

AERIAL FIRE
SUPPRESSION
EQUIPMENT
imsheli.com



CLOUDBURST
FIRE BUCKET
a product by IMS

Cloudburst Fire Bucket

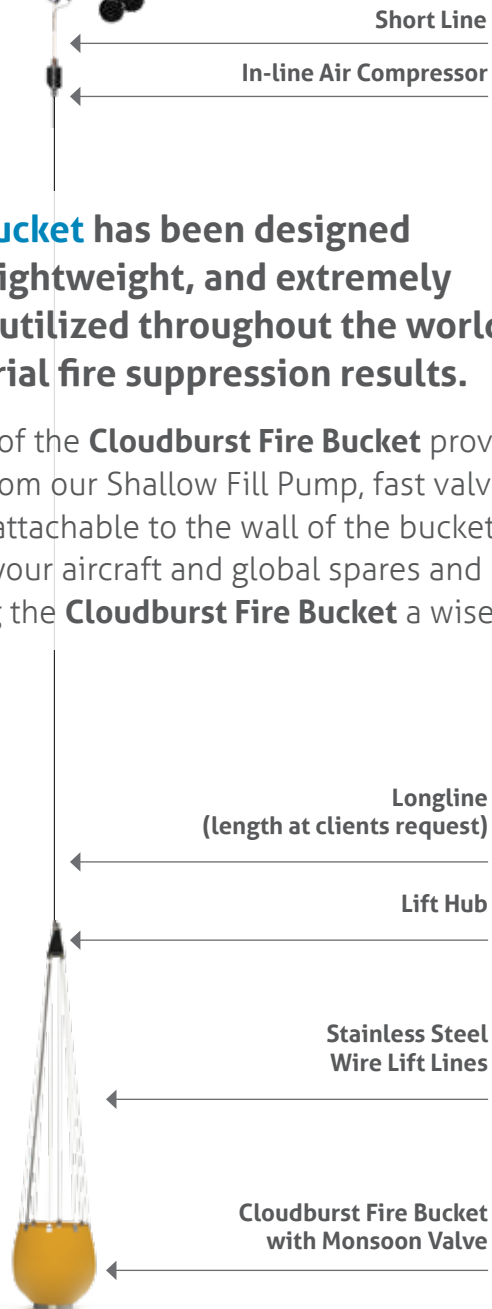


The **Cloudburst Fire Bucket** has been designed to be strong, simple, lightweight, and extremely effective and is being utilized throughout the world achieving superior aerial fire suppression results.

The 21st century features of the **Cloudburst Fire Bucket** provide rapid dip filling or filling from our Shallow Fill Pump, fast valve operation, foam bladders attachable to the wall of the bucket to keep chemical clear of your aircraft and global spares and after sales support making the **Cloudburst Fire Bucket** a wise investment.

Capacities

Capacity (US Gallons)	Capacity (Liters)
53	200
74	280
111	420
132	500
169	640
198	750
232	880
264	1000
317	1200
370	1400
423	1600
476	1800
528	2000
660	2500
793	3000
925	3500
1057	4000
1321	5000
1981	7500
2641	10000



A modern
and reliable
approach to
aerial fire
suppression.



Cloudburst Features

The **Cloudburst Fire Bucket** continues to be selected for many military and civilian operations around the world for its modern features, reliability and accuracy which is all backed up by a fast acting global support team.

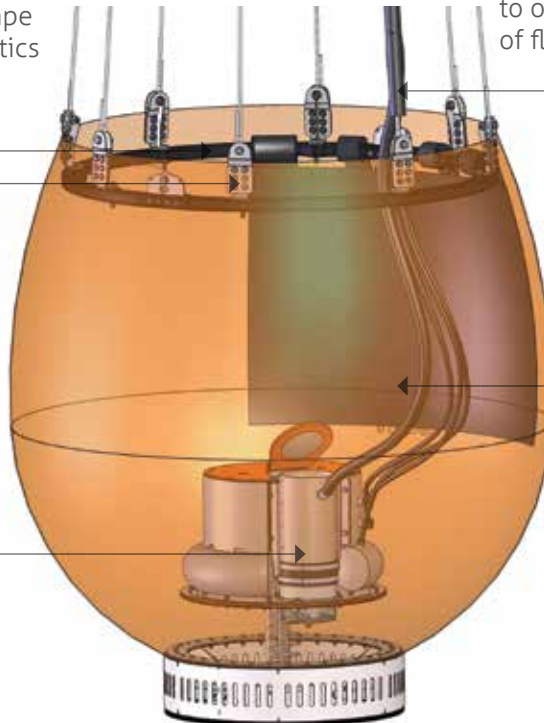
The bucket is made of a tough and durable fabric, an industry recognised super material that is durable yet flexible. It is strong, load bearing, and impact resistant, while also able to withstand high operating temperatures. The same material is used by the US Navy and US Coastguard because it is non-marking, has good UV stabilization and strongly resists the growth of algae and fungus.

The **Cloudburst Flexible Folding Ring** ensures the **Cloudburst Fire Bucket** retains its shape and flight characteristics and filling operation during use.

Stainless Steel Lift Lines and Lift Cleats to withstand a high level of abrasion and the various water sources used to fight fires.

Optional Shallow-Fill Pump used when water sources are not deep enough. Minimum depth 0.16m or 6.3 inches

Air supplied from either an approved turbine compressor modification or one of **Cloudburst Air Supply Systems**, will ensure that the **Monsoon Valve** is charged and ready to operate at any stage of flight



Optional The Cloudburst Foam Injection System is available across the range of models and simply attaches to the top ring and bucket wall offering a simple, effective, and reliable foam injection system.

Cloudburst Monsoon Valve

Utilizing pneumatics to actuate the **Cloudburst Monsoon Valve**, we are able to achieve a very fast and accurate water drop throughout the range of **Cloudburst Bucket** sizes.

Bucket split load distribution is simple and precise with the **Cloudburst Monsoon Valve**, and its simplicity makes maintenance and field servicing simple.



Monsoon Valve head, housing air receiver.

Fast valve actuation for precise split load distribution without compromise.

Stainless steel corrosion resistant valve and body with multi drop as standard provides a column of water for concentrated fire attack with an attachment available for a conical pattern for a more broad coverage.

Cloudburst Accessories

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



Long Line

Cloudburst Long Line systems are configured specifically for the bucket and helicopter combination, with all necessary service lines built into the zipped cover of the long line. The **Cloudburst Long Line** is available in your choice of length to suit your operation.

Cloudburst In-Line Compressors

The **Cloudburst In-Line Compressors** offer a lightweight and compact solution to the requirement for compressed air supply to the bucket. The unit is mounted in line and is jettisonable, requiring only electrical input from the helicopter. Systems are available for use with and without a long line fitted.



Cloudburst Shallow Fill Pump

Developed to be both effective and easy to use, the **Cloudburst Shallow Fill Pump** is built into the valve of the **Cloudburst Fire Bucket** giving it good 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, and a minimum filling depth required of 0.16 meters (6.3 inches), the **Cloudburst Shallow Fill Pump** is a vital tool when available water sources are limited.



Power Distribution Module

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



Cloudburst Compressor Module

The **Cloudburst Compressor Module** supplies the **Cloudburst Monsoon Series** with the necessary air supply to operate the **Multi Drop Valve**. With an air accumulator inside this unit coupled with an accumulator built into the valve, there is always a large store of compressed air to operate the bucket systems regardless of the stage of flight when bucket actuation is required. This Module can also incorporate control if required.

Discuss with 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 aircrafts electrical system.



Carry / Stowage bag

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



**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](https://www.facebook.com/cloudburstfirebucket)

www.imsheli.com