

Foam Water Sprinklers

Foam water sprinklers are Approved with specific concentrates and at specific application rates. The use of foam water sprinklers with other concentrates or at other application rates may result in foam of significantly different fire extinguishing capabilities and burn back (reignition) resistance. The foam concentrate and discharge device must be Approved for use together, and the concentrates must be proportioned with Approved equipment listed in the Foam Extinguishing Systems section.

Products identified with the **GREEN** symbol have attributes that are considered to be “sustainable” by certain outside organizations. FM Approvals verifies the presence of these attributes. Specific attributes for specific products are listed in the individual listings. To facilitate a search for these products in the Approval Guide, first search by the product type you desire and then refine your search to products with the **GREEN** symbol.

HD Fire Protect Foam Water Sprinklers

Foam water sprinklers for use with HD Fire Protect foam concentrates and bladder tank proportioning systems within the specifications identified in the table below.

Product	Company	Listing Country	Type of Equipment	For Use With				Minimum Solution Application Rate (gal/min/ft ²)	Subsequent Maximum Water Application Rate (L/min/m ²)	Minimum Installation Height		Maximum Installation Height		Finish	Connection	Orientation	K-Factor (US)
				Concentrate Name	Concentrate Percent in Water	Configurations	Approved Fuel Hazards			(ft-in)	(m)	(ft-in)	(m)				
Model F1 and H Foam Water Sprinklers	HD Fire Protect Pvt. Ltd.	India	Deluge Foam Water Sprinkler	HD AFFF 3F-C6	3%	For use with HD Fire Protect bladder tanks and ratio controllers as appear in the FM Approval Guide only.	Hydrocarbon	0.3	0.3	8-9	2.7	12-6	3.8	Stainless Steel (F1) or Bronze (H)	1/2" BSP or NPT	Pendent	2.9
				HD AR-AFFF 3x3-C6	3%		Hydrocarbon	0.3	0.3	4-6	1.4	12-6	3.8				
							IPA	0.3	NA	4-6	1.4	12-6	3.8				
							Ethanol	0.3	NA	4-6	1.4	12-6	3.8				
Model HD101 and HD201 Foam Water Sprinklers	HD Fire Protect Pvt. Ltd.	India	Automatic Foam Water Sprinkler	HD AFFF 3F-C6	3%	For use with HD Fire Protect bladder tanks and ratio controllers as appear in the FM Approval Guide only.	Hydrocarbon	0.3	0.3	9-1	2.8	12-10	3.9	Brass, Chrome Plated, or White Painted	1/2" BSP or NPT	Pendent	5.6
				HD AR-AFFF 3x3-C6	3%		Hydrocarbon	0.3	0.3	9-1	2.8	12-11	3.9				
							IPA	0.3	NA	9-1	2.8	12-11	3.9				
							Ethanol	0.3	NA	9-1	2.8	12-11	3.9				
Model HD102 and HD202 Foam Water Sprinklers	HD Fire Protect Pvt. Ltd.	India	Automatic Foam Water Sprinkler	HD AFFF 3F-C6	3%	For use with HD Fire Protect bladder tanks and ratio controllers as appear in the FM Approval Guide only.	Hydrocarbon	0.3	0.3	6-6	2.0	13-10	4.2	Brass, Chrome Plated, or White Painted	1/2" BSP or NPT	Upright	5.6

FM Approved at a minimum spacing of 10 ft. x 10 ft.

Company Name:	HD Fire Protect Pvt. Ltd.
Company Address:	D-6/2, ROAD NO.34, WALGE INDUSTRIAL ESTATE, THANE, 400604 , MAHARASHTRA, INDIA
Company Website:	http://hdfire.com
New/Updated Product Listing:	Yes
Green Product:	No
Listing Country:	India
Certification Type:	FM Approved