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.……….. 2,145,624

Bambi Buckets with the Torrentula Valve are manufactured under the following patents:

CANADA….. 2,297,296
U.S.………… 6,192,990 B1

The Bambi Bucket®

Powerful, Proven, Accurate, & Efficient

The World Standard in Aerial Fire Suppression

The Bambi Bucket®

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

Printed in Canada
The 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.

Dump valve opens instantly

Eighteen sizes available, 72 to 2,600 U.S. Pilot controlled dump patterns

Lightweight

Compact and portable

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 (270-9,140 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.

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.

Bambi Bucket®

with the TORREN TULA™ 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

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<th>Empty Weight</th>
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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 5000-9800) 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.

Bambi Bucket with the Torrentula Valve Specifications

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