



CLOUDBURST

AERIAL FIRE SUPPRESSION

**DRIVING INNOVATION.
DELIVERING RESULTS.**

20 YEARS OF PROVEN PARTNERSHIP WITH AERIAL FIRE-FIGHTERS WORLDWIDE

A red helicopter is shown in flight, suspended by a long red line that extends down to a red bucket. The bucket is releasing a large spray of water onto a fire burning on the ground. The background is a hazy, smoke-filled sky.

CLOUDBURST FIRE BUCKET

CONSIDERATIONS WHEN SELECTING YOUR CLOUDBURST

DO YOU REQUIRE THE FOLLOWING?

- > Additive Injection capability
- > An auxiliary power source
Useful when aircraft electrical
power is not available
- > Shallow-Fill Pump
- > Hard or Soft Shell
Hard Shell has vertical battens

ELECTRICAL POWER

Refer to the power requirements
table on page 18 for details.

LONG LINE

Length can be determined by the customer.

*A Long Line of 50ft/15m or greater is always
recommended with the Cloudburst Fire Bucket.*



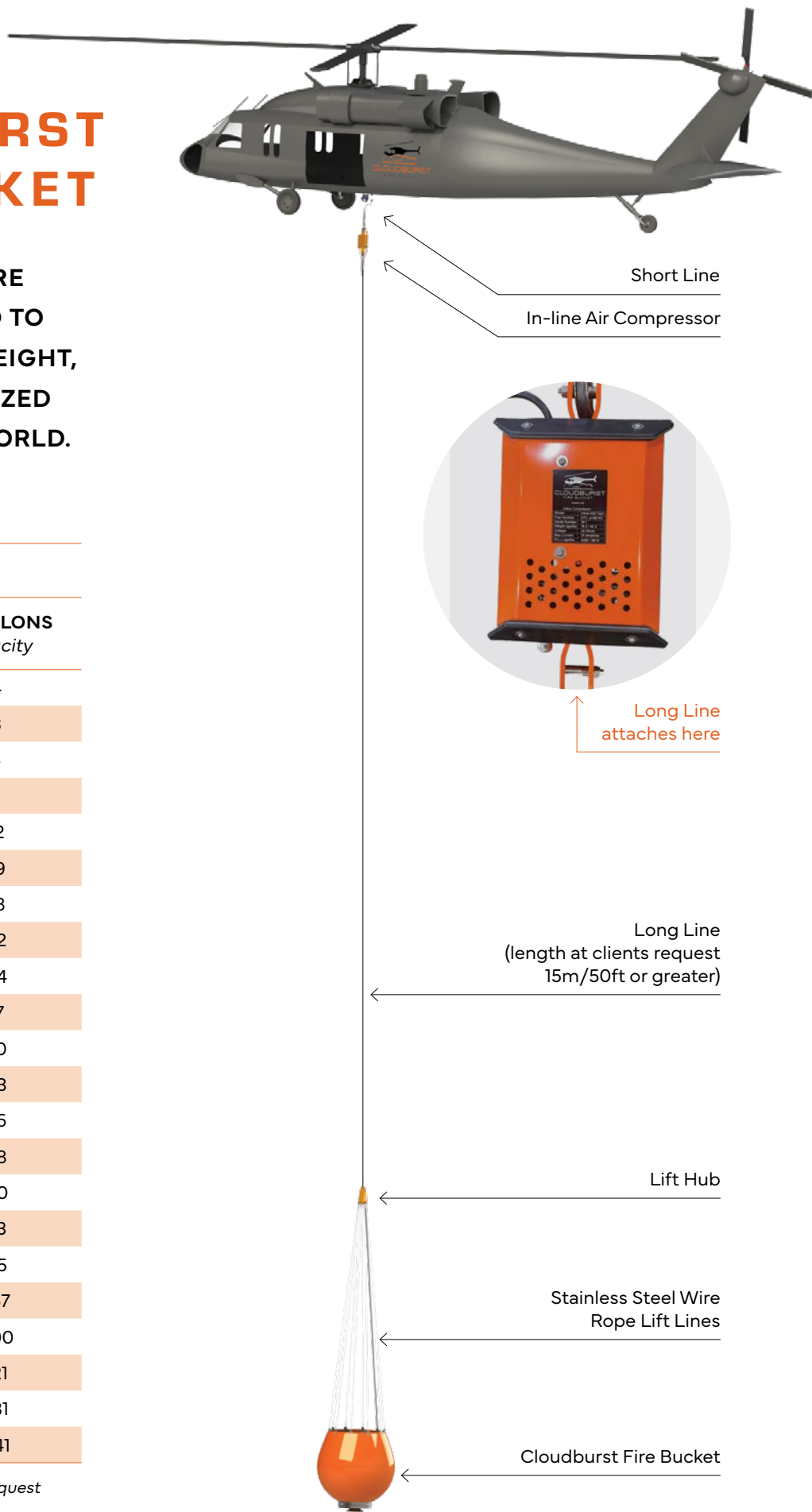
CLOUDBURST FIRE BUCKET

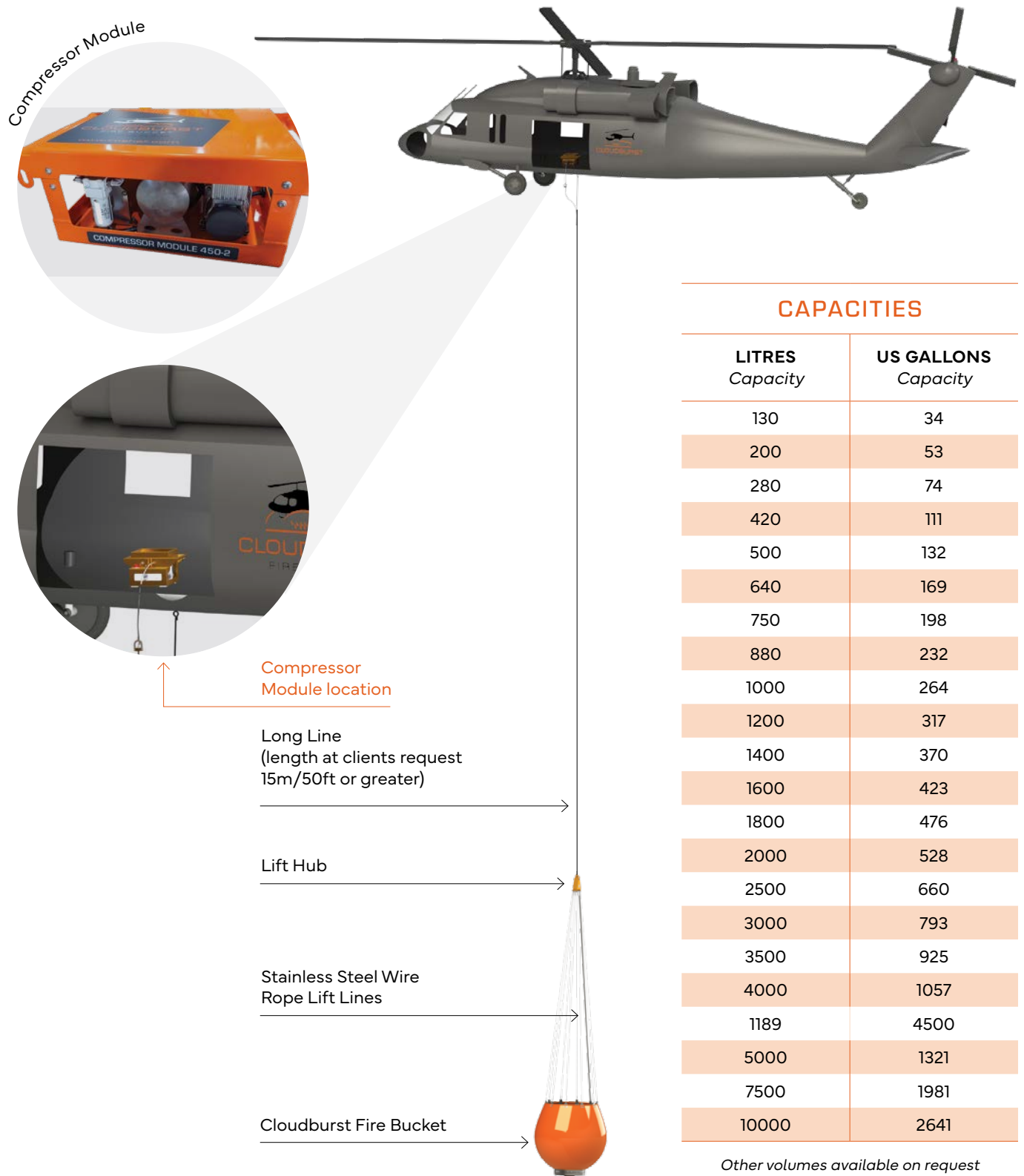
THE CLOUDBURST FIRE
BUCKET IS DESIGNED TO
BE STRONG, LIGHTWEIGHT,
EFFECTIVE AND UTILIZED
THROUGHOUT THE WORLD.

CAPACITIES

LITRES Capacity	US GALLONS Capacity
130	34
200	53
280	74
420	111
500	132
640	169
750	198
880	232
1000	264
1200	317
1400	370
1600	423
1800	476
2000	528
2500	660
3000	793
3500	925
4000	1057
1189	4500
5000	1321
7500	1981
10000	2641

Other volumes available on request





Configuration 2 requires a Compressor Module, located inside the aircraft that provides compressed air supply to the Cloudburst Fire Bucket. 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.

CLOUDBURST FEATURES

THE MODERN AND RELIABLE APPROACH TO AERIAL FIRE SUPPRESSION

The Cloudburst Fire Bucket is the wise investment for military and civilian operations worldwide, with modern features, reliability, and proven design.

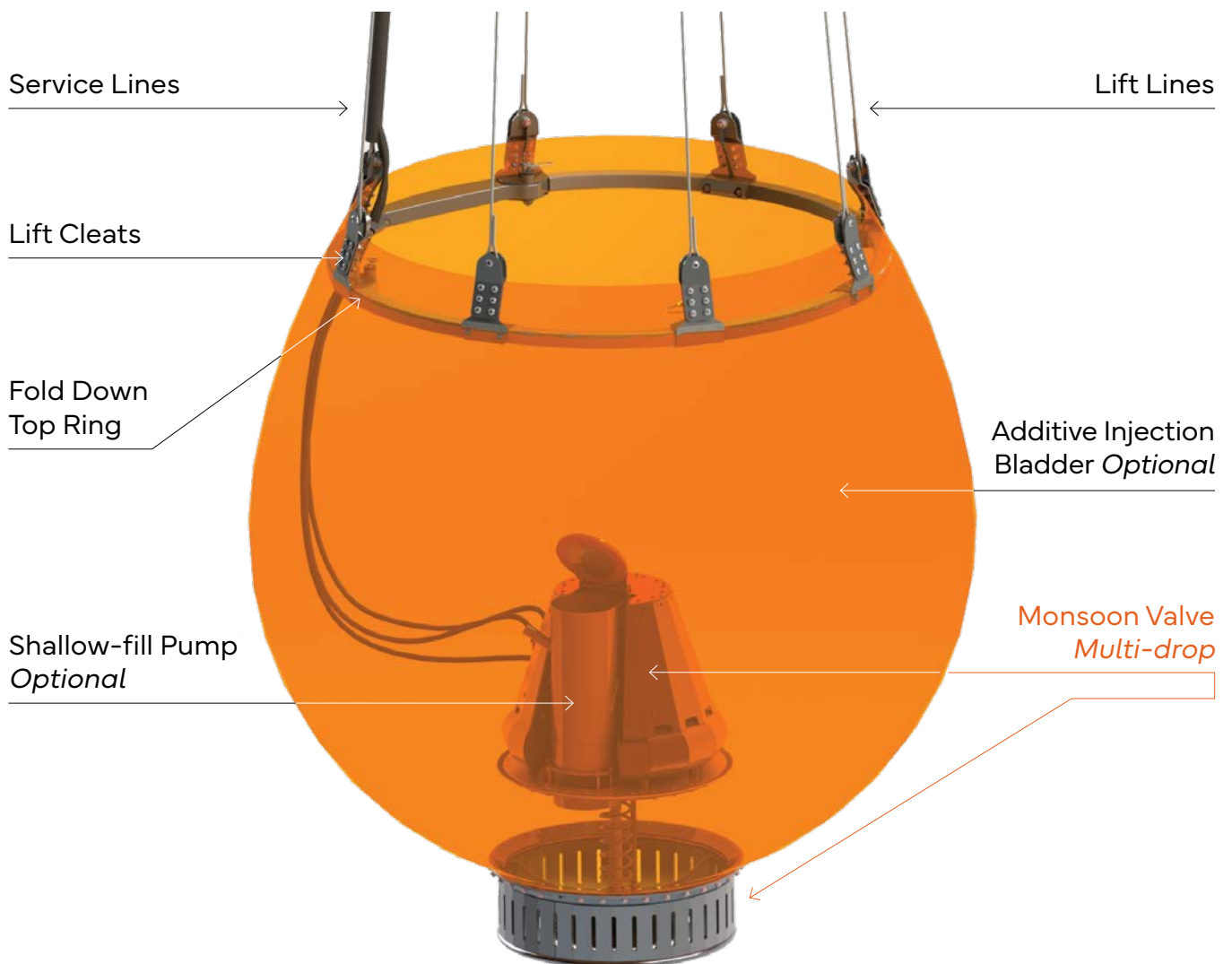
The Cloudburst Fire Bucket is made of tough and durable PVC, an industry -recognized super material that is tough and flexible. It is strong, load-bearing, impact-resistant, and capable of withstanding high operating temperatures. This material is chosen for its strength, excellent UV stabilization,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



AERIAL FIRE FIGHTING CLOUDBURST FIRE BUCKET

Available in either Hard Shell or Soft Shell options. The Monsoon Valve can be opened and closed multiple times per bucket load.

Please note - Valve size relates to bucket volume, refer to the table on page 18.



VALVE MONSOON VALVE

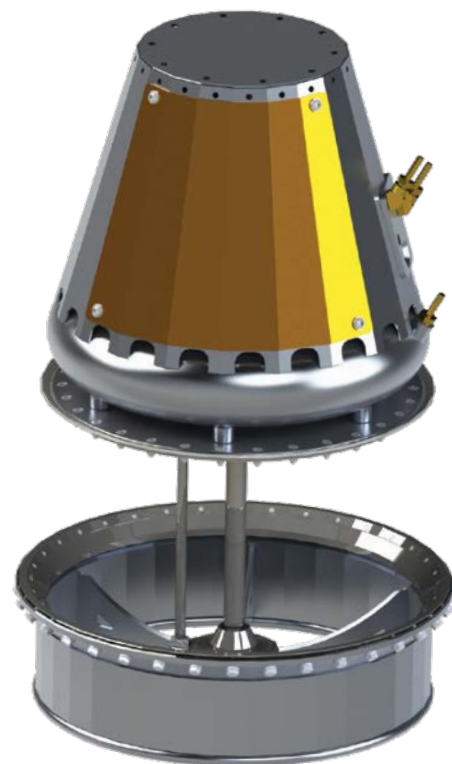
The Monsoon Valve requires electrical power to operate and to open/close, providing fast and reliable water release.

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 when required.



> MONSOON VALVE BENEFITS

- Shallow-fill Pump option
- Multi-drop
- Low maintenance
- User friendly



> INITIAL ATTACK MONSOON VALVE BENEFITS

- Fits in Cargo Basket
- Multi-drop
- Low maintenance
- User friendly

ACCESSORIES

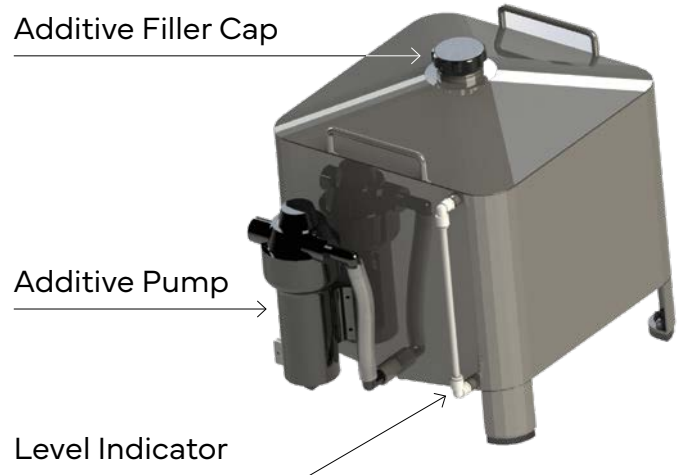
ADDITIVE INJECTION

> ADDITIVE INJECTION OPTIONS

There is a choice of either a bladder that attaches to the internal side wall of the Cloudburst Fire Bucket, or a rigid tank that is stored in the aircraft cabin.

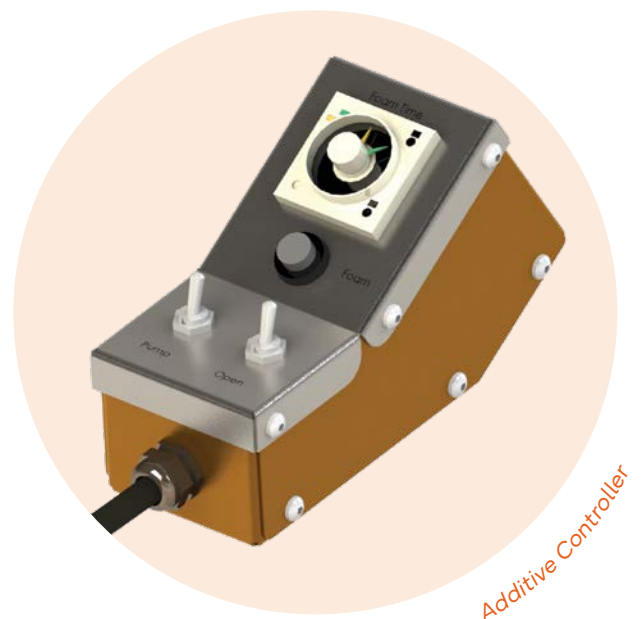


Either Additive Injection System can deliver a timed volume of chemical into the bucket of water. Agitation will occur during the water release.



> ADDITIVE CONTROLLER

The optional Additive Controller ensures the quantity of chemical being injected into each load of water is accurate and consistent.





ACCESSORIES

AC PUMPS

> SHALLOW-FILL PUMP AC

Shallow-fill Pump AC, a 3 phase 208VAC, 50 amp, 400HZ, 10hp pump at a flow rate of 100 litres (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 litres (658 gallon) or larger with a Monsoon Valve fitted.



SHELL MOUNTED AC PUMP

AS A FAMILY COMPANY, MANAGED
BY OUR FOUNDER, WE ASSIST
OUR CLIENTS DIRECTLY. INSURING
SPEED AND CUSTOMISED SERVICE.

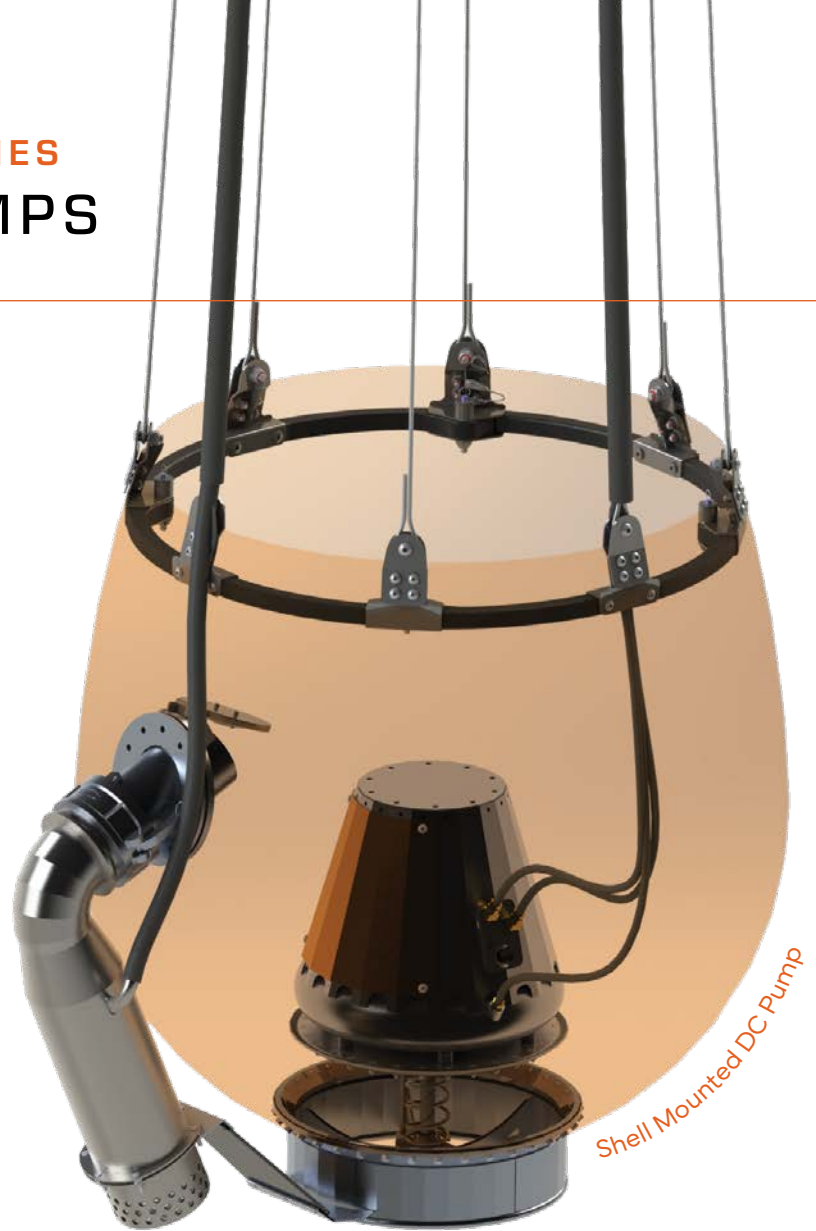


ACCESSORIES DC PUMPS

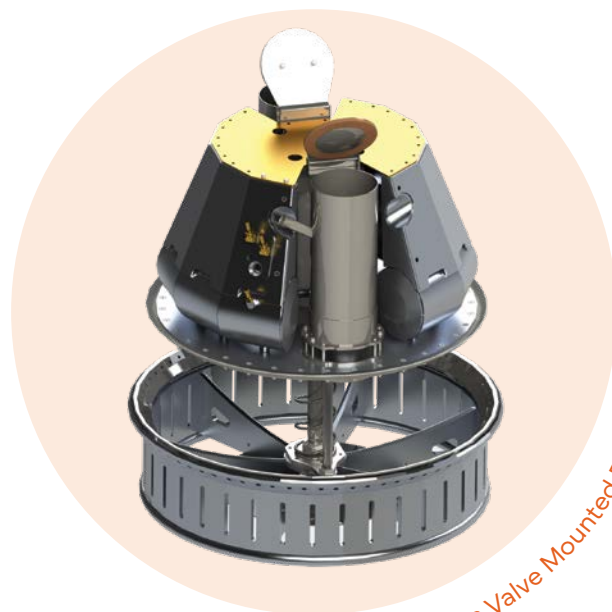
> SHALLOW-FILL PUMP DC

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 litres (6.6 gallons) per second per pump and a minimum filling depth required of 0.2 meters (8 inches) the Shallow-fill Pump is a vital tool when available water sources are limited.



Monsoon Valve Mounted DC (Single)



Monsoon Valve Mounted DC (Dual)



FAST AND ACCURATE

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 reliable, long-term investment.



ACCESSORIES

LIMITERS/LINES/STOWAGE



Level Limiters

> 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.

> LONG LINES

Long Lines are manufactured specifically for our clients' requirements with all services encased within the zipped PVC protective cover.

Further information on Page 20.



> CARRY/STOWAGE BAG

Compact and tidy, all Cloudburst Fire Buckets up to and including the CB5000 come complete with a Carry Bag.



ACCESSORIES

INLINE COMPRESSORS

> INLINE COMPRESSORS

The electrically powered Inline Compressor offers a lightweight and compact external load, providing a compressed air supply to the Cloudburst Fire Bucket.



Suitable for
CB1600 - CB5000



Suitable for
CB130 - CB1400

Model	Voltage DC	Air Flow at 0 psi feet ³ /min	Maximum Current Draw Amps	Weight kg / lb
IL250-12-1	12	1	6	9 / 20
IL250-24-1	24	1	6	9 / 20
IL450-24-1	24	2.2	13	11 / 24
IL450-24-2	24	4.4	26	18 / 40
IL450-24-3	24	6.6	39	30 / 66

ACCESSORIES MODULES

> COMPRESSOR MODULE

The Compressor Module supplies the Monsoon Valve with the compressed air supply to operate.



Model	Voltage DC	Air Flow at 0 psi feet ³ /min	Maximum Current Draw Amps	Weight kg / lb
CM250-12-1	12	1	6	9.6 / 21
CM250-24-1	24	1	6	9.6 / 21
CM450-24-1	24	2.2	13	13 / 29
CM450-24-2	24	4.4	26	18 / 40
CM450-24-3	24	6.6	39	26 / 57

> 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.



Model	Voltage DC	Ah	Weight kg / lb
PCM-6	24	6	9.6 / 21
PCM-18	24	18	18 / 40
PCM-36	24	36	31 / 68
PCM-80	24	80	68 / 150
PCM-120	24	120	80 / 176
PCM-165	24	165	122 / 296
PCM-270	24	270	184 / 405



CLOUDBURST
FIRE BUCKET



HELIicopter EQUIPMENT SPECIALISTS

ACCESSORIES MODULES

> COMPRESSOR, POWER AND CONTROL MODULE

This module is very similar to the Power Control Module. It also contains an air compressor.

Model	Voltage DC	Ah	Weight kg / lb
CPCM-250-24-22	24	22	40 / 88
CPCM-250-24-36	24	36	51 / 112
CPCM-450-24-80	24	80	71 / 157
CPCM-450-24-2-80	24	80	80 / 176
CPCM-450-24-120	24	120	86 / 190
CPCM-450-24-2-120	24	120	94 / 207
CPCM-450-24-165	24	165	126 / 278
CPCM-450-24-2-165	24	165	134 / 295
CPCM-450-24-270	24	270	182 / 401
CPCM-450-24-2-270	24	270	192 / 423



CLOUDBURST SPECIFICATIONS

Model	Litres	USG	Bucket Weight lb #	Bucket Weight kg #	Current 28vdc	Air Compressor weight	SFP current 28vdc	Qty DC SFP	SFP current 208vac	SFP Flow 208vac L/sec (Gal/sec)	AIS amps 28vdc	AIS Weight
CB130	130	34	60	27	7.5	9kg / 20lb					3	2kg / 4.5lb
CB200	200	53	61	28	7.5	9kg / 20lb					3	2kg / 4.5lb
CB280	280	74	64	29	7.5	9kg / 20lb					3	2kg / 4.5lb
CB420	420	111	84	38	7.5	9kg / 20lb	35	1			3	3kg / 6.6lb
CB500	500	132	86	39	7.5	9kg / 20lb	35	1			3	3kg / 6.6lb
CB640	640	168	90	41	7.5	9kg / 20lb	35	1			3	3kg / 6.6lb
CB750	750	197	92	42	7.5	9kg / 20lb	35	1			3	3kg / 6.6lb
CB880	880	232	99	45	15	11kg / 24lb	50	1			3	4kg / 8.8lb
CB1000	1000	263	101	46	15	11kg / 24lb	50	1			3	4kg / 8.8lb
CB1200	1200	316	130	59	15	11kg / 24lb	50	1			6	5kg / 11lb
CB1400	1400	368	135	61	15	11kg / 24lb	50	1			6	5kg / 11lb
CB1600	1600	421	151	69	15	11kg / 24lb	50	1			6	5kg / 11lb
CB1800	1800	474	168	76	15	11kg / 24lb	100	2	50	100 (26)	6	6kg / 13/b
CB2000	2000	526	229	104	15	11kg / 24lb	100	2	50	100 (26)	6	6kg / 13/b
CB2500	2500	658	305	139	25	18kg / 40lb	100	2	50	100 (26)	9	8kg / 17.6/b
CB3000	3000	789	324	147	25	18kg / 40lb	100	2	50	100 (26)	9	8kg / 17.6/b
CB3500	3500	921	348	158	25	18kg / 40lb	100	2	50	100 (26)	9	10kg / 22lb
CB4000	4000	1053	372	169	25	18kg / 40lb	100	2	50	100 (26)	9	13kg / 28.6lb
CB4500	4500	1184	379	172	25	18kg / 40lb	100	2	50	100 (26)	9	13kg / 28.6lb
CB5000	5000	1316	387	176	25	18kg / 40lb	100	2	50	100 (26)	9	13kg / 28.6lb
CB7500	7500	1974	420	191	40	38kg / 83lb			50	100 (26)	12	18kg / 39.6lb
CB10000	10000	2632	454	206	40	38kg / 83lb			50	100 (26)	12	18kg / 39.6lb

COMP	Air Compressor
SFP	Shallow-fill Pump
AIS	Additive Injection System
#	Excludes battens and any ballast

IMS SPECIALIST EQUIPMENT IMS FIRE LIGHTER

> SAFE, CONTROLLED BURN-OFFS

Manufactured from corrosion resistant Stainless Steel the IMS Fire Lighter withstands harsh environments and products.

The user-friendly design includes a 150mm (6-inch) filler cap and a manual product agitator. Additionally, a variable speed controller, accessible during operation, controls the flow rate of the product, and the pump and igniter turn on and off simultaneously when switched at the pilot controls.



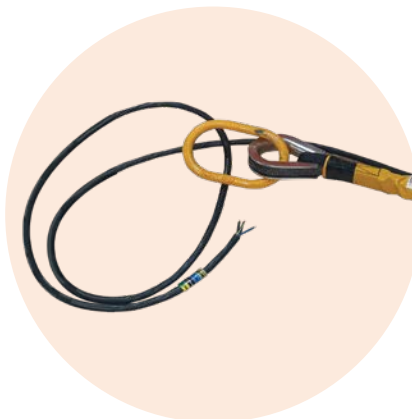
IMS LIFTING EQUIPMENT LONG LINES

> LONG LINES

IMS Long Lines come in standard lengths of 50ft (15m), 100ft (30m), 150ft (45m), 200ft (60m), or the length can be customized for specific purpose.

These Long Lines are made from low-stretch Dynice Dux SK75 rope with a smooth polyurethane impregnation, which enhances abrasion resistance. These ropes offer a high strength-to-weight ratio.

The protective sheaths are constructed from durable and waterproof PVC with UV protective stitching. They are designed to incorporate electrical cables and pneumatic/hydraulic hoses as needed.

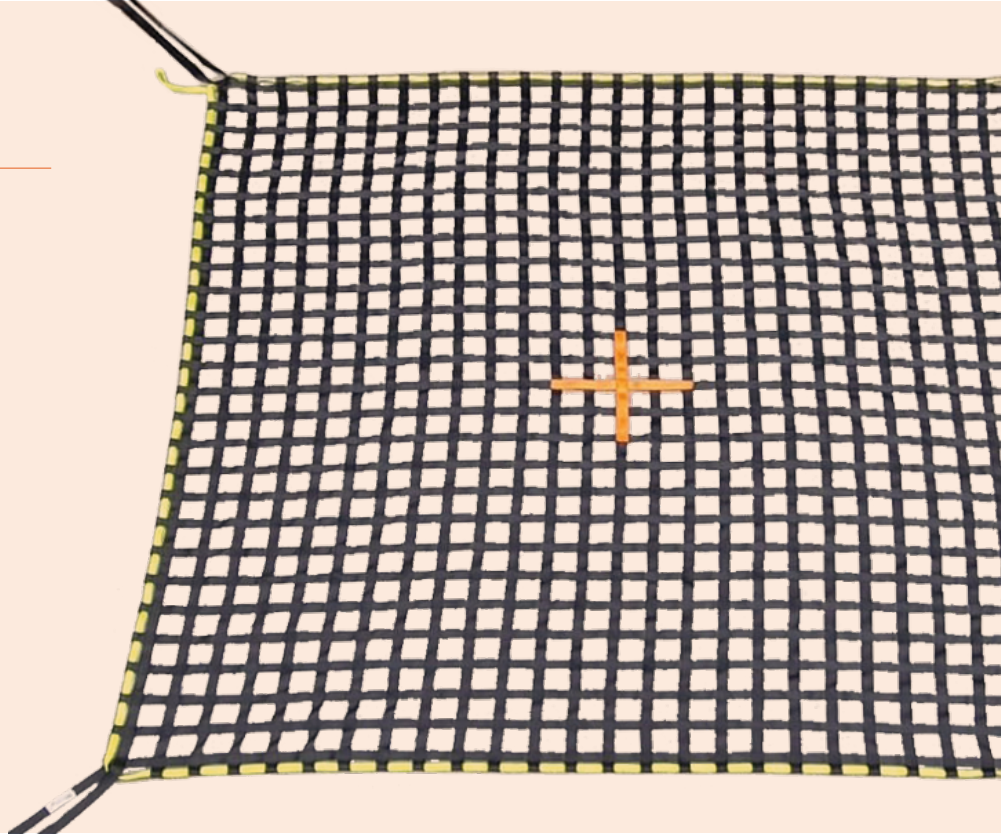


IMS LIFTING EQUIPMENT CARGO NETS

> CARGO NETS

Ground-Effect Cargo Nets can be manufactured to suit your needs.

All Cargo Nets come with certification and a carry bag. Please contact our team for assistance.



Compact - Easily rolled and stored in Carry Bag



Carry Bag

IMS LIFTING EQUIPMENT SWIVELS AND HOOKS

> MANUAL AND REMOTE HOOKS

We hold a range of remote hooks, which come complete with a full cage and wiring loom to match our swivels. We offer assistance and ongoing product support for required airworthiness inspections and overhauls. There are many manual hook combinations that may be suitable for your specific needs. Please get in contact to discuss further.



> MULTI-HOOK CAROUSELS

Multi-Hook Carousels are manufactured in 2-10 hook combinations. These multi-drop delivery systems are versatile and reliable, making the placement of multiple loads efficient and specific.



> SWIVELS

We produce a range of high-quality swivels suitable for any type of helicopter, with an emphasis on reliability and smooth operation. Electrical services are available on Swivels, and they can be configured to suit any Long Line/accessory configuration.





**IMS IS YOUR TRUSTED SOURCE
FOR HELICOPTER EQUIPMENT
— GET IN TOUCH TODAY**

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