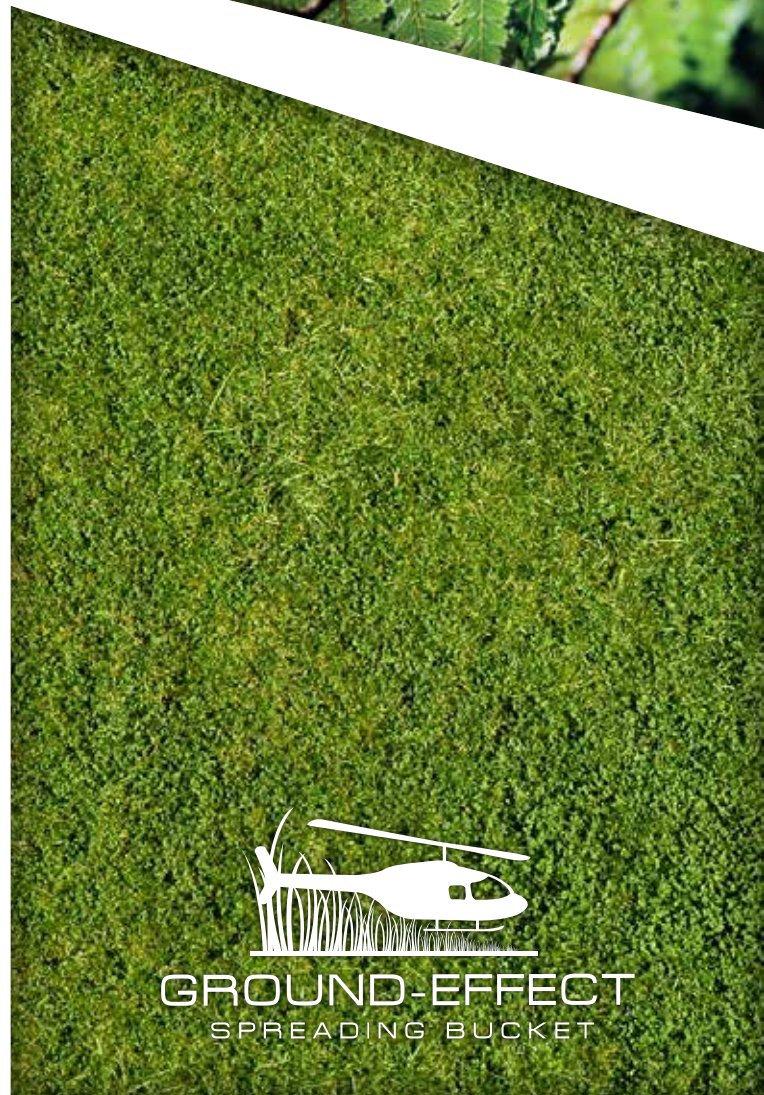
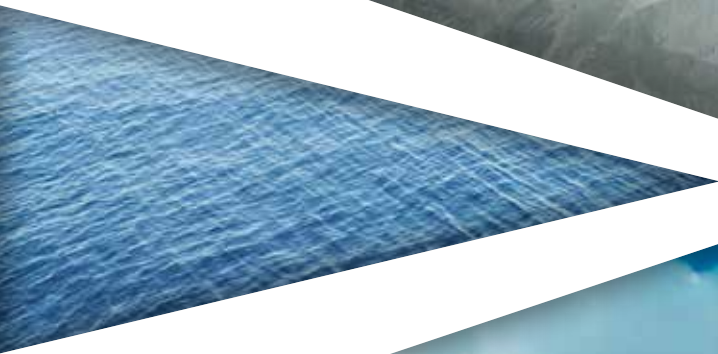


# IMS PRODUCT GUIDE



[www.imsltd.co.nz](http://www.imsltd.co.nz)

'**Cloudburst**' a proven solution to fire suppression. A tough and durable fire fighting arsenal, the Cloudburst Fire Bucket offers fast valve operation and rapid dip fill speed which is standard with all buckets sold. Multi drop is available in the Pneumatic valve options.

### Monsoon valve:

This valve design has been developed for use on fires where a broader drop pattern is required and the fire fuel is less dense. Ideal for grass fires or laying down fire breaks. The Skirt can be fitted quickly to the Monsoon valve in the field changing the drop pattern to a more concentrated and direct water drop.

Available in Pneumatic or Electric options.

### Carry bag:

Compact and tidy, all Cloudburst fire buckets come complete with a carry bag.

### ADDITIONAL OPTIONS:

#### Pneumatic Foam injection:

##### Optional

Enclosed within the bucket is the unique, compact and effective foam injection system. Due to the systems design and characteristics the foam is injected into the volume of water at a measured quantity and mixed thoroughly, guaranteeing 100% foam/water mix.

#### Electric Foam Injection:

##### Optional

Retrofit able, the foam bladder (complete with an electric pump) is now available. This unit can be fitted into the Cloudburst bucket to provide a foam dosing system. This is required to be done during the manufacture of the Cloudburst bucket







# CLOUDBURST FIRE BUCKET

'A PROVEN DESIGN'



## VOLUME

US Gallons	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

Stainless Steel Lift Hub for equal load distribution and housing of switching valves.

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

The bucket is made of tough and durable urethane, an industry recognised super to material that is durable yet flexible. It is strong, load bearing, and impact resistant, while also able to withstand high operating temperatures. This 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.

Stainless steel Corrosion Resistant valve and valve body with a quick attach skirt to intensify the swath of the water being released down to approximately 600mm or 2 feet.

Air Supply from a Pneuflo in-line compressor or direct from Aircraft Bleed Air ensuring the valve is charged and ready to operate at any stage of flight.

The Cloudburst incorporates a self contained foam injection system which is activated by a simple push of a button mounted in the Aircraft.

Valve head, housing pneumatic foam pump, air fittings and air receiver.



# PNEUFLOW COMPRESSOR SPECIFICATIONS

## Dedicated compressor for your IMS equipment

IMS New Zealand offers the option of an in-line PneufLOW compressor designed specifically for the range of Pneumatic operated Cloudburst Fire Buckets.

The PneufLOW compressor replaces the standard lift hub assembly and incorporates all valves and fittings and the compressor within a compact protective case.

The In-line PneufLOW air compressor charges the Cloudburst fire bucket built-in air receiver. This stored compressed air is available for instant response time when opening and closing the dump valve.



**IN-LINE  
COMPRESSOR**



# LONGLINES

## Looking for Longline Options suited to your equipment without a limited life?

IMS New Zealand supply long lines to suit any configuration of helicopter and equipment including standard and custom lengths and 'one off' layouts.

All IMS Longlines come standard with a protective cover and heavy duty carry / stowage bag. All lines are manufactured from Dynex Dux 75.

The Dynex Dux 75 is a new generation of ultra high performance ropes. The rope is very firm and compact with smooth surface.

The pre-stretching ensures that accurate length of rope can be measured directly without any pretension. The ropes are impregnated to improve abrasion resistance and endurance.

IMS Longlines are tested and certified with a Working Load Limit (WLL) with a safety factor of 12 to 1 and come with individual certification and a maintenance program.



## A robust and effective Skip for a wide range of products

A full range of underslung skips are available to suit your specific needs with a range of volumes and release configurations including Pneumatic, Electric and Manual operation. The tough and effective IMS Skips are suitable for concrete positioning and masonry product handling and are available in Mild steel and Aluminium construction.

### VOLUME

US Gallons	Liters	Cubic Feet
40	150	5.3
53	200	7
66	250	8.8
79	300	10.6
92	350	12.4
106	400	14.1
119	450	15.9
132	500	17.6
145	550	19
158	600	21
171	650	23
184	700	24



## Looking for a reliable portable water source that is quick and easy to use?

The all in one Aqua Dam has been developed as a simple and compact water dam that is quick and easy to set up, dismantle and transport. We understand that when you need to use a dam like this, time and ease of use is paramount.

### It's so quick and easy to use!

Simply unzip the bag and pull out the attached dam and ground sheet and spread out. Aqua Dams are manufactured to any volume.

Please contact us to discuss your requirements.

### CAPACITIES

Litres	US Gallons
5000	1316
10,000	2632
15,000	3947
20,000	5263
25,000	6579



## The vital tool for your aerial media application

Designed to be strong, light weight and to provide an even spread distribution the Ground-Effect Spreading bucket will ensure that your investment will provide maximum return.



## Ground-Effect Spreader Bucket

A Light weight and robust design, the Ground Effect Spreading bucket is a vital tool for your operation.

### VOLUME

US Gallons	Liters	Cubic Feet
53	200*	7
79	300*	10.6
106	400*	14.1
148	560*	19.8
198	750*	26.5
251	950*	33.5
316	1200	40.6
355	1350	45.9
396	1500	53
436	1650	58.3

Custom enquiries welcome

\* Collapsible bucket options available as well



## Trickle feed auger

Used to apply a constant narrow line of product. Has variable speed control for different application rates.



## Bucket mounted compressor

Used where bleed air from the aircraft is not available and compressed air is the preferred energy source for the slide valve operation.



## Product agitator

Maximizes product flow to the spinner and reduces product bridging in hopper.





# CONVEYOR LOADER

## Looking for a fast and efficient way of loading your Ground-Effect spreading bucket?

### Try our loading system!

Designed specifically for the industry, this system will minimize loading and flight times.

Loads granulated products into a Ground-Effect bucket in seconds. Providing the correct weight every time.



The Ground-Effect Conveyor Loader incorporates a pre programmable load cell system to ensure precise bucket loading each time without the need for manual input saving you time and ensuring effortless accuracy and consistency with each job.

The Ground-Effect Conveyor loader is designed with the operator in mind and incorporates features to eliminate product waste, optimize efficiency and have low maintenance requirements.

*The Conveyor Loader system comes in a range of sizes and configurations to suit your operation.*

**For more information, contact us.**



# CUSTOM DESIGN AND FABRICATION

IMS New Zealand Limited prides itself on working hard to meet the ever changing needs of the helicopter industry both locally and internationally.

We offer engineering design facilities to ensure your investment is tailored directly to your needs and preferences.



**To discuss a package tailored to your operation or to get a quote, give the team at IMS Helicopter Equipment Specialists a call today!**



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