

The advertisement features a large background image of a helicopter in flight, silhouetted against a bright, cloudy sky. The helicopter is positioned in the upper right quadrant, with a long, thin cable extending from its underside down to a red fire bucket suspended in the air. The bucket is positioned just above a body of water, which reflects the sky and the helicopter. The left side of the image is divided into two diagonal sections: an orange section at the top and a blue section at the bottom. The text 'AERIAL FIRE SUPPRESSION EQUIPMENT' is written in white, bold, sans-serif capital letters across the orange section. In the blue section, there is a white silhouette of a helicopter with a bucket, and the text 'CLOUDBURST FIRE BUCKET' and 'a product by IMS' is written in white. At the bottom of the blue section, the website 'imsheli.com' is written in white.

AERIAL FIRE SUPPRESSION EQUIPMENT



CLOUDBURST

FIRE BUCKET

a product by IMS

imsheli.com



Cloudburst Fire Bucket

Considerations for selecting a Cloudburst Fire Bucket System

Do you require the following?

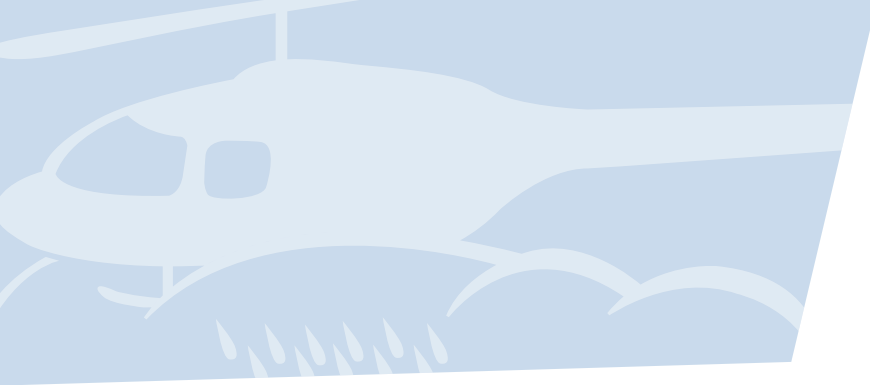
- Multi-drop or single drop functionality
- Foam Injection capability
- Level Limiters (provides ability to limit the volume)
- An auxiliary power source (useful when aircraft electrical power is not available)
- Shallow Fill Pump

Electrical Power:

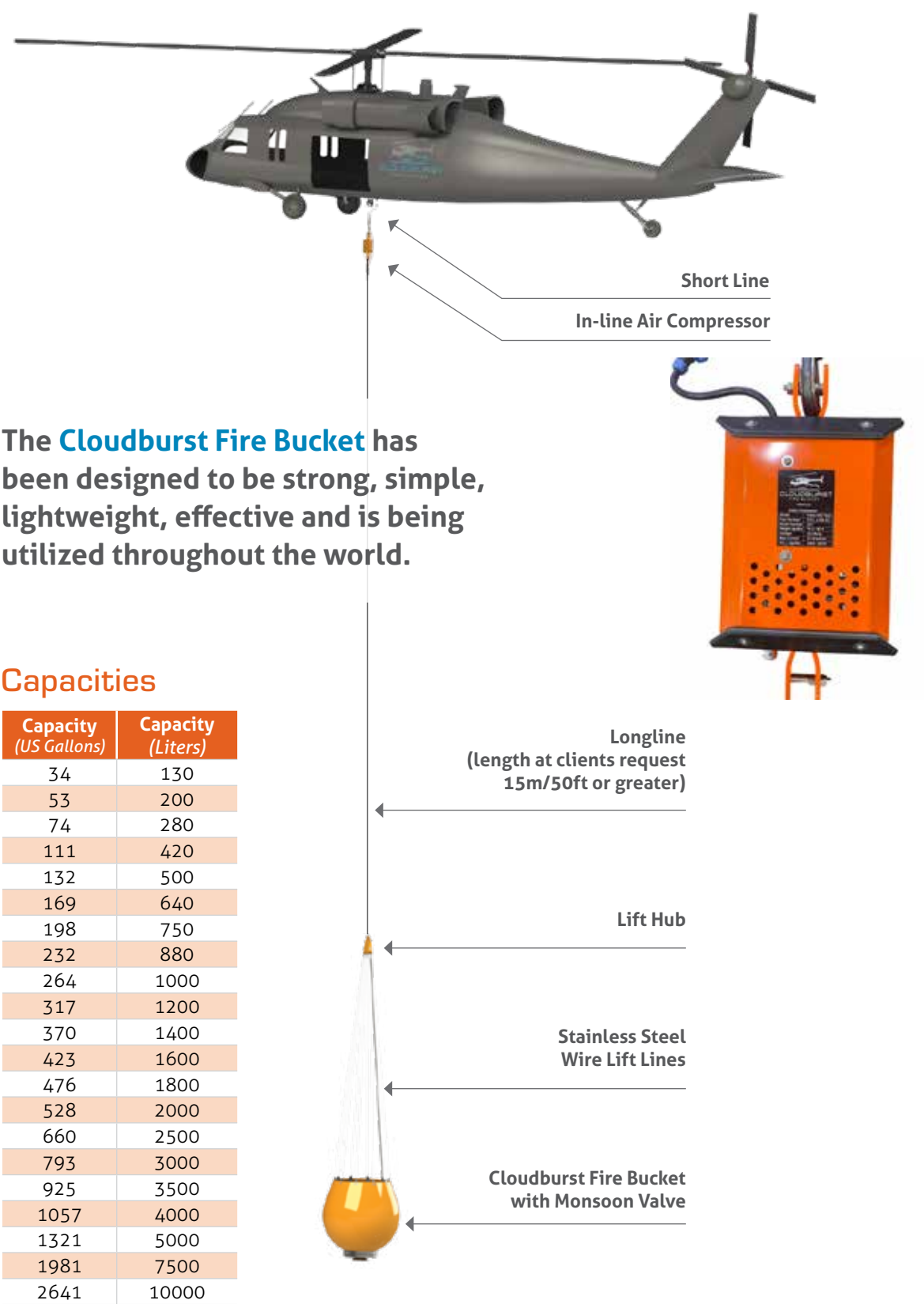
Refer to the power requirements table on page 11 for details.

Long Line:

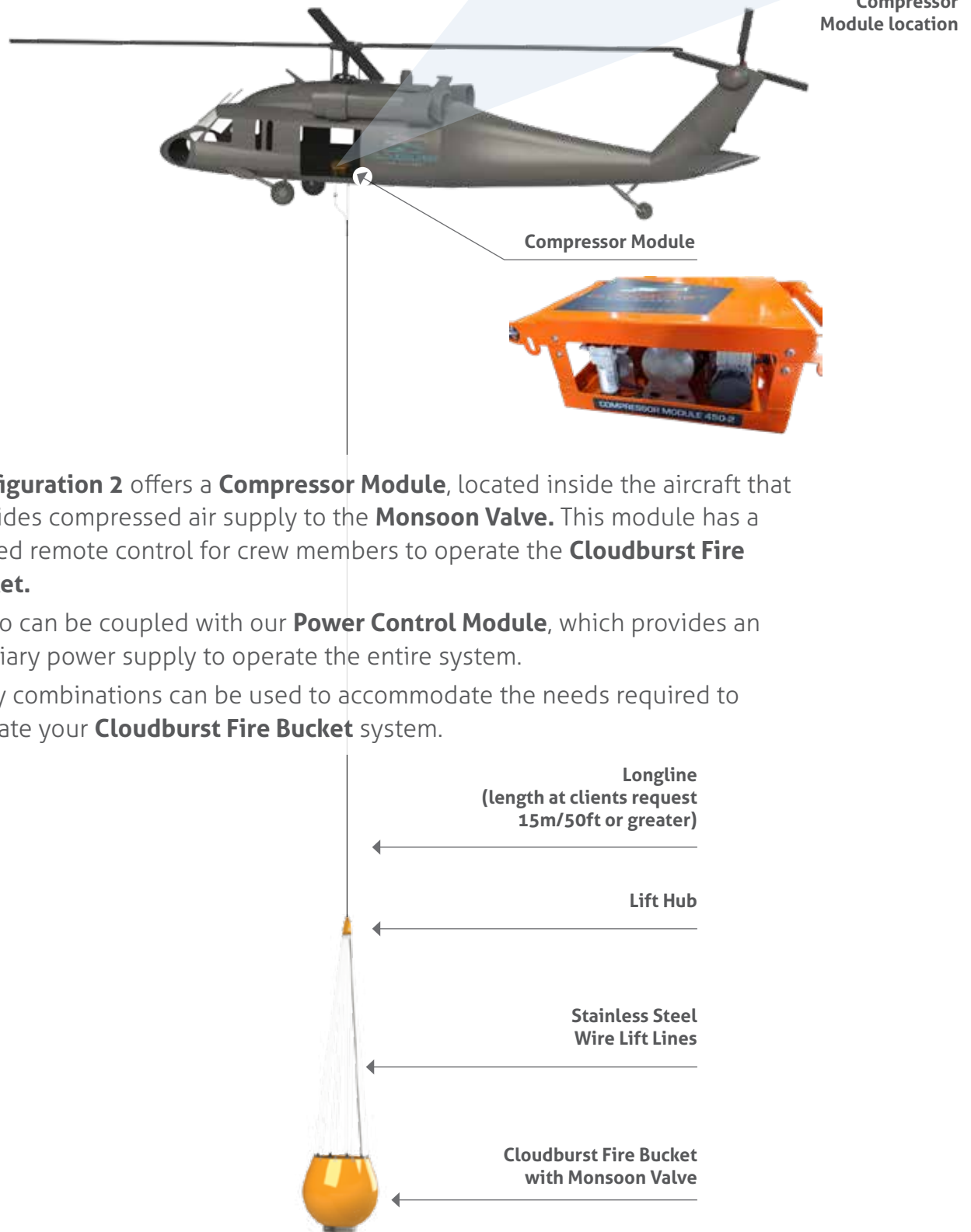
This length can be determined by the customer. A Long Line of 50ft/15m or greater is recommended with the Cloudburst Fire Bucket.



Configuration 1



Configuration 2



Configuration 2 offers a **Compressor Module**, located inside the aircraft that provides compressed air supply to the **Monsoon Valve**. This module has a corded remote control for crew members to operate the **Cloudburst Fire Bucket**.

It also can be coupled with our **Power Control Module**, which provides an auxiliary power supply to operate the entire system.

Many combinations can be used to accommodate the needs required to operate your **Cloudburst Fire Bucket** system.

Configuration 3



Utilizing a **Long Line** attached to a **Cloudburst Fire Bucket** with a **Cyclone Valve** (single drop).

Longline
(length at clients request
15m/50ft or greater)

Lift Dome

Stainless Steel
Wire Lift Lines

Cloudburst Fire Bucket
with Cyclone Valve

**A modern
and reliable
approach to
aerial fire
suppression.**



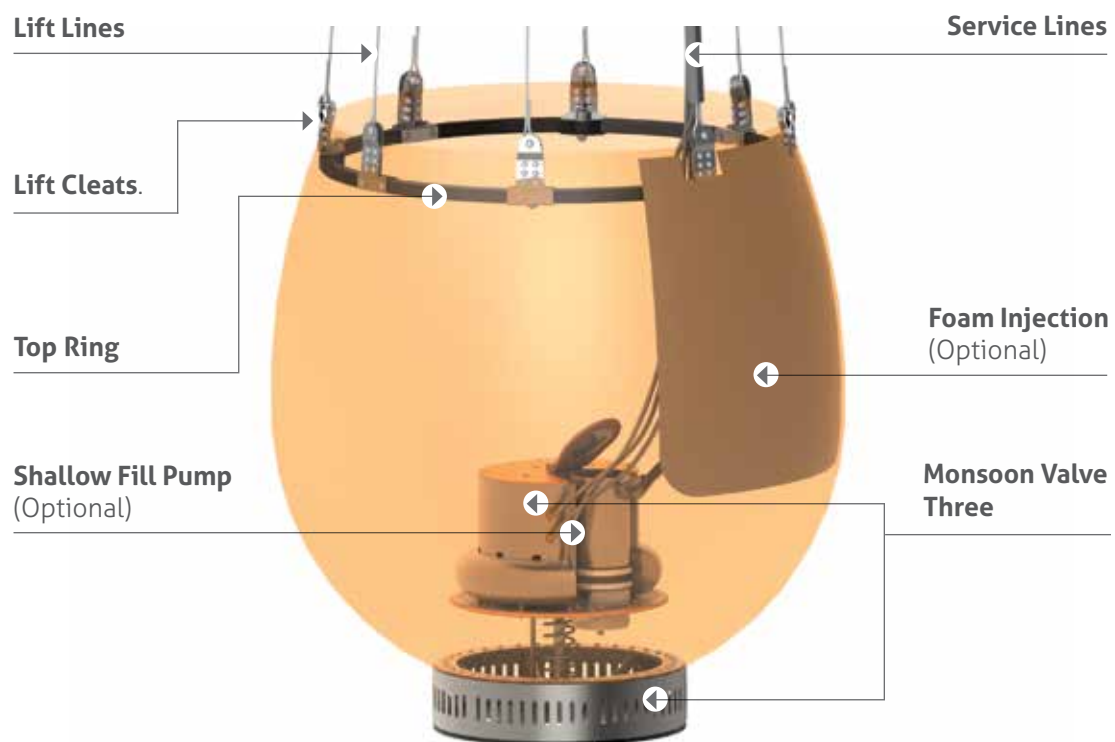


Keeping it
simple.

Cloudburst Features

The **Cloudburst Fire Bucket** is a wise investment for military and civilian operations around the world due to its modern features, reliability, and design.

The **Cloudburst Fire Bucket** is made of tough and durable PVC, an industry-recognized super material that is tough and flexible. It is strong, load-bearing, impact-resistant, and capable of withstanding high operating temperatures. This material is also chosen for its strength, excellent UV stabilization, and strong resistance to the growth of algae and fungi.



Please note: Valve size relates to bucket volume, refer to the table on page 11.

Monsoon Valve

The **Monsoon Valve** is operated by compressed air and controlled by an electrical input providing a fast and reliable water release.

- Multi-drop
- Low maintenance
- User friendly



Valve One



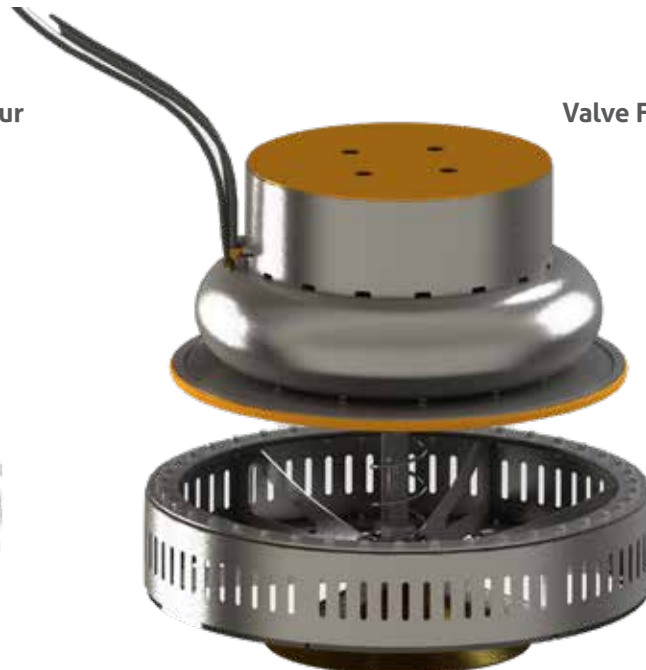
Valve Two



Valve Three



Valve Four



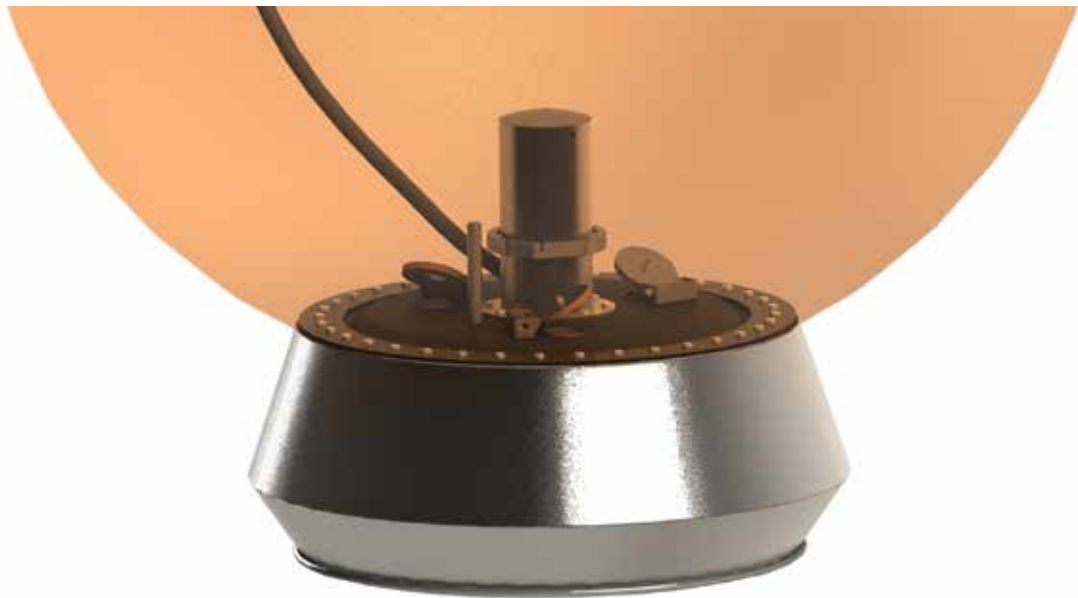
Valve Five

Please note: All Monsoon Valves come with a Swath Plate that can be simply fitted to the underside of the Monsoon Valve to provide a broader drop pattern.

Cyclone Valve

The **Cyclone Valve** is electrically actuated, providing a fast and reliable water release.

- Single drop
- Less than 1 amp current draw
- Low maintenance
- User friendly



Cyclone Valve

Cloudburst Fire Bucket Model	Valve Size	Volume Litres	Volume USG	Bucket Empty Weight kg/lbs	Comp Current amps	SFP Current amps DC ☆	Qty DC SFP	SFP Flow Rate DC L/sec (G/sec)	SFP Current amps AC ▲	SFP Flow Rate L/sec (G/sec)	FIS Current amps DC	FIS Weight
CB130	Valve One	130	34	22kg / 49lbs	7.5 ~	-	-	-	-	-	3	2kg / 4.5lbs
CB200	Valve One	200	53	25kg / 55lbs	7.5 ~	-	-	-	-	-	3	2kg / 4.5lbs
CB280	Valve One	280	74	29kg / 64lbs	7.5 ~	-	-	-	-	-	3	2kg / 4.5lbs
CB420	Valve Two	420	111	40kg / 88lbs	7.5 ~	-	-	-	-	-	3	3kg / 6.6lbs
CB500	Valve Two	500	132	41kg / 90lbs	7.5 ~	-	-	-	-	-	3	3kg / 6.6lbs
CB640	Valve Two	640	168	46kg / 101lbs	7.5 ~	-	-	-	-	-	3	3kg / 6.6lbs
CB750	Valve Two	750	197	50kg / 110lbs	7.5 ~	-	-	-	-	-	3	3.5kg / 7.7lbs
CB880	Valve Three	880	232	60kg / 132lbs	15 #	50	1	25 (6.6)	-	-	3	4kg / 8.8lbs
CB1000	Valve Three	1000	263	63kg / 139lbs	15 #	50	1	25 (6.6)	-	-	3	4kg / 8.8lbs
CB1200	Valve Three	1200	316	67kg / 148lbs	15 #	50	1	25 (6.6)	-	-	6	5kg / 11lbs
CB1400	Valve Three	1400	368	70kg / 154lbs	15 #	50	1	25 (6.6)	-	-	6	5kg / 11lbs
CB1600	Valve Three	1600	421	75kg / 165lbs	15 #	50	1	25 (6.6)	-	-	6	5kg / 11lbs
CB1800	Valve Three	1800	474	81kg / 179lbs	15 #	50	1	25 (6.6)	-	-	6	6kg / 13lbs
CB2000	Valve Four	2000	526	118kg / 260lbs	25 0	100	2	50 (13.2)	50	100 (26)	6	6kg / 13lbs
CB2500	Valve Four	2500	658	134kg / 295lbs	25 0	100	2	50 (13.2)	50	100 (26)	9	8kg / 17.6lbs
CB3000	Valve Four	3000	789	146kg / 322lbs	25 0	100	2	51 (13.2)	50	100 (26)	9	8kg / 17.6lbs
CB3500	Valve Four	3500	921	152kg / 335lbs	25 0	100	2	52 (13.2)	50	100 (26)	9	10kg / 22lbs
CB4000	Valve Four	4000	1053	165kg / 364lbs	25 0	100	2	53 (13.2)	50	100 (26)	9	13kg / 28.6lbs
CB5000	Valve Four	5000	1316	171kg / 377lbs	25 0	100	2	54 (13.2)	50	100 (26)	9	13kg / 28.6lbs
CB7500	Valve Five	7500	1974	199kg / 439lbs	40 +	-	-	-	-	100 (26)	12	18kg / 39.6lbs
CB10000	Valve Five	10000	2632	214kg / 472lbs	40 +	-	-	-	-	100 (26)	12	18kg / 39.6lbs

Each **Cloudburst Fire Bucket Model** can have either a Multi Drop Monsoon Valve (M) or a Single Drop Cyclone Valve (C).

Example: CB130M = Cloudburst Fire Bucket CB130 Multi Drop Monsoon Valve

CB130C = Cloudburst Fire Bucket CB130 Single Drop Cyclone Valve

The current required for a Cyclone Valve is less than 1 amp.

☆	Power requirements	24-28vdc	Comp	=	Air Compressor either Inline or Compressor Module
▲	Power requirements 3 phase	208vac 400Hz	amps	=	Power requirements 3 phase 208vac 400Hz
~	Weight of Inline Compressor	9kg / 20lbs	SFP	=	Foam Injection System
#	Weight of Inline Compressor	11kg / 24lbs	DC	=	Direct Current 24-28 volts
0	Weight of Inline Compressor	18kg / 40lbs	AC	=	Alternating Current 208 volts, 3 phase
+	Weight of Inline Compressor	30kg / 66lbs			
	Weight per DC pump	9kg / 20lbs			
	Weight per AC pump	38kg / 83lbs			

Optional accessories available for the **Cloudburst Fire Bucket** range



Foam Injection

Attached to the side wall of the **Cloudburst Fire Bucket**, the **Foam Injection System** can deliver a timed volume of foam to the water within the bucket and is agitated during the water release by our unique pneumatic valve operation.

Foam Controller

The optional **Foam Controller** ensures the quantity of foam being injected into each load of water is accurate and consistent.



Long Line

Long Lines are manufactured specifically for the bucket and its features, with all necessary service lines encased within the zipped PVC protective cover.



Inline Compressors

The electrically powered **Inline Compressor** offers a lightweight and compact external load, providing a compressed air supply to the **Monsoon Valve**.

Level Limiters

Level Limiters can be installed if required to limit the volume of water carried within the **Cloudburst Fire Bucket**.

Simply remove the plug to allow the excess volume to be discharged from the bucket during the filling process.



Suitable for
CB2500M - CB5000M

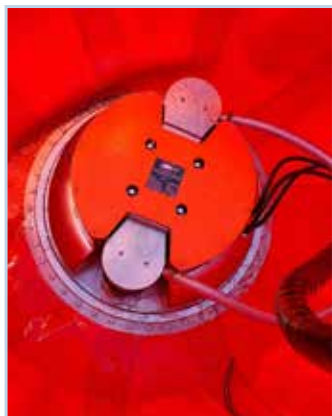


Suitable for
CB130M - CB2000M



Shallow Fill Pump DC

Developed to be both effective and easy to use, the 28VDC, 50 amp **Shallow Fill Pump** is built into the Monsoon Valve, providing mechanical protection when the bucket is manoeuvred into tight spaces for filling. With a filling rate in excess of 25 liters (6.6 gallons) per second per pump and a minimum filling depth required of 0.16 meters (6.3 inches) the **Shallow Fill Pump** is a vital tool when available water sources are limited.



Shallow Fill Pump AC

Shallow Fill Pump AC, a 3 phase 208VAC, 50 amp, 400HZ, 10hp pump at a flow rate of 100 liters (26 gallons) per second. This assembly has been designed to bolt onto the shell of the **Cloudburst Fire Bucket**, and is suitable for buckets of 2500 liters (658 gallon) or larger with either a **Monsoon** or **Cyclone Valve** fitted.



Power Distribution Module

Powered by the aircraft electrical power, the **Power Distribution Module** is a fully integrated system giving you control of all systems on your **Cloudburst Fire Bucket** including valve control, **Foam Injection** timing and **Shallow Fill Pump** control.

Compressor Module

The **Compressor Module** supplies the **Monsoon Valve** with the compressed air supply to operate the multi drop valve. With an air receiver inside this module, coupled with a receiver built into the valve, there is always a large store of compressed air to operate the bucket systems. This module can also incorporate control if required. Discuss this with the supplier.





Power and Control Module

This module has been designed to provide an auxiliary power supply and control to operate the **Cloudburst Fire Bucket** and associated accessories without the need to draw electrical power from the aircraft's electrical system.



Carry / Stowage Bag

Compact and tidy, all **Cloudburst Fire Buckets** up to and including the CB2000 come complete with a carry bag.

Achieve a
fast and
accurate
water
drop.





The 21st century features of the **Cloudburst Fire Bucket** provide rapid filling, fast valve operation, low maintenance and ease of use, making the **Cloudburst Fire Bucket** a wise investment.





**For all your helicopter equipment
needs, contact us today!**



IMS New Zealand Limited

P. +64 21 583 033 **E.** imssales@imsheli.com

FB. facebook.com/cloudburstfirebucket

www.imsheli.com