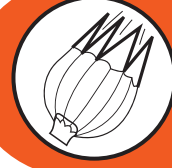
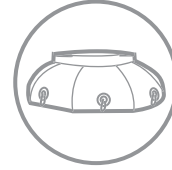


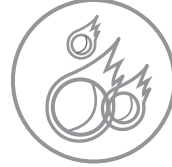
# SACKSAFOAM PLUS MANUAL



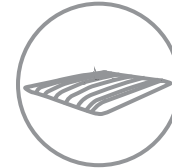
Bambi Bucket



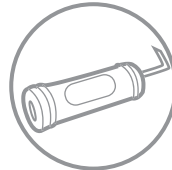
Fireflex



Dragon



Remote Site



Environmental



Emergency Response



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**SACKSAFOAM PLUS MANUAL - Version C**

**Issue Date: JULY 2008**

**PLEASE READ BEFORE USING.**

**SEI INDUSTRIES LTD.**

7400 Wilson Avenue  
Delta, B.C. Canada  
V4G 1E5

Phone: (604) 946-3131

Fax: (604) 940-9566

E-Mail: [seisales@sei-ind.com](mailto:seisales@sei-ind.com)

Website: [www.sei-ind.com](http://www.sei-ind.com)

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**Sacksafoam Plus Operations Manual (Version C)**

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## Section 1: Sacksafoam Plus Overview

### Sacksafoam Plus Installation

This manual provides helicopter operators with important information on the operation and maintenance of the Sacksafoam Plus dispensing system for use with the Bambi bucket.

Please read this manual prior to flying the bucket, particularly the sections on installation, filling and dispensing. If problems are experienced, please refer to the manual.

For your own protection and for longer system life, always heed the instructions and warnings. Ignoring these instructions could result in injury or damage to the operator, Sacksafoam Plus, Bambi bucket or aircraft.

SEI offers complete parts supply and repair facilities for the Sacksafoam Plus. For maintenance and repair purposes, parts diagrams and descriptions are provided in this manual. When ordering parts, please provide the model and serial number of the unit which is printed on the inside of the container lid that is typically removed during operation.

Additional copies of this manual are available from SEI Industries Ltd.

#### Important Note

The Sacksafoam Plus is an option and does not come with the Sacksafoam II or III.

### ***Sacksafoam Plus Installation Procedures***

The Sacksafoam Plus allows for more foam storage, consisting of two 20 gallon tanks. The Sacksafoam Plus **must be filled manually** using the large funnel mounted on the top of the holding tanks.

#### Important Note

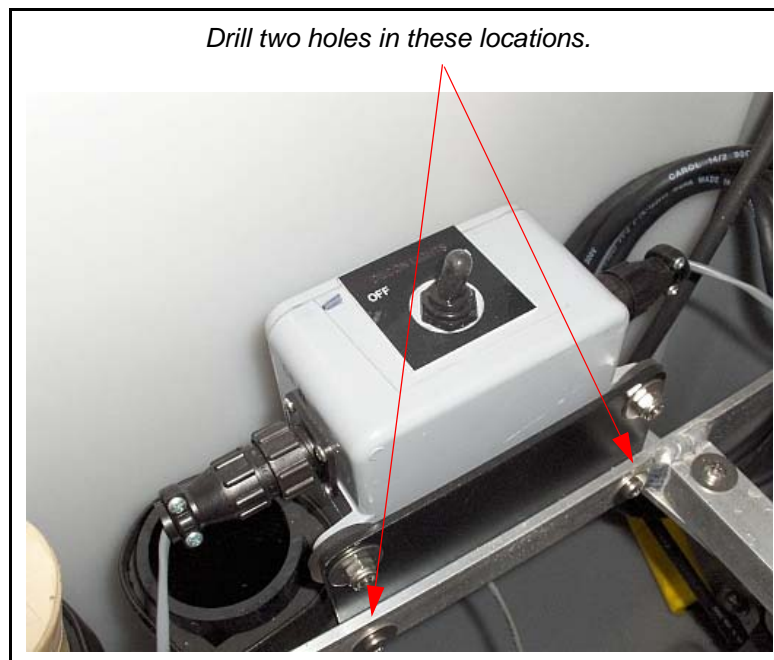
If your Sacksafoam Plus was purchased as a set (with a SFII or SFIII), then please disregard this section and go straight to the instructions on attachment.

### Assembly Instructions

To add a Sacksafoam Plus to an existing unit, you will require the following parts:

- Grey case complete with loose switch box assembly. This assembly must be installed into your SFII or SFIII (see picture below).

1. Drill two 1/4" holes to match the mounting plated located behind the five gallon pail.



2. Once installed, remove the dip tube wire from the main control box and attach it to the right side of the switch box.
3. Next, using a new wire harness (supplied with the switch box) attach one end to the control box (where the cable was removed) and the other end to the bottom plug of the switch box.
4. You are now ready to proceed to the attachment instructions.

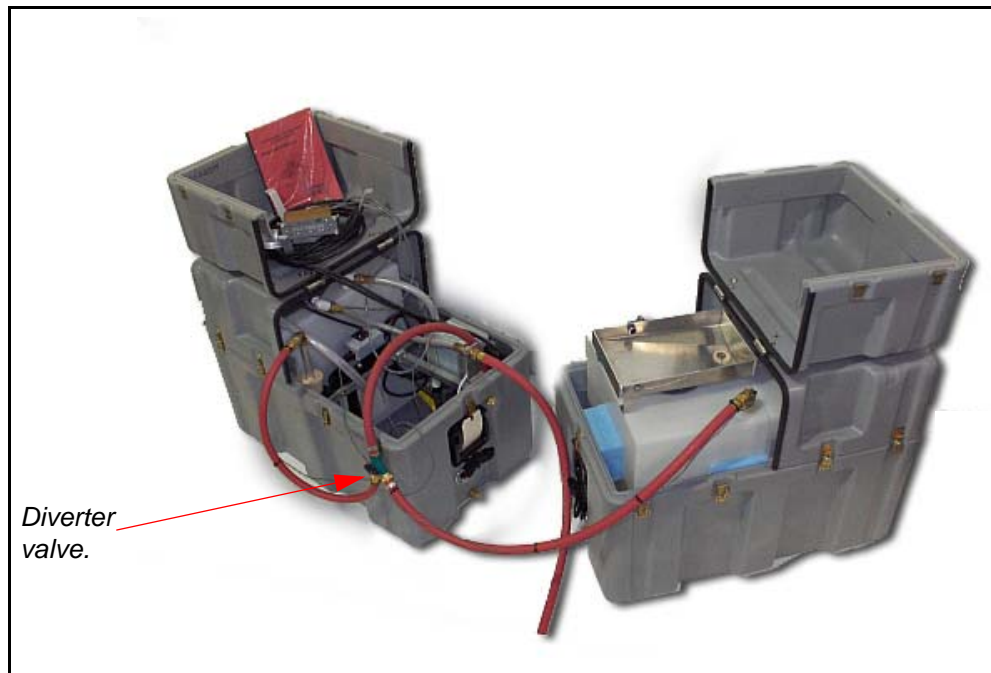
#### Important Note

If you don't attach the Sacksafoam Plus to the system, you can still use the SFII or SFIII.

**Attachment Instructions**

To connect the Sacksafoam Plus to work with the Sacksafoam II or III, two steps must be completed.

1. Join the red 5/8" hose, found in the SF Plus, to the diverter valve in the SFII or III (only one position is available).
2. Connect the grey 4-pin SF Plus dip tube wire to the left port on the left side of the switch in the SFIII/SF Plus toggle box, mounted beside the large polyethylene tank in the SF II or III (again only one port is available).



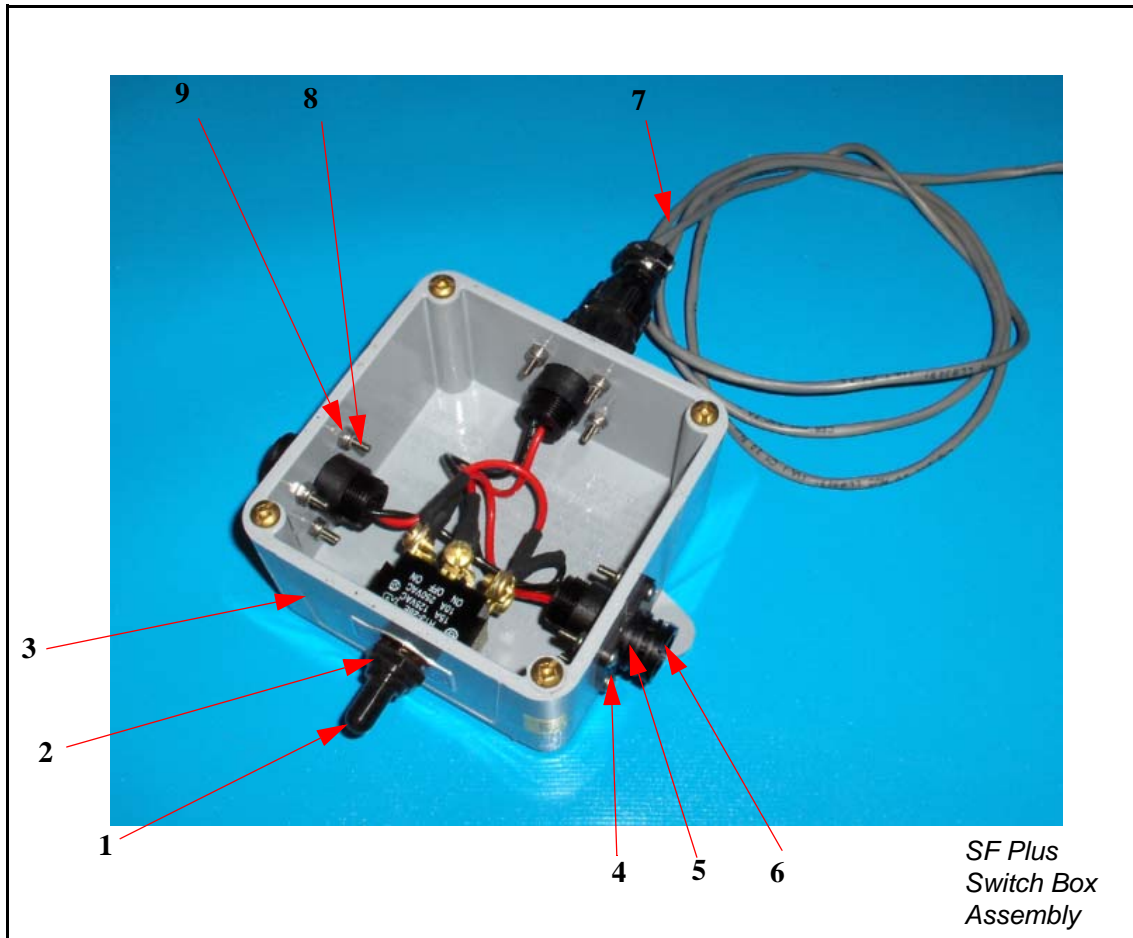
Now that the Sacksafoams are connected, they will work together. To switch from the SFII/III foam container to the foam supply in the SF Plus, simply switch the diverter valve from the SFII/III dip tube to the SF Plus dip tube. In other words, simply close one side of the valve and open the other.

Now go to the SFII or III/SF Plus toggle box and flip the switch from the SFII/III side to the SF Plus side. Your foam supply is now being drawn from the SF Plus.

When finished operating, clean the SFII/III and SF Plus in the manner as indicated in the appropriate SF manual. Remember to switch the diverter valve and the toggle switch back to SFII or III functions after the operation is completed. This will leave the unit ready for next use.

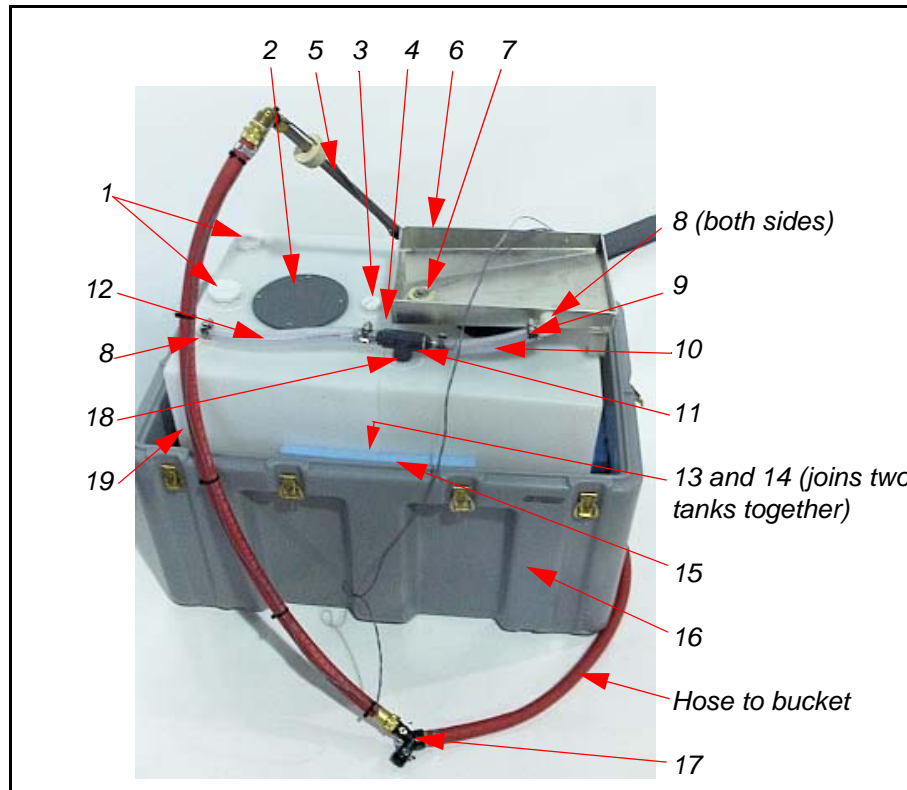
## Section 2: Parts Lists

### Switch Box Assembly Parts List



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	ECON024	Boot Switch #54010-1	1
2	ESTC014	Switch toggle DPDT 28 volt On Off On	1
3	BAD1776	Box junction 4" X 4" X 2"	1
4	ECON032	Receptacle 4 pin	3
5	ECON021	Connector pin Amp	6
6	ECON031	Keying plug nylon	6
7	SFA010	Wire harness SF-PLUS switch box	1
8	FBSC040104	Machine screw pan head Phil S/S 632 X 1/2"	12
9	FNFC0201	Nut Nylock S/S 632	12

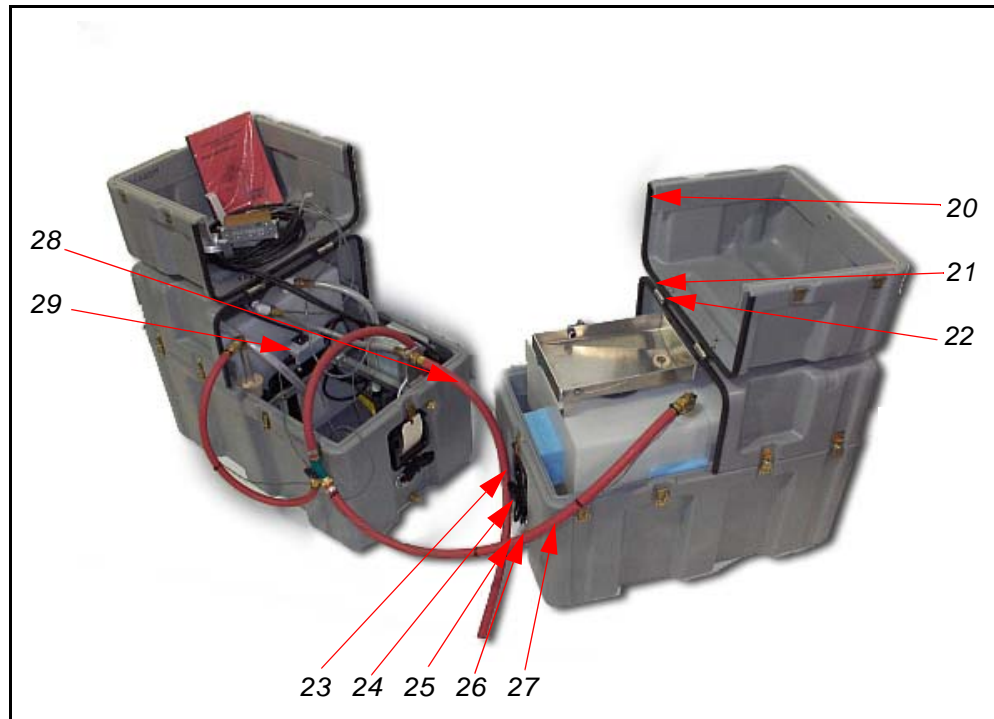
**General Assembly Parts List**



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	PLP10215	Pipe plug 1 1/2" MNPT	2
2	SF210	Cover access polytank SFF-PLUS	2
3	PLP10207	Pipe plug 3/4" MNPT	2
4	PLP130	Hose barb 3/8" slip X 1/2" MNPT	2
5	SFA004	Dip tube assembly c/w switch	1
6	SAB100	Funnel overflow SFF-PLUS	1
7	PP710	Stopper rubber bung	1
8	PLP051	Elbow 90 PVC 1/2 slip 1/2" MNPT	1
9	SF215	Clamp hose S/S 1/2 to 3/4"	4
10	PLT010	Hose reinforced 3/8" X 6"	1
11	PLP1005	Tee PVC sch. 80 1/2" FNPT	1
12	PLT010	Hose reinforced 3/8 X 14"	1
13	PLP065	Bulkhead fitting 1 1/4"	1
14	PL002	Gasket buna for 2" camlock	1
15	RMX006	Foam blue tank spacer	1
16	SF3ENCL	Case grey PVC w/ lid	1
17	PLV007	Valve garden hose 3 way	1
18	PLP005C	Nipple 1/2" close PVC sch. 80	1
19	SF050	Polyethylene tank 20 gallon	2



**General Assembly Parts List (continued)**



ITEM NO.	PART NO.	DESCRIPTION	QTY.
20	SF200	Gasket Lid grey PVC case	2
21	SF205	Spacer hinge grey PVC	4
22	SF3HINGE	Hinge locking take apart	2
23	SF012	Cleat for tie down straps	2
24	SF525	Strap restrainer assembly	1
25	PLB000	Cap brass FGHT	1
26	PLB002	Adapter brass MGHT X 1/2" MNPT	1
27	SF028	Hose red genweal purpose 5/8" x 42"	1
28	SF020	Hose red general purpose 5/8" x 30"	1
29	SFA001	Switch assembly SFF-PLUS	1

**Sacksafoam Plus Specifications**

Sacksafoam Plus	Foam Concentrate Capacity			Empty and Full Weights			
	USG	Imp. Gal	L	Lbs	Kgs	Lbs	Kgs
SFF-Plus	5	40	188	67	30	492	223

**Container Size**

Sacksafoam Plus	Inches	Centimeters
SF Plus	33" X 21" X 26"	84cm X 53cm X 66cm

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## Section 3: Warranty

- a) Warranty is limited to repairing or replacing, at the company's sole discretion, any product approved to be defective.
- b) The company's products are not guaranteed for any specific length of time or measure of service, but are warranted only to be free from defects in workmanship and material for a period of one year to the original purchaser.
- c) To the extent allowable under applicable law, the company's liability for consequential, incidental and environmental damages is expressly disclaimed. **The company's liability in all events is limited to and shall not exceed, the purchase price paid.**
- d) This warranty is granted to the original purchaser and does not extend to a subsequent purchaser or assignee.
- e) The company must receive notification in writing of any claims of warranty from the original purchaser which must give details of the claimed defect in the product.
- f) Where the original purchaser is claiming under warranty, the product must be returned to the company for inspection with all transportation and duty charges prepaid.
- g) The warranty does not extend to any product that has been accidentally damaged, abraded, altered, punctured, abused, misused or used for a purpose which has not been approved by the company.
- h) This warranty does not apply to any accessories used with the product such as pumps, filters, hoses, etc., that are not supplied by the company, and any warranty on such accessories must be requested from the manufacturer or dealer of the accessories.
- i) In the event the original purchaser does not give notice of a warranty claim within one year of the original purchase of the product, it is understood that the purchaser has waived the claim for warranty and the purchaser and/or any subsequent purchaser must accept the condition of the product as it may be, without warranty.
- j) Any technical information supplied by the company regarding the product is not a condition of warranty but rather is information provided by the company to the best of its knowledge.
- k) There are no implied warranties nor is there any warranty that can be assumed from any representation of any person, except the company itself.

### Exclusions

This warranty is void if the product is not assembled, used and/or maintained in accordance with the operator's manual supplied by SEI.