

Defender Tank Protection

Description

The Defender Tank Protection system is an air aspirating foam projection appliance designed to provide effective full-surface and rim seal fire suppression for storage tanks. A semi or fixed system appliance provides a quicker response time and less manpower than a portable, large volume delivery approach. The Defender requires less flow rate due to lower recommended application densities while exposing fewer personnel to a hazardous situation.

Contact US Fire Pump's Sales Department with your tank diameter, tank type, and service application so we can configure a Defender package tailored to your specific tank.

Note: Specifications are for reference only and subject to change without prior notice.
 Specifications vary depending on configurations and options.
 Send inquiries to US Fire Pump for details.



Technical Specifications

Rim Seal Application

Tank Diameter	Application	GPM –Water/Foam Required	GPM – Foam Concentrate	Duration in Minutes	Total Foam Concentrate @ 1%
100'	0.10	62	1	20	12
200'	0.12	149	1	20	30
300'	0.12	225	2	20	45

NOTE: Application area is calculated for a 2' foam dam that is 2" above the secondary seal.

Full Surface Application

Tank Diameter	Application	GPM –Water/Foam Required	GPM – Foam Concentrate	Duration in Minutes	Total Foam Concentrate @ 1%
100'	0.10	785	8	65	511
200'	0.12	3770	38	65	2450
300'	0.12	8482	85	65	5513

NFPA Type 3 Application (Over the Top)

Tank Diameter	Application	GPM –Water/Foam Required	GPM – Foam Concentrate	Duration in Minutes	Total Foam Concentrate @ 1%
100'	0.24	1885	19	65	1225
200'	0.26	8168	82	65	5309
300'	0.30	21206	212	65	13784

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US FIRE PUMP COMPANY, LLC
 27995 James Chapel Road North, Holden, LA 70744
 MAILING: PO Box 1810, Albany, LA 70711

EMERGENCY 24 HOUR RESPONSE: (225) 209-6551

