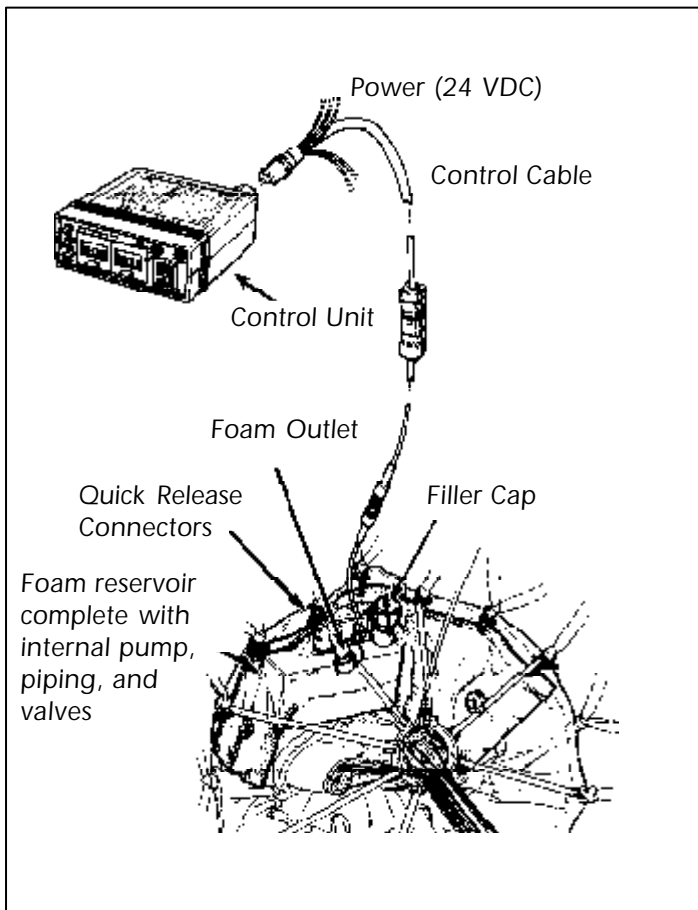


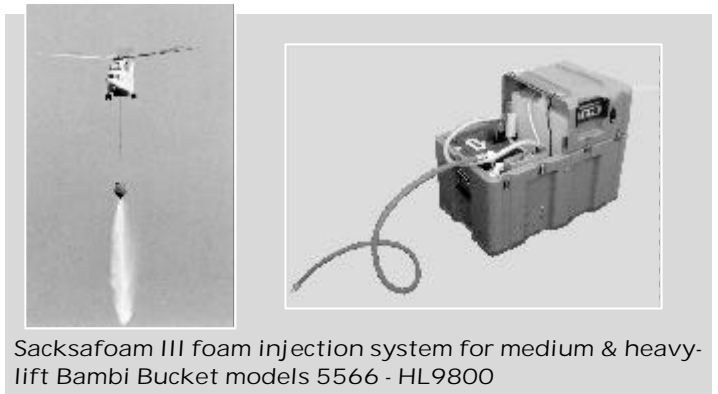
Sacksafoam™

Firefighting Foam Injection Systems for the Bambi Bucket®

The Sacksafoam is a foam injection system for the transfer and dispensing of aerial firefighting foam, designed to be operated with the world-renowned Bambi Bucket®. Foam and retardants are an integral and essential tool in modern fire suppression efforts. Simply stated, foam saves time and money, and reduces the amount of water required to suppress fire. Offering ease of use, accuracy, durability, and dependability, the Sacksafoam dramatically improves helicopter firefighting capability.



Sacksafoam I Injection System Design



Sacksafoam III foam injection system for medium & heavy-lift Bambi Bucket models 5566 - HL9800

Sacksafoam I

The foam reservoir of the Sacksafoam I is installed directly in the Bambi Bucket - it mounts quickly and easily with pre-wired connectors. The reservoir is made of collapsible reinforced fabric and has a built-in injector pump.

The pilot operates the Sacksafoam I through a Control Unit that houses a power switch, foam dispense timer, dispense switch, as well as current and total drop counters. Two different Control Units are available. The regular Control Unit has its own box and is designed for temporary or outside the panel installations. The Dzus in-panel mountable unit is designed for permanent mounting via a Dzus Rail system.

A foam concentration chart is provided for the pilot to set the concentration from 0.05% up to 1.0% foam. After taking a load of water, the pilot simply presses the dispense switch and the Sacksafoam automatically dispenses the correct amount of foam into the bucket, creating the desired concentration of final mix.

Sacksafoam II

The Sacksafoam II is a self-contained foam injection system which is mounted on-board the helicopter. It is designed to eliminate any potential spillage from the pouring of foam concentrate by pumping foam directly from the original 20-L foam pails supplied by the manufacturer and housing the components in a water/foam proof case. The SF II is secured within the cargo area of the helicopter, and a hose is connected to and run from the SF II down the suspension lines into the Bambi Bucket to dispense the foam concentrate. Operation of the system is identical to the SF I, using either of the SF Control Units.

The SF II water/foam proof casing houses:

- stowage area for two 5 USG (19L) foam canisters
- discharge pump (runs on helicopter's 28V power)
- wiring for connection to heli power & Bambi Bucket
- remote dump switch for Bambi Bucket

Model 8044 case: 30"L x 18"W x 24"H (71 x 51 x 56 cm)
Model 5598 case: 33"L x 21"W x 26"H (84 x 53 x 66 cm)

Sacksafoam III

The Sacksafoam III is designed to be used in medium and heavy lift helicopters for the larger series of Bambi Buckets (models 5566 to HL9800). The SF III is identical to the SF II with the exception of the Control Unit, which is built into the lid of the case. The operation of the system is performed by the flight crew including dump operation of the Bambi Bucket. This allows the pilot to maintain focus on flying the helicopter.

The SF III water/foam proof casing, 33"L x 21"W x 26"H (84 x 53 x 66 cm) houses:

- a 20 USG (76L) foam concentrate tank
- stowage area for a 5 USG (19L) reserve tank
- fill & discharge pump (runs on helicopter's 28V power)
- pumping and discharging control unit built into lid
- wiring for connection to heli power & remote dump switch for Bambi Bucket
- 6 ft. (1.8m) foam delivery hose with breakaway end

Sacksafoam Plus reserve tank holds an extra 40 USG (151L) of foam concentrate



Options & Accessories

Sacksafoam Plus: Reserve Tank for Sacksafoam II & III

The Sacksafoam Plus is a fully enclosed reserve tank for the SF II and SF III injection systems. It provides additional foam storage for helicopters equipped with large Bambi Buckets (Models 5566 - HL9800) to maximize firefighting capability by synchronizing refueling and foam refill cycles. The tank holds 40 USG (151L) of foam concentrate and is enclosed in a foam resistant casing, 33" x 21" x 26" (84 x 53 x 66 cm).

Dzus Rail Mount Controller

- for in-panel installation of the **Sacksafoam control unit**
- easy mounting in a standard Dzus Rail Mount

Quick-Fill Pump System

- fills the Sacksafoam I reservoir quickly, easily, spill-free
- lightweight, self-priming electric pump
- runs on helicopter's 28V system
- brass quick disconnect, self-sealing inlet and outlet connectors on the reservoir
- up to 7.8 USG (29.5 L) per min. capacity
- foot valve strainer on the inlet side which prevents drainback
- inlet hose that can be used with 5 US Gal (19 L) pails or bulk foam containers

Specifications

Model	For Bambi Bucket Models	Foam Concentrate Capacity		
		USG	Imp. Gal	L
Sacksafoam I				
SFF01-8018	8096 - 1821	12	10	45
SFF01-2044	2024 - 4453	30	25	114
SFF01-5550	5566 - HL5000	72	60	272
SFF01-7698	HL7600 - HL9800	132	110	500
Sacksafoam II				
SFF02-8044	6072 - 1821	10	8	38
SFF02-5598	1821 - 4453	25	20	94
Sacksafoam III				
SFF03-6698	5566 - HL9800	25	20	94
Sacksafoam Plus to be used for additional storage for SF II and III				
SFF-Plus		40	33	151



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