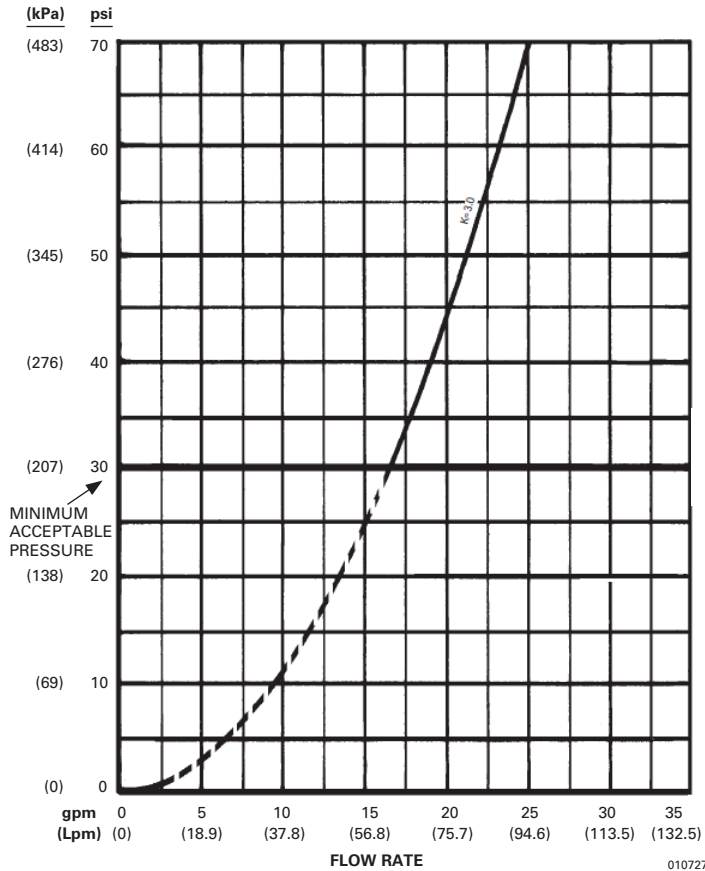


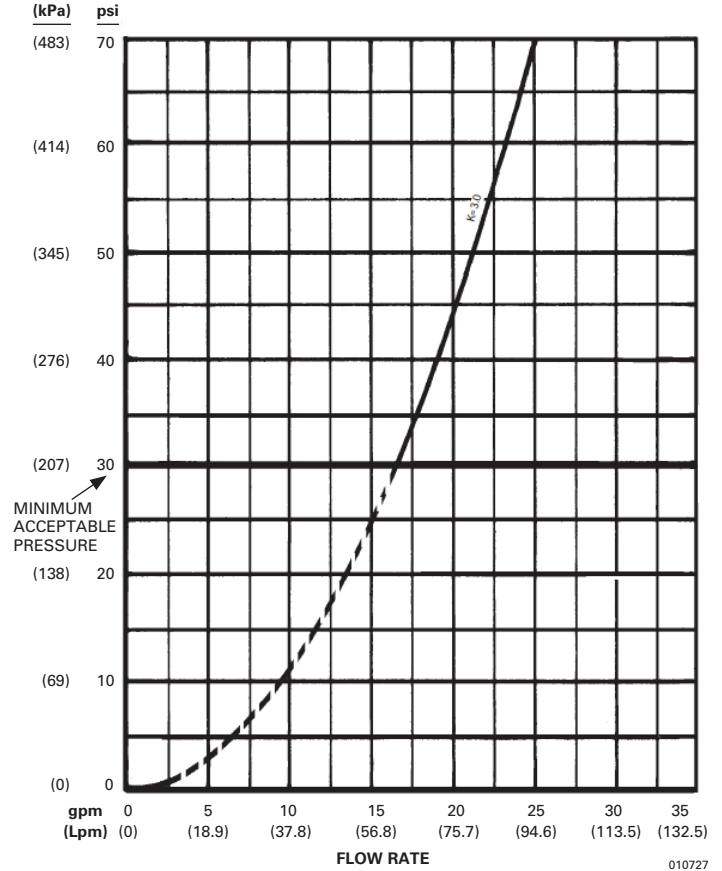
ANSULITE® 3% \times 3% AR-AFFF (A336 USCG) Sprinkler/Nozzle Specific Design Criteria

B1 Foam-Water Sprinklers

DISCHARGE CURVE OF FOAM-WATER SPRINKLER, PENDENT



DISCHARGE CURVE OF FOAM-WATER SPRINKLER, UPRIGHT



Sprinkler Head	Connection	K-Factor	Orientation	Agency Approval	Fuel	Minimum Application Rate		Minimum Inlet Pressure	
						gpm/ft ²	(Lpm/m)	psi	(bar)
Model B1	1/2 in. NPT	3	Upright, Pendent	UL	Hydrocarbons	N/A	N/A	30.0	(2.07)
					Alcohols	N/A	N/A	30.0	(2.07)
					Ethanol	N/A	N/A	30.0	(2.07)
					Ketones	N/A	N/A	30.0	(2.07)

TF Nozzles - TF Foam Head Spray

Description	Hydrocarbons Pressure Range
TF-18 Head	75-125 psi
TF-29 Head	75-125 psi
TF-39 Head	75-125 psi
TF-57 Head	75-125 psi
TF-74 Head	75-125 psi

Sprinkler Listings and Approvals

Refer to the UL Listing Guide or USCG Approved Equipment List for the most current listing information and historic product listings.

Notes:

1. E-85 blend based on 75% Denatured Ethanol / 25% Heptane
2. Sprinklers listed here are those accepted at the time of testing. Sprinkler manufacturers may have additional model designations that use the same body, orifice, and deflector. AHJs may require equivalency documentation from the sprinkler manufacturer for acceptance of models not shown in the published listings.

Sprinkler Head	Connection	K-Factor	Orientation	Agency Approval	Fuel	Minimum Application Rate		Minimum Inlet Pressure	
						gpm/ft ²	(Lpm/m ²)	psi	(bar)
TY313 TY315	1/2 in. NPT	5.6	Upright	UL	Hydrocarbons	0.16	(6.52)	7.0	(0.48)
					Alcohols	0.23	(9.37)	14.7	(1.01)
					Ethanol	0.16	(6.52)	7.0	(0.48)
					Ketones	0.29	(11.81)	24.1	(1.66)
TY323 TY325	1/2 in. NPT	5.6	Pendent	UL	Hydrocarbons	0.16	(6.52)	7.0	(0.48)
					Alcohols	0.23	(9.37)	14.7	(1.01)
					Ethanol	0.16	(6.52)	7.0	(0.48)
					Ketones	0.26	(10.59)	18.4	(1.27)
TY4131 TY4151 TY4851	3/4 in. NPT	8	Upright	UL	Hydrocarbons	0.22	(8.96)	7.0	(0.48)
					Alcohols	0.24	(9.78)	14.7	(1.01)
					Ethanol	0.19	(7.74)	7.0	(0.48)
					Ketones	0.30	(12.22)	12.7	(0.88)
TY4231 TY4251 TY4951	3/4 in. NPT	8	Pendent	UL	Hydrocarbons	0.22	(8.96)	7.0	(0.48)
					Alcohols	0.24	(9.78)	7.9	(1.01)
					Ethanol	0.19	(7.74)	7.0	(0.48)
					Ketones	0.30	(12.22)	12.7	(0.88)
TY5111 TY5131	3/4 in. NPT	11.2	Upright	UL	Hydrocarbons	0.32	(13.04)	7.0	(0.48)
					Alcohols	0.36	(14.67)	9.1	(0.63)
					Ethanol	0.26	(10.59)	7.0	(0.48)
					Ketones	0.35	(14.26)	8.7	(0.60)
TY5211 TY5231	3/4 in. NPT	11.2	Pendent	UL	Hydrocarbons	0.32	(13.04)	7.0	(0.48)
					Alcohols	0.36	(13.85)	7.9	(1.27)
					Ethanol	0.26	(10.59)	7.0	(0.48)
					Ketones	0.35	(14.26)	8.7	(0.60)

Note: The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

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