

## Helicopter Fire-fighting Bucket

### Description

The Bambi Bucket is a proven, helicopter-borne integrated firefighting system in service worldwide and manufactured by SEI Industries, based near Vancouver, Canada. Lightweight, tough and easily stowed, the Bambi Bucket has proven itself as the most powerful and effective weapon for aerial fire suppression work. This foam compatible bucket system includes an outward opening dump valve which allows a solid column of water or foam to be dropped on targets with absolute precision.

A helicopter with a Bambi Bucket is an efficient, independent firefighting vehicle. It creates the opportunity to put more water on the fire than any other system, at less cost.



Since its inception and general introduction in 1983, the award-winning Bambi Bucket has been hailed worldwide as offering the rapid response and operational effectiveness that are so critical mounting immediate attacks to fires in both urban and remote wildland areas.

### Features

- Compact and portable
- Lightweight
- Variable fill capability
- Fast fill and shallow water capability



- Pilot controlled dump patterns
- Nineteen sizes available, 72 to 2,600 U.S. Gallons (270-9,840 litres)
- Dump valve opens instantly - no time wasted waiting for valve to open
- Exclusive outward opening dump valve made of foam resistant material. The resulting column of water generated allows the pilot to drop from a higher altitude thereby reducing downwash, and risk to the operator and equipment.
- An Instant Deployment System™ (IDS) ensures rapid set up; the Bambi bucket is deployed simply by removing it from the carrying bag and attaching the control head to the cargo hook. As soon as the weight of the Bambi Bucket is taken by the suspension lines, it instantly deploys.

### The Bambi Bucket versus Fixed Wing Systems

A major inefficiency for air fixed wing tankers is to shuttle back and forth to an airbase to have tanks refilled. By contrast, helicopters can utilize a local water source until the fire is safely under control. The benefit is the reduced operating cost of helicopter-borne buckets, estimated to be less than one third that of fixed-wing tanker aircraft.

### Worldwide with the Bambi Bucket

The effectiveness of the Bambi Bucket has drawn attention from resource management and fire suppression authorities worldwide. Over 600 commercial operators, as well as extensive government and military agencies, in over 70 countries, now operate the Bambi Bucket.

The Bambi Bucket also lends itself to the important tasks of decontamination downwashing and remote liquid transportation.

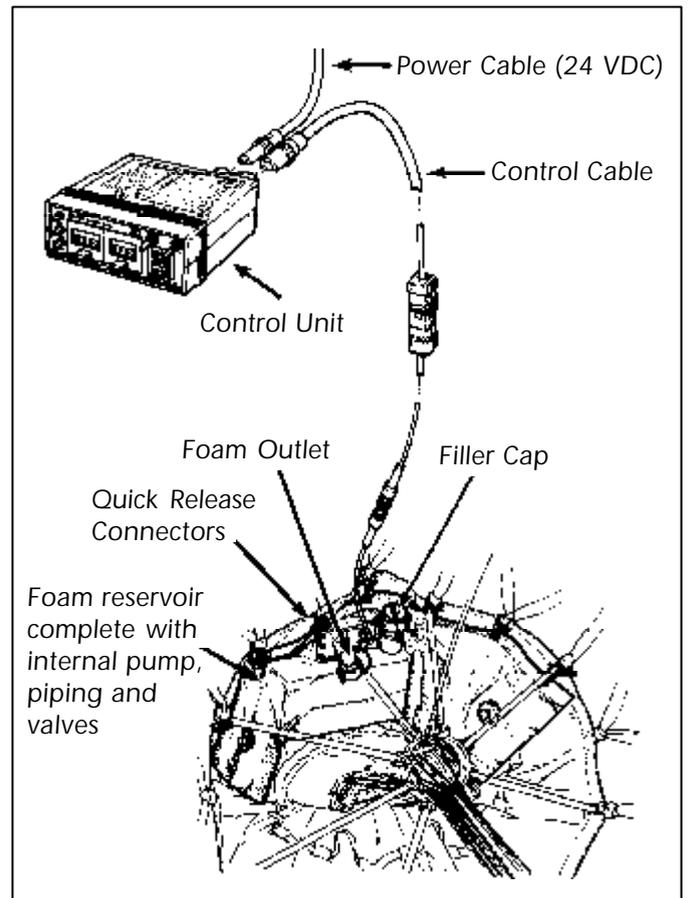
## Sacksafoam® Injection System

The versatile Bambi Bucket is available with the optional Sacksafoam™ foam injection system that increases the effectiveness of each water drop by a multiple of 600-1500%. This increase in efficiency allows a CH-47D Chinook to beat down a fire with each foam drop equivalent to 30,000 gallons of water. Attached inside the bucket, the Sacksafoam system eliminates the corrosion generated by alternate systems stowed within the helicopter.

## Organizational/Safety/Proficiency Training Available

SEI Industries Ltd. provides a complete package of assistance and training for introducing the science of heli-bucketing to your command - everything from call up procedures, to fire-site command strategies to clean-up operations.

For pilot training SEI Industries subcontracts the training services of an Armed Forces trained pilot who is an expert in fighting forest fires with the Bambi Bucket system. At your home base, your helicopter aviators will be trained in fire-fighting bucketing strategies, targeting skills, wild fire patterns, bucket slinging techniques and safety procedures for helicopter fire-fighting by an expert fully recommended by SEI Industries.



Sacksafoam® Injection System

### BAMBI BUCKET SPECIFICATIONS

Model #	Capacity		Gross Weight		Empty Weight	
	U.S. Gal	Liters	Lbs	Kg	Lbs.	Kg
6072	72	275	666	275	60	30
8096	96	365	870	395	65	32
9011	108	410	971	440	65	32
1012	120	455	1072	490	75	33
1214	144	545	1273	490	75	33
1518	180	680	1574	715	75	34
1821	210	795	1876	865	110	35
2024	240	910	2135	960	115	61
2732	324	1225	2853	1280	120	70
3542	420	1590	3667	1655	145	76
4453	530	2000	4587	2065	155	85
5566	660	2500	5725	2602	225	102
5566HD*	660	2500	5805	2638	305	138
6578	780	2955	6766	3075	266	121
6578HD*	780	2955	6846	3115	356	162
7590	900	3405	7740	3510	375	125
HL5000	1320	5000	11270	5115	390	177
HL7600	2000	7570	16950	7690	465	211
HL9800	2600	9840	22010	9985	530	241

\* HD- Heavy Duty

\*\*Models 9011 & larger come complete with FireSock Water and Foam Dispersal Accessory

Learning the correct methods of fire suppression will dramatically increase your competency and effectiveness against forest, residential, firing range and rural fires.

Manufactured under one or more of the following patents:

CANADA..... 1,232,889 & 1,231,311  
 U.S..... 4,576,237 & 4,474,245  
 U.K..... 2,145,624B

For more information please call SEI Industries.

