozzle-250-500-750 set at 250	Nonoscillating, Self-inducting	100	250	--
Shootfire-250-500-750 AL	Aqua Foam Nozzle-250-500-750 set at 500	Nonoscillating, Self-inducting	100	500	--
Shootfire-250-500-750 AL	Aqua Foam Nozzle-250-500-750 set at 750	Nonoscillating, Self-inducting	100	750	--
Shootfire-1000-1500-2000 SELF	Aqua Foam Nozzle-1000-1500-2000 set at 1000	Nonoscillating, Self-inducting	100	1000	--
Shootfire-1000-1500-2000 SELF	Aqua Foam Nozzle-1000-1500-2000 set at 1500	Nonoscillating, Self-inducting	100	1500	--

FOAM MONITORS					
Manufacturer and Model	Nozzle Model	Nozzle Type	Nozzle Inlet Pressure, psig	Solution Flow, gpm	Fuel
Shootfire-1000-1500-2000 SELF	Aqua Foam Nozzle-1000-1500-2000 set at 2000	Nonoscillating, Self-inducting	100	2000	--
Firetech Equipments & Systems Pvt Ltd: HFLR-FM-100	AFM-VF-100:1000-750-500 Set at 500 GPM	Nonoscillating, Self-inducting	100	500	--
Firetech Equipments & Systems Pvt Ltd: HFLR-FM-100	AFM-VF-100:1000-750-500 Set at 750 GPM	Nonoscillating, Self-inducting	100	750	--
Firetech Equipments & Systems Pvt Ltd: HFLR-FM-100	AFM-VF-100:1000-750-500 Set at 1000 GPM	Nonoscillating, Self-inducting	100	1000	--
Firetech Equipments & Systems Pvt Ltd: HFLR-FM-100	AFM-VF-100:1000-750-500 Set at 500 GPM	Nonoscillating, Self-inducting(With JRCP-VF-65A Inductor)	100	500	--
Firetech Equipments & Systems Pvt Ltd: HFLR-FM-100	AFM-VF-100:1000-750-500 Set at 750 GPM	Nonoscillating, Self-inducting(With JRCP-VF-65A Inductor)	100	750	--
Firetech Equipments & Systems Pvt Ltd: HFLR-FM-100	AFM-VF-100:1000-750-500 Set at 1000 GPM	Nonoscillating, Self-inducting(With JRCP-VF-65A Inductor)	100	1000	--
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, Model TPS-50MKV	--	43		0.59	
Firetech Equipment & Systems Private Ltd. Model FCA, FCA-S	--	30-40		0.40 - 0.55	
Firetech Equipment & Systems Private Ltd. Model FCA, FCA-S	--	40-100		0.40 - 0.70	
Firetech Equipment & Systems Private Ltd. Model FCB, FCB-S	--	30-100		0.70 - 0.98	
Firetech Equipment & Systems Private Ltd. Model FCC, FCC-S	--	30-100		0.98 - 1.38	

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 FCD, FCD-S	--	30-100		1.38 - 1.92	
Firetech Equipment & Systems Private Ltd. Model FMA with discharge device FPA, FMA-S with discharge device FPA-S	--	30-100		0.40 - 0.70	
Firetech Equipment & Systems Private Ltd. Model FMB with discharge device FPB, FMB-S with discharge device FPB-S	--	30-100		0.70 - 0.98	
Firetech Equipment & Systems Private Ltd. Model with discharge device FPC, FMC-S with discharge device FPC-S	--	30-100		0.98 - 1.38	
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 2.5	Hydrocarbons	40 - 100	68 - 176	0.746-0.974	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 3	Hydrocarbons	40 - 100	106 - 292	0.951 - 1.274	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 4	Hydrocarbons	40-100	192 - 586	1.262 - 1.870	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FC 6	Hydrocarbons	40 - 100	543 - 1118	2.169 - 2.447	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FM-1.5	Hydrocarbons	30 - 150	8 - 172	0.258 - 0.880	0.10
INTERNATIONAL SECURITY & SAFETY SYSTEMS CO-S A E, Model EGY-FM 2.5	Hydrocarbons	30 - 150	31 - 196	0.546 - 0.994	0.10

FOAM WATER SPRINKLERS			
Manufacturer and Model	Fuel	Style	Minimum Pressure, psig
Tyco Fire , Model B1	Hydrocarbons	Pendant	30

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