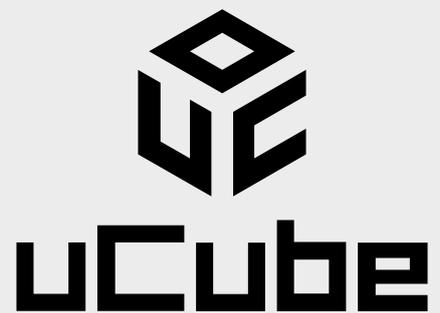


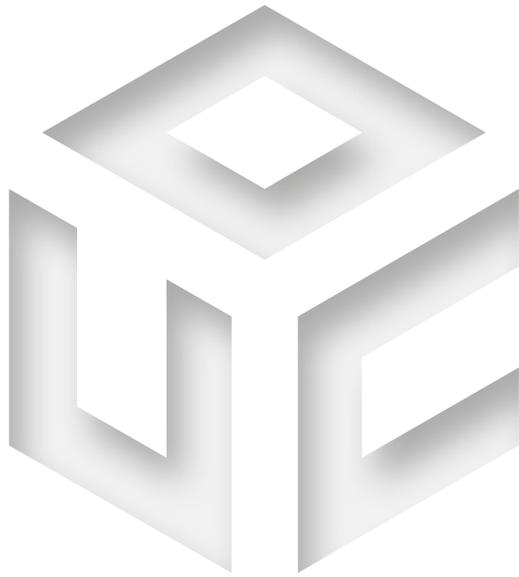
# The Universal Cube



[www.ucube.swiss](http://www.ucube.swiss)

**AEREM**<sup>®</sup>  
TO FILTER & PROTECT

Produced by Aerem  
[www.aerem.com](http://www.aerem.com)



# Summary

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# The Universal Cube

uCube was developed by AEREM, based on the inertia separation technology using the best of the existing and recyclable raw materials, namely cardboard and polyester. The mix of these materials gave the best loading capacity and filtration efficiency. Our universal cube was born in early 2019 and adapted to heavy paints. It is the highest loading capacity filter on the market.

Aerem Industrie group developed in 2023 the SPRAYMESH filter. This expanded paper type filter, together with our Andreae filters line and our UCUBE filters line, positions Aerem as the only over spray exhaust filter manufacturer in the world with a full range of filters meeting all paint types and all spray booth configurations.

This accumulated knowledge led us to develop (available mid-2024) a new version of our uCube integrating our new Spraymesh filter technology dedicated to fast drying paints.

All our research and development make our global uCube range an easy product to assemble and to install, reducing costs and optimizing transport and storage.



# TECHNOLOGIES

## HEAVY

### Loader:

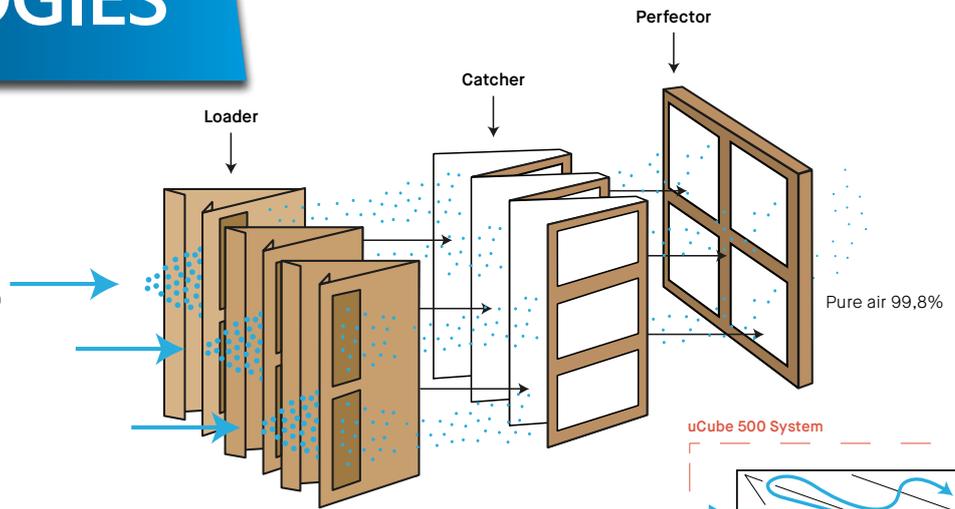
At first, the oversized inertia separation principle will allow to filter over 75% of heavy paints.

### Catcher:

Then, the Catcher will stop 24% of the extra paint thanks to its polyester filter.

### Perfector:

And finally, the Perfector will trap the remaining particles to achieve a 99,8% filtration efficiency.



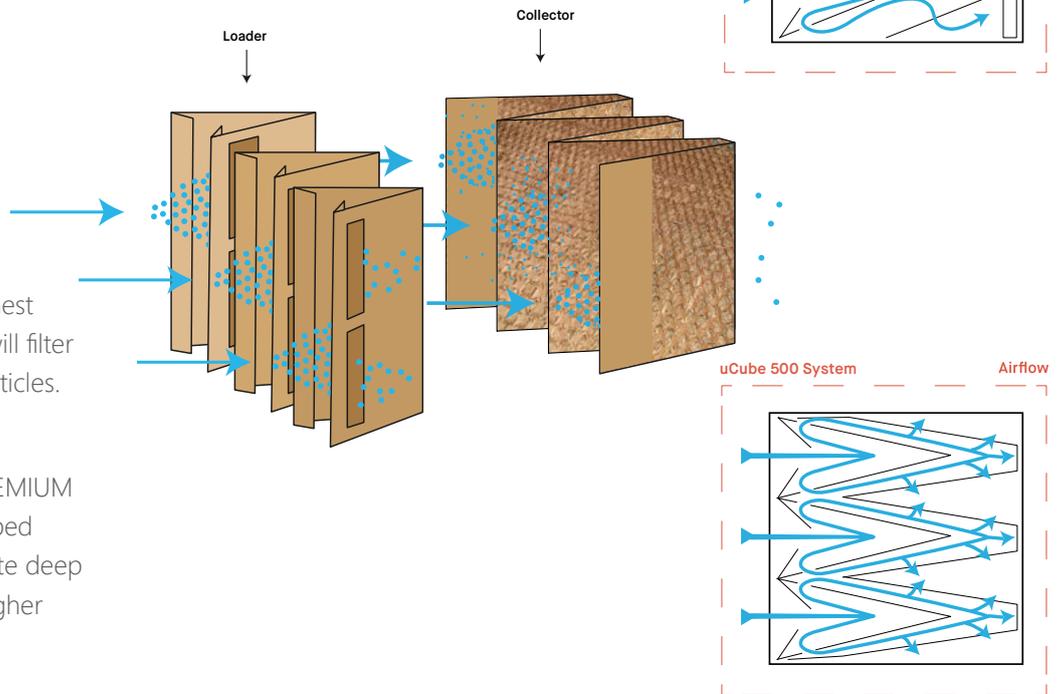
## MEDIUM

### Loader:

As a first filtration step, a thinnest inertia separation principle will filter the biggest sprayed paint particles.

### Collector:

SprayMesh CAPACITY or PREMIUM fixed on a strong funnel shaped cardboard structure will create deep deposit areas and allow a higher efficiency.



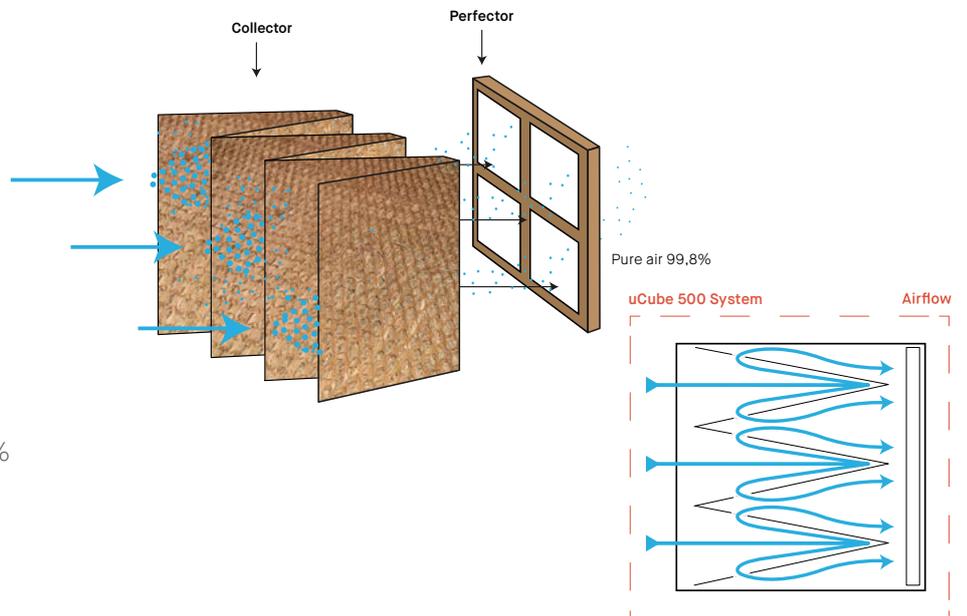
## LIGHT

### Collector:

Spraymesh CAPACITY paint collector; 8 layers of woven paper mesh fixed on a strong cardboard structure to create deep deposit areas.

### Perfector:

And finally, the Perfector will trap the remaining particles to achieve a 99,8% filtration efficiency. Available in 2 different grades of paint particles filtration.



# Why choose uCube ?

- ✓ The widest cube range adapted to all paint types and applications
- ✓ Modular systems
- ✓ Cost efficient
- ✓ Up to 100 kg loading capacity/m<sup>2</sup> – 55 lbs/cube\*
- ✓ Efficiency up to 99.45 %
- ✓ Quick Installation
- ✓ Optimized transport costs

\* depending on paint type



## HEAVY

The uCube H range is dedicated to heavy, sticky paints which dry slowly like primers, adhesives, bake dry enamels, epoxies, frit, etc..

✓ Loading: up to 120kg/m<sup>2</sup>

✓ Efficiency: up to 99,45%



## MEDIUM

The uCube M range is an intermediary uCube dedicated to medium-light and water based paints. Its double technology allows it to be the most universal cube for most of industries like car industry and subcontracting, cosmetic, plastic, metal industries, etc ...

✓ Loading: up to 90 kg/m<sup>2</sup>

✓ Efficiency: up to 99%

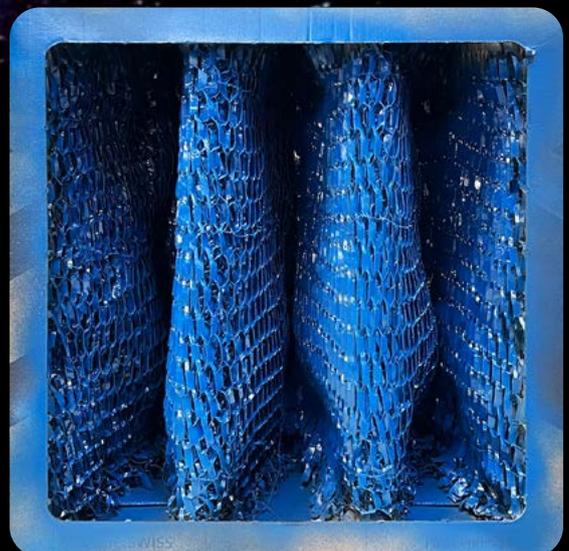


## LIGHT

The uCube L range is dedicated to fast dry light paints like air-dry enamels, clear coats, nitrocellulose, air-dry primers, etc..

✓ Loading: up to 80 kg/m<sup>2</sup>

✓ Efficiency: up to 99%



# HEAVY

## 300

### Dimensions:

**Length:** 48,7 cm - 19 11/64 in

**Height:** 48,7 cm - 19 11/64 in

**Width:** 29,7 cm - 11 16/16 in

**Recommended Air Velocity:** 0.8 to 2 m/s  
– 160 to 400 ft/min

**Initial Pressure Drop:** 20 Pa at 0.8 m/s to 90 Pa at 2 m/s  
0.08" WC at 150 ft/min to 0.35" WC at 400 ft/min

**Max Pressure Drop:** 1000 Pa – 4" WC

## 500

### Dimensions:

**Length:** 48,7 cm - 19 11/64 in

**Height:** 48,7 cm - 19 11/64 in

**Width:** 49,7 cm - 19 9/16 in

**Recommended Air Velocity:** 0.8 to 2 m/s  
– 160 to 400 ft/min

**Initial Pressure Drop:** 35 Pa at 0.8 m/s to 130 Pa at 2 m/s  
0.14" WC at 150 ft/min to 0.5" WC at 400 ft/min

**Max Pressure Drop:** 1000 Pa – 4" WC

## 300



**Code:** UC300H1



## 500



**Code:** UC500H1



# 300



**Codes:**

1. Collector + catcher with Spraymesh Capacity : UC300M00
2. Collector + catcher with Spraymesh Premium : UC300M10



# 500



**Codes:**

1. Collector + catcher with Spraymesh Capacity : UC500M00
2. Collector + catcher with Spraymesh Premium : UC500M10

## MEDIUM

### 300

**Dimensions:**

**Length:** 48,7 cm - 19 11/64 in

**Height:** 48,7 cm - 19 11/64 in

**Width:** 29,7 cm - 11 16/16 in

**Recommended Air Velocity:** 0.8 to 2 m/s  
– 160 to 400 ft/min

**Initial Pressure Drop:** 20 Pa at 0.8 m/s to 90 Pa at 2 m/s  
0.08" WC at 150 ft/min to 0.35" WC at 400 ft/min

**Max Pressure Drop:** 1000 Pa – 4" WC



Available with polyester layer for a better efficiency

### 500

**Dimensions:**

**Length:** 48,7 cm - 19 11/64 in

**Height:** 48,7 cm - 19 11/64 in

**Width:** 49,7 cm - 19 9/16 in

**Recommended Air Velocity:** 0.8 to 2 m/s  
– 160 to 400 ft/min

**Initial Pressure Drop:** 35 Pa at 0.8 m/s to 130 Pa at 2 m/s  
0.14" WC at 150 ft/min to 0.5" WC at 400 ft/min

**Max Pressure Drop:** 1000 Pa – 4" WC

# LIGHT

Available in 3 different versions to improve find the best balance loading / efficiency according to paint type :

1. Collector
2. Collector + perfector with dedicated paint polyester
3. Collector + perfector with air filtration polyester
4. Collector + perfector with fiber glass

## 300

### Dimensions:

**Length:** 48,7 cm - 19 11/64 in

**Height:** 48,7 cm - 19 11/64 in

**Width:** 29,7 cm - 11 16/16 in

**Recommended Air Velocity:** 0.3 to 1.5 m/s  
– 160 to 400 ft/min

**Initial Pressure Drop:** 10 Pa at 0.8 m/s to 85 Pa at 2 m/s  
0.04" WC at 150 ft/min to 0.35" WC at 400 ft/min

**Max Pressure Drop:** 1000 Pa – 4" WC

## 500

### Dimensions:

**Length:** 48,7 cm - 19 11/64 in

**Height:** 48,7 cm - 19 11/64 in

**Width:** 49,7 cm - 19 9/16 in

**Recommended Air Velocity:** 0.3 to 1.5 m/s  
– 100 to 300 ft/min

**Initial Pressure Drop:** 12 Pa at 0.8 m/s to 100 Pa at 2 m/s  
0.105" WC at 150 ft/min to 0.4" WC at 400 ft/min

**Max Pressure Drop:** 1000 Pa – 4" WC

## 300



### Codes:

1. Collector : UC300L800
2. Collector + perfector with dedicated paint polyester : UC300L801
3. Collector + perfector with air filtration polyester : UC300L802
4. Collector + perfector with fiber glass : UC300L803

## 500



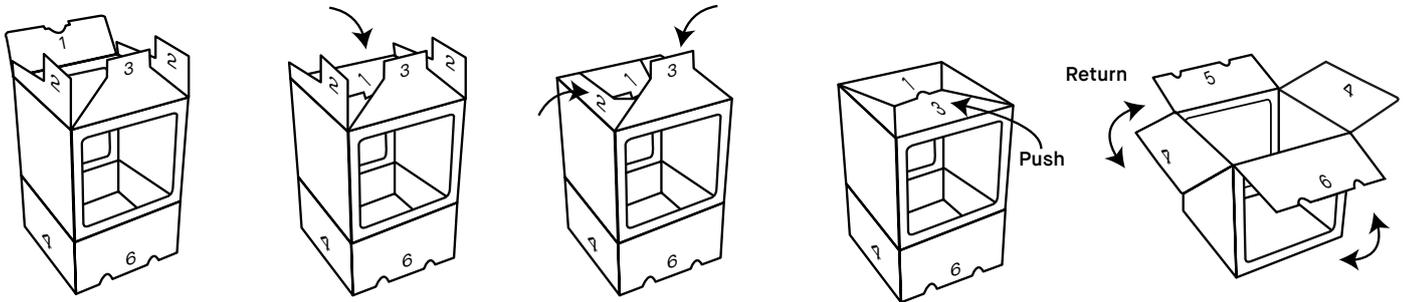
### Codes:

1. Collector : UC500L800
2. Collector + perfector with dedicated paint polyester : UC500L801
3. Collector + perfector with air filtration polyester : UC500L802
4. Collector + perfector with fiber glass : UC500L803

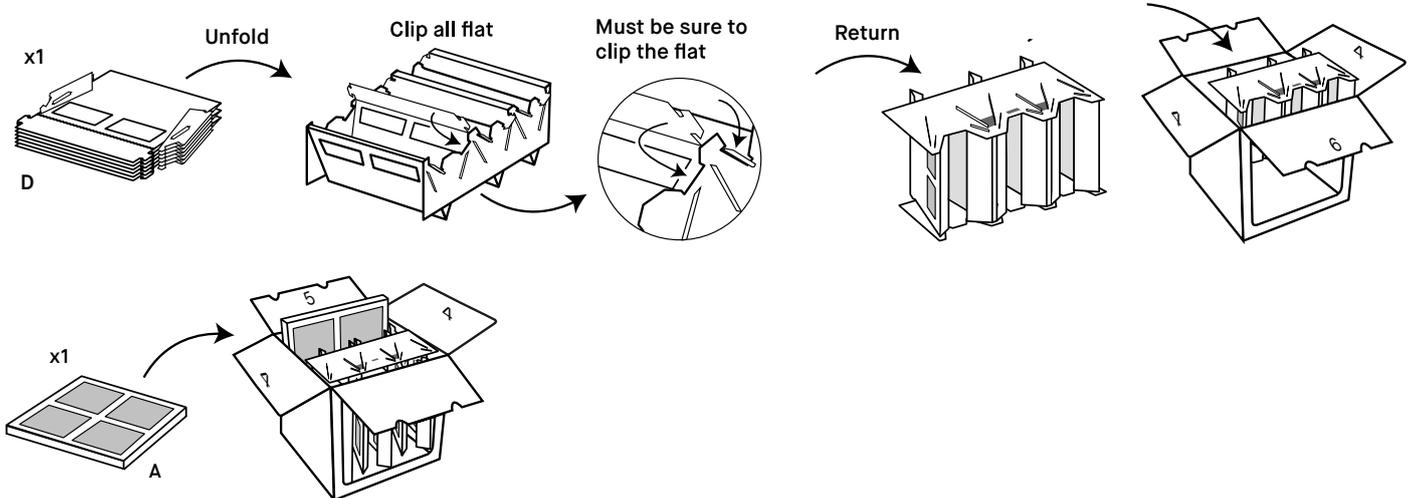


# HEAVY - INSTALLATION GUIDE 300 & 500

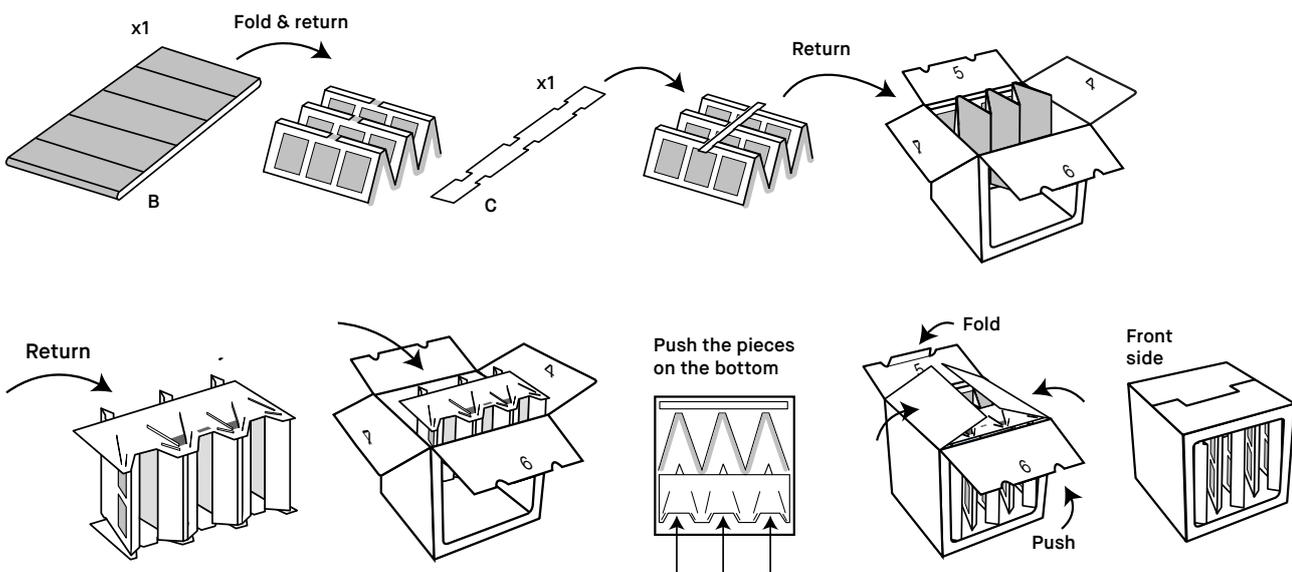
Same box, multiple  
versions adapted to  
application types.



## 300



## 500

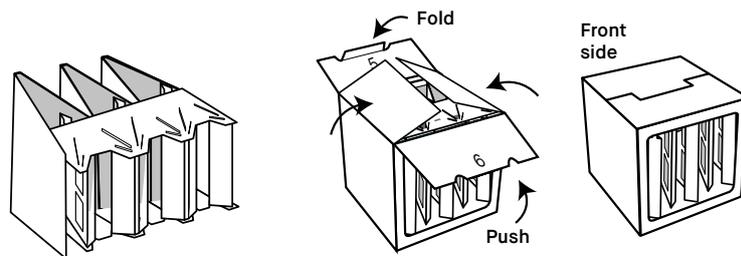
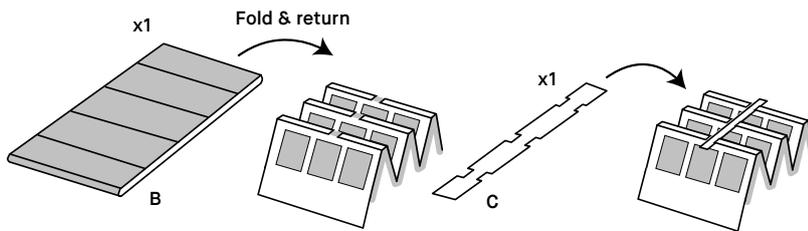
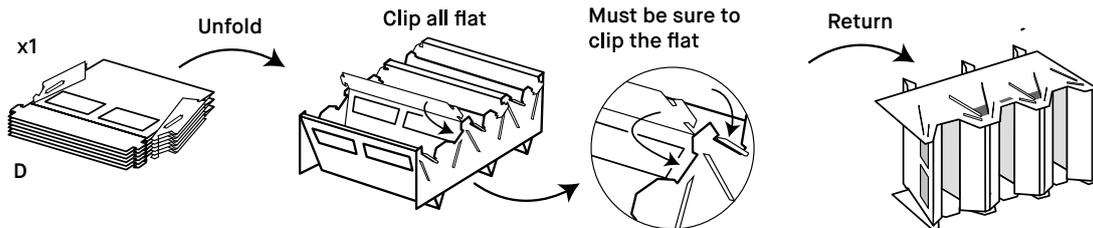
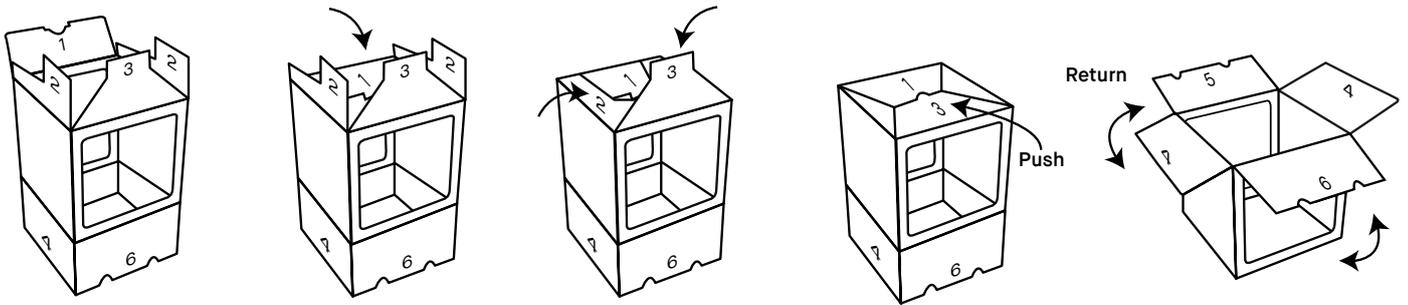


The set-up videos are available here:  
[www.ucube.swiss](http://www.ucube.swiss)  
Aerem Youtube Channel

# MEDIUM - INSTALLATION GUIDE 300 & 500

Perfector should be  
installed according to  
Ucube type

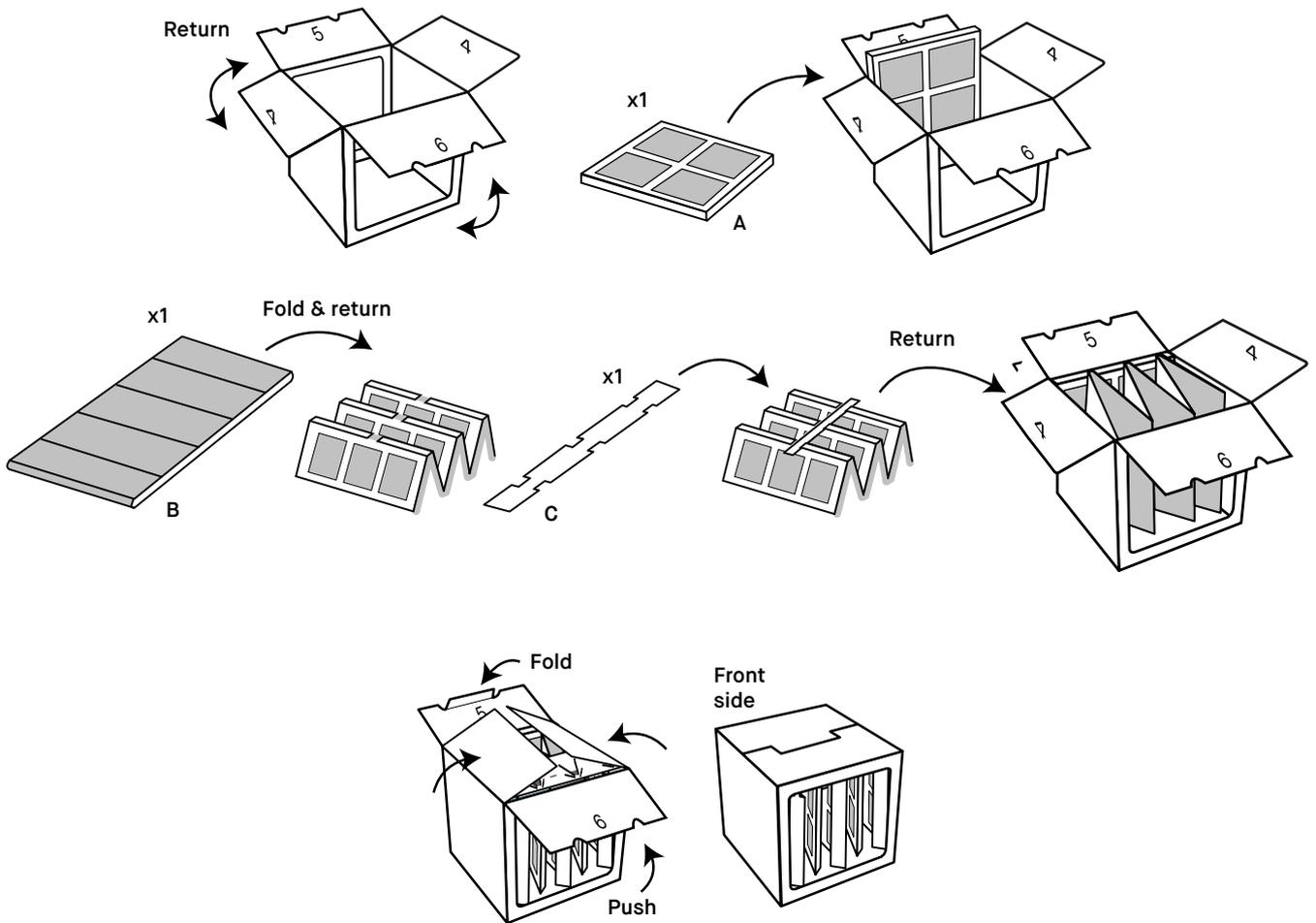
## 300 & 500



# LIGHT - INSTALLATION GUIDE 300 & 500

Perfector should be  
installed according to  
Ucube type

## 300 & 500



# Spraying Room

A full filtration wall for all spray booths





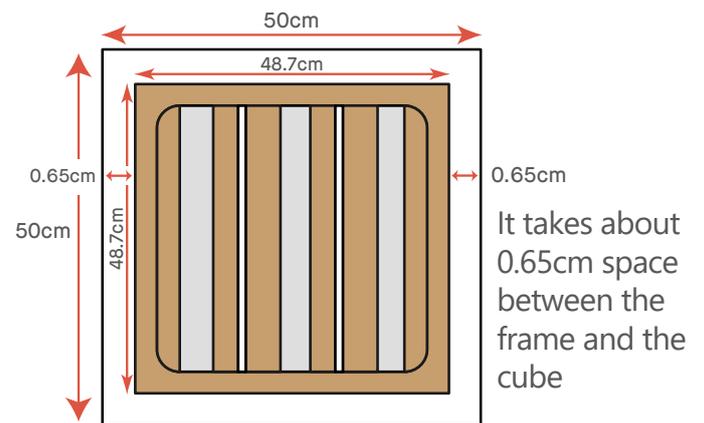
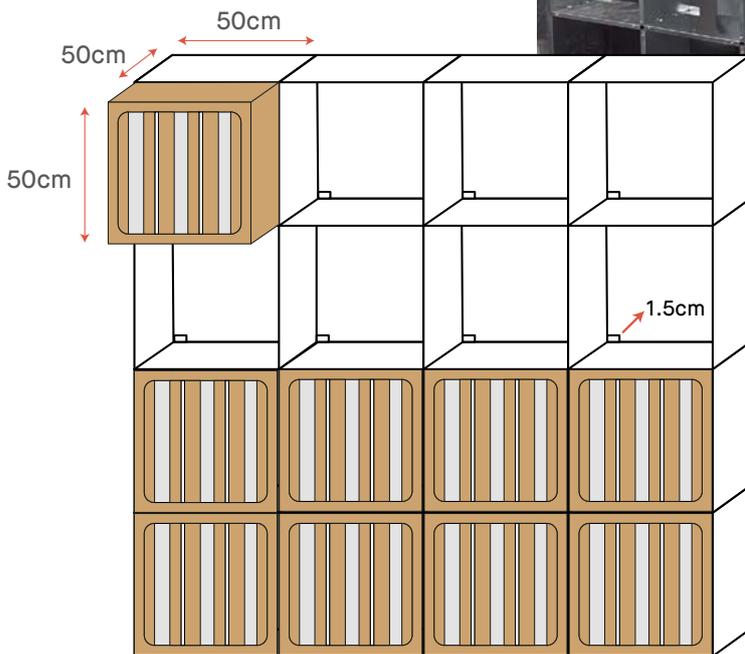
# uCube Cabin Installation



Whatever Ucube you choose, installation mode is the same.



①



②



Apply tape all around the frame to maintain the cube.

We offer uCube 500 or uCube 300 depending on the space you have for the installation depth.

# AEREM<sup>®</sup>

## TO FILTER & PROTECT

### OUR MISSION

---

Aerem focuses on its customers and partners needs in the finishing industry. Every relationship is a privileged partnership based on professionalism, dialog and trust. Delivering the best service with performant, environmentally friendly quality products easy to dispose of is our commitment since 1963.

Our mission is to develop, manufacture and supply high performant filtration and protection products for spray booths that aim to keep a clean and safe working environment while enhancing the spray booths productivity.

### OUR VISION

---

Aerem's ambition is to affirm its position by becoming an international multi-brand company focused on the global finishing industry with a wide variety of renowned and innovative filtration and protection products.

### OUR VALUES

---

Aerem is above all a work of men and women united around the world for the success of the Group. They all share the same values in a solidarity and caring climate.



#### ENVIRONMENT

Protecting the environment is the responsibility of everyone. Aerem uses recycled raw materials in all of its products. Our sharply tuned and performant production processes results in low waste and low energy consumption.



#### CUSTOMER CARE

Because all our customers are important, our priority is to support them in their projects, build and maintain a long-term partnership to be able to bring the answers adapted to each need. Over 900 distributors around the world trust us.



#### PROTECTION

We seriously consider the need to protect the operator and provide a secure working environment through our products and services. This is why our filters are free of polluting or toxic products. They can be stored, handled and incinerated or landfilled safely.



#### MULTICULTURALISM

Aerem is a selfie of multiculturalism and diversity. Our teams are made of men and women of different languages, cultures and origins. It is in this spirit of openness and diversity that we seek to build a partnership with you.



#### RESPECT & INTEGRITY

We treat others with respect and comply with all internal and external norms and regulations. We strive to always act with transparency and honesty.

Visit our website: **[www.ucube.swiss](http://www.ucube.swiss)**

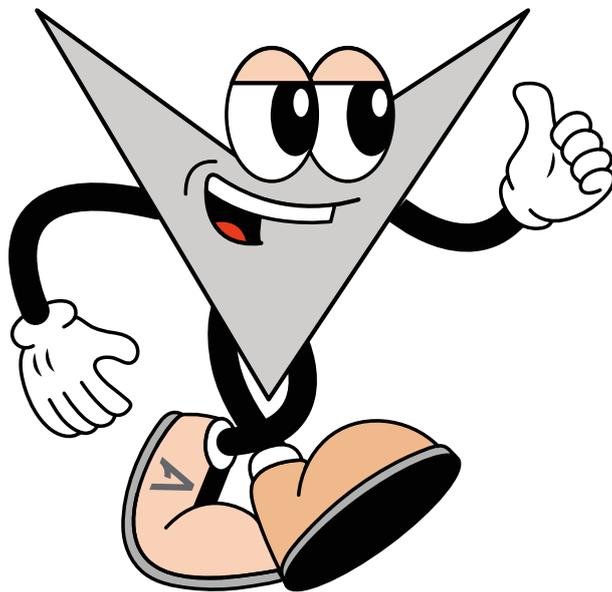
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For America : **[customers.ame@aerem.com](mailto:customers.ame@aerem.com)**

For Asia: **[customers.api@aerem.com](mailto:customers.api@aerem.com)**

For **quotes** or **orders**, contact one of our sales representatives located in your region.





# AEREM LOCATIONS WORLDWIDE



## AMERICAS



### CANADA

5000 Rue Hickmore  
Saint-Laurent, QC H4T 1K6  
Tel: +1 514-375-7100  
Customers.ame@aerem.com



### USA

422 2<sup>nd</sup> Ave NW  
Ardmore, OK 73401  
Tel: +1 866 263 7323  
Customers.ame@aerem.com

## EUROPE



### SWITZERLAND

Rue du Jeu de L'Arc 15  
CH - 1207 Genève  
Tel: +41 21 869 93 63  
Customers.eur@aerem.com



### POLAND

ul. Lubczyńska 6 F  
PL - 70-895 Szczecin  
Tel: +48 91 884 90 00  
Customers.eur@aerem.com

## ASIA-PACIFIC



### VIETNAM

Workshop No. 54, road No. 1-7 Long  
Thanh Industrial Zone  
Long Thanh district, Dong Nai province  
Tel: +84-251-352-6688  
Customers.api@aerem.com



### HONG-KONG

20th Floor, Euro Trade Center  
21-23 Des Voeux Road Central  
Tel: +852 2824 8156  
Customers.api@aerem.com

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