1.5. Foam Systems

1.5.15. Type I Discharge Outlet.

An approved discharge outlet that conducts and delivers foam gently onto the liquid surface without submergence of the foam or agitation of the surface.

1.5.16. Type II Discharge Outlet.

An approved discharge outlet that does not deliver foam gently onto the liquid surface but is designed to lessen submergence of the foam and agitation of the surface.

1.5.17. Expansion

The ratio of the final foam volume to the original foam solution volume.

1.5.18. Semi subsurface Foam Injection

Discharge of foam at the liquid surface within a storage tank from a floating hose that rises from a piped container near the tank bottom.

1.5.19. Subsurface Foam Injection

Discharge of foam into a storage tank from an outlet near the tank bottom.

1.5.20. Fixed System

A complete installation in which foam is piped from a central foam station, discharging through fixed delivery outlets to the hazard to be protected with permanently installed pumps where required.

1.5.21. Mobile System

Any type of foam-producing unit that is mounted on wheels and that is self-propelled or towed by a vehicle and can be connected to a water supply or can utilize a premixed foam solution.

1.5.22. Fixed Monitor (Cannon)

A device that delivers a large foam stream and is mounted on a stationary support that either is elevated or is at grade.

1.5.23. Portable Monitor (Cannon)

A device that delivers a foam monitor stream and is mounted on a movable support or wheels so it can be transported to the fire scene.

1.5.24. Balanced Pressure Bladder Tank

A foam concentrate tank fitted with an internal bladder which uses water flow through a modified venturi type proportioner to control the foam concentrate injection rate by displacing the foam concentrate within the bladder with water outside the bladder.