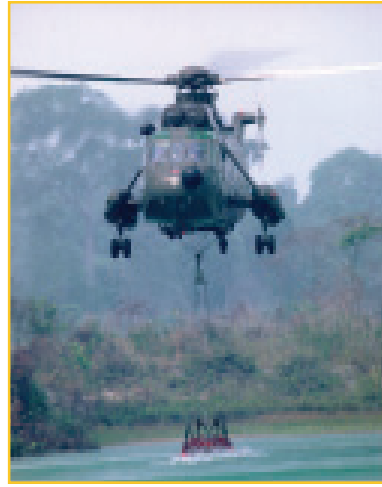


## Pilot Proficiency Training

SEI works with a trained pilot that has developed 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.

On behalf of the client, SEI arranges the training services of this independent advisor who is an expert in fighting forest fires with the Bambi Bucket system. At your home base, your helicopter aviators will be trained in firefighting bucketing strategies, targeting



skills, wild fire patterns, bucket slinging techniques and safety procedures for helicopter fire-fighting by an expert fully recommended.

This training course includes manuals for operating and repairing the Bambi Bucket and videos explaining different fire scenarios, proper use of foam and repair. Topics covered during ground and flight schools include wildland fire behaviour, target prioritization, operational plans, installation of the Bambi Bucket, filling and flight techniques, as well as a safety briefing.

## Sacksafoam® Injection System

Used in conjunction with the Bambi Bucket, the Sacksafoam™ foam injection systems increase the effectiveness of each water drop by a multiple of 6 to 15 times, thereby reducing the amount of water, time, and money required to suppress the fire. Offering ease of use, accuracy and dependability, the Sacksafoam improves helicopter firefighting capability.

The Sacksafoam I foam reservoir is installed inside the bucket with a built-in injector pump. The Sacksafoam II and III units are self-contained systems that are mounted onboard the helicopter. The foam is transferred from the reservoir in the onboard Sacksafoam unit to the Bambi Bucket through a hose running down the suspension lines.

The foam dispersion of the Sacksafoam I and Sacksafoam II is controlled by the pilot through the Control Unit, which houses the dispense timer, dispense switch and drop counter. In the Sacksafoam III unit, designed for medium and heavy lift helicopters, the Control Unit is built into the lid of the case so the flight crew can control its operation.



Bambi Buckets are 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

Bambi Buckets with the Torrentula Valve are manufactured under the following patents:  
CANADA..... 2,297,296  
U.S..... 6,192,990 B1

### International Sales:



**Suite #3, Beaumont House  
Hastings, Christ Church, BARBADOS  
Tel: (246) 228-4908  
Fax: (246) 228-3326  
E-mail: bambi@sei-sales.com  
Web site: www.sei-ind.com**

### Canadian Sales:

**7400 Wilson Avenue  
Delta, BC, V4G 1E5, Canada  
Tel: (604) 946-3131  
Fax: (604) 940-9566  
E-mail: seisales@sei-ind.com  
Web site: www.sei-ind.com**

10/21/03

**Powerful, Proven, Accurate, & Efficient**

## The World Standard in Aerial Fire Suppression

The  
**Bambi Bucket®**

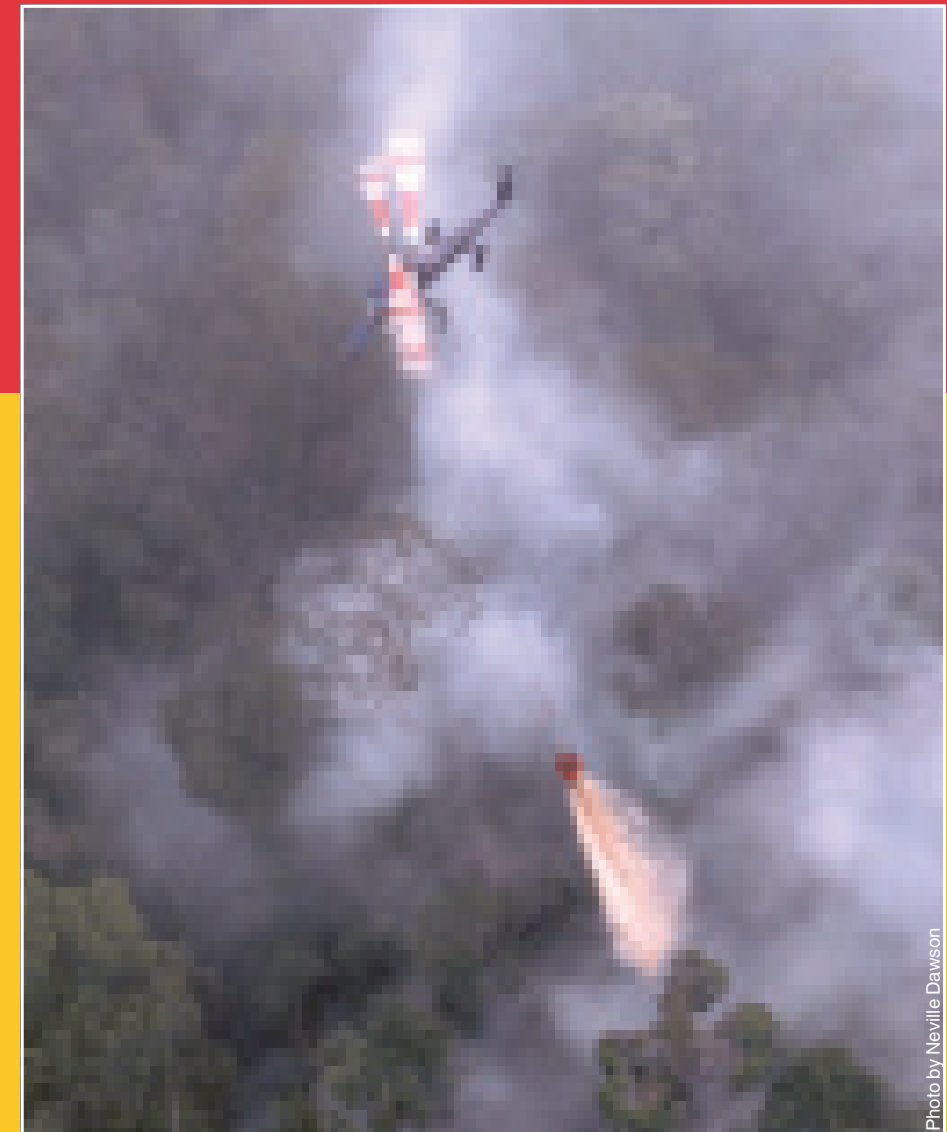


Photo by Neville Dawson



# Bambi Bucket®

## The Weapon of Choice

Lightweight, tough, and easily stowed, the Bambi Bucket has proven itself in action worldwide as the most powerful and effective weapon for aerial fire suppression. The award-winning foam compatible Bambi Bucket comes complete and ready to deploy with a simple electrical hookup. The design of the Bambi Bucket creates a solid column of water or foam to be dropped on targets with absolute precision!

A helicopter with a Bambi Bucket is a highly efficient, independent firefighting vehicle. It is the ultimate aerial firefighting solution that puts more water on the fire than any other system, at a lower cost.



Photo courtesy of Corporacion Whale C.A.

Since its inception and introduction to the industry in 1983, the award-winning Bambi Bucket has been hailed worldwide for its rapid response capability and operational effectiveness. It is these characteristics that are so critical in mounting immediate attacks against 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
- Eighteen sizes available, 72 to 2,600 U.S. Gallons (270-9,840 litres)
- Dump valve opens instantly

## The Bambi Bucket versus Fixed Wing Systems

Fixed wing tankers are less efficient in comparison to helicopters due to the usually excessive shuttle time between the water source and the fire. By contrast, helicopters can utilize a local water source. The benefit is the reduced delivered water cost using helicopter-borne buckets, shown to be less than one third that of fixed-wing tanker aircraft.



Bambi Bucket and Heliwell Tank, photo courtesy of Mulligan & Associates

## Worldwide with the Bambi Bucket

The effectiveness of the Bambi Bucket has drawn attention from resource management and fire suppression authorities worldwide. Over one thousand commercial operators, government agencies and military organizations in over 95 countries now operate the Bambi Bucket.

### BAMBI BUCKET SPECIFICATIONS

Model #	Capacity		Gross Weight		Empty Weight	
	U.S. Gal	Liters	Lbs	Kg	Lbs	Kg
6072	72	270	666	303	66	30
8096	96	365	870	395	70	32
9011	108	410	971	441	70	32
1012	120	455	1072	487	72	33
1214	144	545	1273	579	73	33
1518	180	680	1574	797	75	34
1821	210	795	1876	853	76	35
2024	240	910	2135	970	135	61
2732	324	1225	2853	1300	154	70
3542	420	1590	3667	1667	167	76
4453	530	2000	4587	2085	170	85
5566HD	660	2500	5805	2638	304	138
5870HD	700	2655	6170	2805	330	150
6578HD	780	2955	6846	3111	356	162
7590	900	3405	7775	3534	375	170
HL5000	1320	5000	11390	5177	390	177
HL7600	2000	7570	17115	7780	465	211
HL9800	2600	9840	22180	10081	530	241

\*\*Models 9011 & larger come complete with The FireSock water and foam dispersal accessory

# Bambi Bucket®

## with the TORRENTULA™ VALVE

For years, the Bambi Bucket has been the weapon of choice worldwide for aerial firefighting. Now, the Bambi Bucket with the Torrentula dump valve makes the Bambi a much more lethal weapon! This innovative, fast-acting, reliable valve provides the operator deadly precision with multiple drops and/or variable flow rates. This Bambi Bucket shows no mercy when attacking numerous hotspots!

## Performance

The revolutionary design of this unique valve gives the Bambi Bucket major performance enhancements, provides pilots with ultimate control.

**Multiple Water Drops:** each bucket load can be unloaded in as many separate dumps as the operator requires

**Variable Flow Rate:** infinitely variable from 0-100%

**Compact Stowage:** bucket still collapses completely allowing transport to the fire site inside the helicopter

## Bambi Bucket with the Torrentula Valve Specifications

Model #	Capacity		Gross Weight		Empty Weight	
	USG	Imp. Gal. Liters	Lb.	Kg	Lb.	Kg
BBT 2732	315	265 1190	2845	1295	183	83
BBT 3542	410	345 1555	3660	1665	197	89
BBT 4453	520	435 1960	4580	2080	217	98
BBT 5566 HD	640	535 2400	5777	2600	425	191
BBT 5870 HD	680	566 2574	6124	2778	451	204
BBT 6578 HD	760	635 2850	6818	3068	476	214
BBT 7590 HD	880	735 3300	7747	3486	495	225
BBT HL5000	1300	1080 4900	11362	5112	510	230
BBT HL7600	2000	1665 7570	17087	7690	585	263
BBT HL9800	2600	2165 9840	22152	9968	650	292

## The All-New Power Fill!

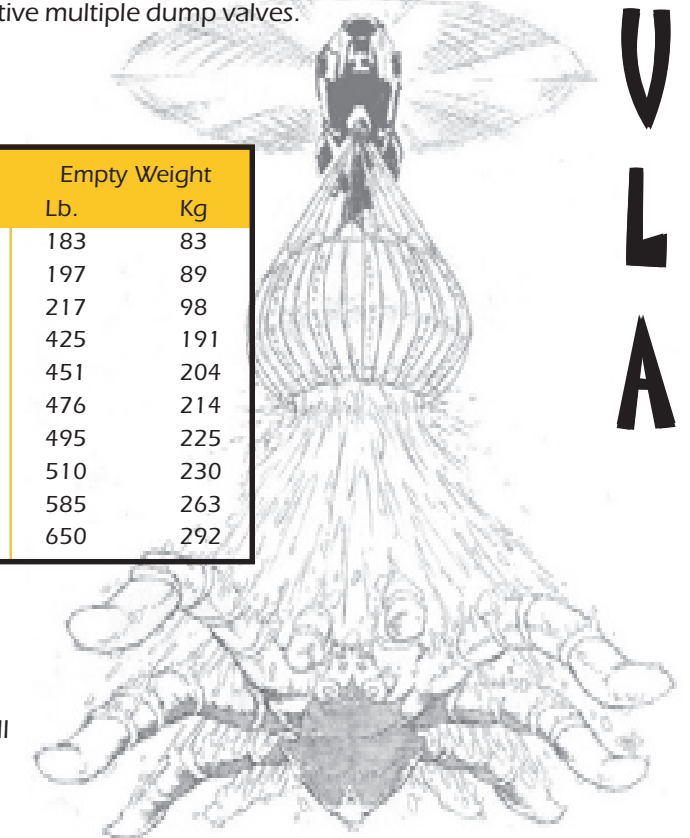
The innovative spirit of SEI's R&D and engineering personnel has produced the next significant development in Bambi Buckets. The addition of the Power Fill to the Bambi Bucket enables a fast bottom fill from water sources as shallow as 18 inches (46 cm)! Medium sized Bambi Buckets can be filled in approximately 30 seconds, larger Type I buckets (HL 5000-HL9800) in 50 to 100 seconds. Please contact SEI Industries or SEI Industries International for more information.



- **Faster Bucket Filling:** improving on the traditional fast dip fill of the standard Bambi Bucket, the Bambi Bucket with the Torrentula Valve is also capable of an extremely fast bottom fill. This provides operators with an even faster turnaround time.

**Quick Open & Close:** split second valve actuation allows precision drops

**Low Power Draw:** the exclusive ground-breaking design of the Torrentula valve does not fight gravity to dump. The design also provides for extremely low hydrodynamic drag at the valve itself. These features reduce power draw and distinguish the Torrentula valve over all competitive multiple dump valves.



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