



# Kontrol Kube Advanced Owners Manual

**KONTROL KUBE®**

# Basic Operation

## Section 4: Quick Set Up of the unit

1. Follow **Part B** and **Part D** from *Initial Setup, Section 1: Initial set up of Enclosure*.

## Section 5: Attaching Flanges

*When flanges are not being used they should be removed and stored.*

### Part A: Attaching anteroom flange

1. Zip anteroom flange to one of doors located on the wide side of the unit and ensure that the zipper is completely zippered.

### Part B: Attaching connector flange

1. Zip connector flange to door located on the narrow end of the unit and ensure that the zipper is completely zippered.
2. Secure Velcro on the bottom of the flange to the outside of the containment unit adjacent to the bottom of the connector flange.

# Applications

When not be used remove all unnecessary flanges for the unit.

## Section 1: Construction and Maintenance

### Part A: Overhead containment access

1. Raise and position the unit under the work area as instructed in *Basic Operation, Section 1: Raising and Positioning* (pg.X).
2. **Ensure that all four casters on the unit wheel base are locked before entering the unit.**
3. When properly raised, the top of enclosure should rest against the ceiling.
4. Open ceiling zippers as necessary to access work area.
5. Attach the negative air machine as instructed in *Initial Setup, Section 3: Attaching Negative Air Machine* (pg. x) and turn on. See *Kontrol Kube Negative Air Machine Manual* for complete operating instructions.
6. If needed, open pressure relief panel located on the same end as the negative air machine ports.
7. When inside containment make sure that doors are closed and Velcro located on the bottom of the doors are secured to the enclosure.



8. **Follow all applicable infection control and containment procedures.**

### Part B: Wall containment

1. Raise and position the unit against the wall work area as instructed in *Basic Operation, Section 1: Raising and Positioning* (pg.X). **Check to make sure that the unit is tight against the wall.**
2. **Ensure that all four casters on the unit wheel base are locked before entering the unit.**
3. From inside the unit unzip the door which is against the wall work area. Roll door up and secure with Velcro straps located inside and outside the unit above the door panel.
4. Attach the negative air machine as instructed in *Initial Setup, Section 3: Attaching Negative Air Machine* (pg. x) and turn on. See *Kontrol Kube Negative Air Machine Manual* for complete operating instructions.
5. If needed, open pressure relief panel located on the same end as the negative air machine ports.
6. When inside containment make sure that any door which does not need to be open is closed and Velcro located on the bottom of the doors are secured to the enclosure.
7. **Follow all applicable infection control and containment procedures.**
8. **When using the unit on the unit wheel base ensure that the unit is sufficiently close to the wall work area to prevent material from falling down between the unit and wall work area. If this is not possible remove the unit from the base and tape the bottom of the enclosure to the wall to prevent material from falling between the open door on the unit and wall work area.**

### Part C: Anteroom containment.

1. **When used as an anteroom the unit must sit on the floor without the unit wheel base.**
2. Attach anteroom flanges to the enclosure on the side of the unit which will be against the construction doorway as instructed in *Basic Operation, Section 5: Attaching Flanges*.
3. Raise and position the unit against the construction doorway as instructed in *Basic Operation, Section 1: Raising and Positioning* (pg.X). **Unit must not be sitting on the unit wheel base.**

# Applications

4. From inside the unit unzip the door which is against the construction doorway. Roll door up and secure with Velcro straps located inside and outside the unit above the door panel.
5. Tape anteroom flange to the outside of the construction doorway. **Ensure that the entire flange is securely fastened and that there are no gaps.**
6. Attach the negative air machine as instructed in *Initial Setup, Section 3: Attaching Negative Air Machine* (pg. x) and turn on. See *Kontrol Kube Negative Air Machine Manual* for complete operating instructions.
7. If needed, open pressure relief panel located on the same end as the negative air machine ports.
8. **Follow all applicable infection control and containment procedures.**

## Section 2: Short Term Airborne Infection Isolation

### Part A: Anteroom containment

1. **When used as an anteroom the unit must sit on the floor without the unit wheel base.**
2. Attach anteroom flanges to the enclosure on the side of the unit which will be against the isolation doorway as instructed in *Basic Operation, Section 5: Attaching Flanges*.
3. Raise and position the unit against the isolation doorway as instructed in *Basic Operation, Section 1: Raising and Positioning* (pg.X). Unit must not be sitting on the unit wheel base.
4. From inside the unit unzip door which is against the isolation doorway. Roll door up and secure with Velcro straps located inside and outside the unit above the door panel.
5. Tape anteroom flange to the outside of the construction doorway. **Ensure that the entire flange is securely fastened and that there are no gaps.**
6. Attach the negative air machine as instructed in *Initial Setup, Section 3: Attaching Negative Air Machine* (pg. x) and turn on. See *Kontrol Kube Negative Air Machine Manual* for complete operating instructions.
7. If needed, open pressure relief panel located on the same end as the negative air machine ports.
8. **Follow all applicable infection control and containment requirements. Ensure that proper procedure is followed when entering and existing the isolation area including the opening and closing of the unit doors.**

## Section 3: Multi Unit Configurations

By using the connector flanges multiple units can be joined together forming a larger containment area. By doing so it is possible to work on larger ceiling or wall areas, create three state decontamination and/ or allows multiple workers inside the containment area. The configuration can be customized to meet the requirements of a specific situation.

1. **When used as a multi unit configuration the units must sit on the floor without the unit wheel bases.**
2. Attach one side of the connector flange to each unit as instructed in *Basic Operation, Section 5: Attaching Flanges*.
3. Follow appropriate instructions found in Application, Section 1 or 2 for the type of containment required.
4. **Follow all applicable infection control and containment procedures.**

# Limited Warranty

Fiberlock Technologies, Inc. ("Fiberlock") warrants Kontrol Kube products against defect in material or workmanship for the time periods and as set forth below. Pursuant to this Limited Warranty, Fiberlock will, at its option, (i) repair the product or (ii) replace the product. **In the event of a defect, these are your exclusive remedies.**

**Advanced Enclosures (6546/6547)** - For a period of 1 year from the original date of purchase of product, Fiberlock will repair or replace, at its option, the damaged part in exchange for parts determined to be defective.

**Frame (6540/6541), Unit Wheel Base (6543) and AirBase (6542)** - For a period of 5 years from the original date of purchase of product, Fiberlock will repair or replace, at its option, the damaged part in exchange for parts determined to be defective.

This warranty covers only product issues caused by defect in material or workmanship during normal use as described in the manual; it does not cover cosmetic damage or damages caused by any other reason, including but not limited to acts of God, misuse, modifications of or any part of the product, or normal and expected wear and tear.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidenced that the unit is within the Warranty period must be presented to obtain warranty service.

**Instructions:** To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to Fiberlock. For specific instructions on how to obtain warranty service for your unit call Fiberlock at 1-800-342-3755.

**LIMITATION ON DAMAGES:** FIBERLOCK SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BEACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THESE PRODUCTS.

**DURATION OF IMPLIED WARRANTIES:** EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some state do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.



## IMPORTANT SAFETY INFORMATION

SAVE THESE INSTRUCTIONS.

CAREFULLY READ AND FOLLOW THESE INSTRUCTIONS.

WARNING: Failure to follow all instructions may result in serious injury.

### INSPECTION

1. Inspect for damage or missing parts before each use.
2. Never use with missing or damaged parts.
3. Check to see that all parts are in good condition.
4. Never repair a damaged unit without permission from manufacturer.

### PROPER SET UP AND USE

1. **Inspect for damage or missing parts before each use.**
2. **READ ALL LABELS!**
3. **DANGER! METAL CONDUCTS ELECTRICITY! BE CAREFUL!** Use care when using near electrical lines and circuits.
4. You should never use a unit if you are not in good physical condition.
5. Unit wheel base is designed to support the weight of one person and material. Maximum weight not to exceed 500 lbs.
6. Do not use in front of unlocked doors.
7. Place unit on firm level ground.
8. Do not use on slippery surfaces.
9. Never place anything under unit wheel base to gain height or adjust for uneven surfaces.
10. Check that all four casters are locked and firmly supported to prevent excessive movement.
11. Use extreme caution getting into and out of the unit.
12. Never move, or have someone else move the unit while in the unit.
13. If using a ladder inside the unit, read, understand and follow ladder manufacturer's instructions.
14. Do not use any components not supplied or approved by the manufacturer of this product.
15. Do not use if interior surfaces are wet. If wet, surfaces may be slippery. Dry interior surfaces before entering enclosure.

### PROPER CARE AND STORAGE

1. Always keep unit clean of all foreign materials.
2. Never store materials on unit.
3. Properly support and restrain unit in transit or storage. Wear damage from transit may weaken the unit.
4. For additional care, use, and safety instructions contact your employer, dealer or the manufacturer.

The Kontrol Kube must be used only as part of a comprehensive airborne contaminant control program. This program must include staff training in the set-up and use of the Kontrol Kube and related equipment. Unit should always be set up in advance in a mock situation to determine that the Kontrol Kube is performing to expectations, and that staff understands proper use

# Table of Contents

IMPORTANT SAFETY INFORMATION .....	2
<b>Initial Set Up</b>	
Section 1: Initial Enclosure Set up.....	4
Part A: Inserting frame bottom into bottom of enclosure.....	4
Part B: Inserting poles into frame base.....	4
Part C: Inserting frame top into enclosure top .....	4
Part D: Final assembly of unit.....	5
Section 2: Attaching AirBase (negative air machine base) .....	6
Section 3: Attaching Negative Air Machine.....	7
<b>Basic Operation</b>	
Section 1: Raising and Positioning .....	8
Section 2: Lowering the Unit .....	8
Section 3: Collapsing the Unit.....	8
Section 4: <i>Quick Set Up</i> of the Unit.....	10
Section 5: Attaching Flanges .....	10
Part A: Attaching anteroom flange .....	10
Part B: Attaching connector flange.....	10
<b>Applications</b>	
Section 1: Construction and Maintenance .....	11
Part A: Overhead containment access .....	11
Part B: Wall containment.....	11
Part C: Anteroom containment .....	11
Section 2: Short Term Airborne Infection Isolation.....	12
Part A: Anteroom containment .....	12
Section 3: Multi Unit Configuration.....	12
<b>Additional Information</b>	
Section 1: Warranty .....	13

# Initial Set Up

## Section 1: Initial Enclosure Set Up

### Part A: Inserting frame bottom into bottom of enclosure

1. Unfold enclosure place bottom (*gray portion*) flat on the floor.
2. Place bottom frame into the enclosure, sockets up. Corners of frame should rest on the enclosures reinforced webbing.



### Part B: Inserting poles into frame base

1. Remove pins from bottom frame.



2. Insert pole into the bottom frame. **Make sure that all slots and channels in the poles are facing in.** Repeat for each pole.
3. Insert pins through frame and pole and reattach the locking clasp.
4. Lower each pole to the lowest position. **The black handle should rest on the bottom of the vertical channel.**



### Part C: Inserting frame top into enclosure top

1. Insert top frame into the top of the enclosure. Corners of frame should rest on the enclosures reinforced webbing.
2. Wrap Velcro tabs near the top corners of the enclosure around the frame and secure (2 per corner).





# Initial Set Up

## Part D: Final assembly of unit - two person operation

1. With a person on each end of the unit lift the top frame and enclosure over the top of the poles one at a time. Lift the enclosure and top frame over one pole and then the other on the same long side of the unit. Repeat this on the other long side of the unit, lifting it over the two remaining poles.



2. From inside the unit place rubber gaskets on frame top over poles and pull down until the pole locks into place. Repeat for each pole.



3. Raise the enclosure, with each person holding two handles, by rotating handles into the vertical channel and lifting. Once raised, rotate handles into a support channel until they drop into the locking slots.



4. Wrap Velcro® tabs (anti-sag restraints), located half way up the enclosure at each corner, around pole and secure. Ensure that the Velcro is above the lower section of the pole and tight enough to prevent it from slipping over the lower section.



5. Place unit wheel base flat on the floor and lock all four casters by pressing the locking mechanism into the down position.

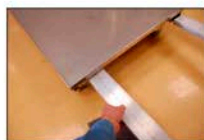


6. Lift the containment unit, by the poles, and place unit onto the wheel base.

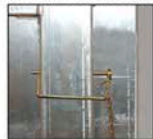
# Initial Set Up

## Section 2: Attaching AirBase (negative air machine base)

1. Lock all four casters on the unit wheel base and ensure that the AirBase casters are unlocked.
2. Remove pins from the bottom of the unit wheel base.
3. Position AirBase forks so they align with the unit wheel base channels.
4. Slide forks completely into channels until hole in the sides of unit wheel base channels & AirBase forks align.



5. Slide pins through holes and lock in place to secure AirBase to the unit wheel base.



6. Place Kontrol Kube negative air machine on AirBase. (see *Initial Setup, Section 3: Attaching Negative Air Machine* for additional instructions.)



If using a negative air machine other than the Kontrol Kube Negative Air Machine it may be necessary to use the alternate locking position which allows the AirBase to be secured with a 12" gap between itself and the unit wheel base.

1. Slide AirBase forks completely into the unit wheel base channels.
2. Slowly pull the AirBase out while looking at the holes located in the channels of the unit wheel base.
3. When the secondary holes in the AirBase forks align with the holes in the unit wheel base slide pins through holes and lock in place.



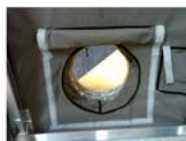
# Initial Set Up

## Section 3: Attaching Negative Air Machine

1. Place negative air machine with intake manifold facing the large enclosure port.



2. From inside the unit, roll up the large port flap and secure in the open position with the Velcro straps.



3. Attach one end of flex duct around intake manifold and feed the other end through the large port. Pull Port tube over intake manifold on the negative air machine.



4. Pull port tube over intake manifold on the negative air machine and tighten using drawstrings.



5. See *Kontrol Kube Negative Air Machine Manual* for complete operating instructions.

# Basic Operation

## Section 1: Raising and Positioning

1. Roll the unit into position and **lock all 4 casters on the unit wheel base.**
2. From inside the unit, facing one of the short ends, grasp the handles located on the two poles, lifting and twisting the handles into the vertical channel.
3. Raise the handles approximately 6" and twist handles into a support channel until they drop into the locking slots. Move to the other short end and repeat. Continue raising the unit, one end at a time, until the desired height is reached. Make sure that all poles are locked into the support channel at the same level.

If the unit is being raised by two people, both people should twist the handles into the vertical channel and raise the handles until the unit is at the desired height simultaneously. Twist the handles into the support channels until they drop into the locking slots. Make sure that all poles are locked into the support channel at the same level.

## Section 2: Lowering the Unit

1. From inside the unit, facing one of the short ends, grasp the handles located on the two poles, lifting and twisting the handles into the vertical channel.
2. Lower the handles approximately 6" and twist handles into a support channel until they drop into the locking slots. Move to the other short end and repeat. Continue lowering the unit, one end at a time, until the desired height is reached. Make sure that all poles are locked into the support channel at the same level.

If the unit is being lowered by two people, both people should twist the handles into the vertical channel and lower the handles until the unit is at the desired height simultaneously. Twist the handles into the support channels until they drop into the locking slots. Make sure that all poles are locked into the support channel at the same level.

## Section 3: Collapsing the Unit (on unit wheel base)

1. Disconnect the Velcro "anti-sag restraints" located halfway up the enclosure and wrapped around each pole.



2. From inside the unit, facing one of the short ends, grasp the handles located on the two poles, lifting and twisting the handles into the vertical channel.
3. Lower the handles approximately 6" and twist handles into a support channel until they drop into the locking slots. Move to the other short end and repeat. Continue lowering the unit, one end at a time, until the handles are locked into the lowest support channel.



If the unit is being lowered by two people, both people should twist the handles into the vertical channel and lower the handles until they reach the lowest support channel. Twist the handles into the support channels until they drop into the locking slots.

# Basic Operation

4. From inside the unit lift each corner of the top frame separating it from the pole. Repeat for each pole.



5. Lift the top frame and enclosure over the top of the poles and place on the floor.



6. Remove the locking pins from each pole.
7. Lower poles until the handle sits at the bottom of the vertical channel and set poles diagonally across the floor of the enclosure.



8. Lift and place top frame and enclosure onto the lower frame. Bunch the enclosure neatly into the center of the collapsed unit ensuring that it does not hang over the edges of the unit wheel base.



9. When completely collapsed slide one Velcro synch strap under the based from one long side to the other.
10. Attached the end of one Velcro synch strap to one of the Velcro straps located on the outside of the enclosure above the door opening. Attach the other end of the Velcro synch strap to the Velcro door strap on the other side of the unit. Ensure that the Velcro synch strap is tight and adjust if necessary.



11. Repeat steps 9 -10 with the second Velcro synch strap using the second set of Velcro door straps.
12. Once unit is secured ensure that the top and bottom frame corners align.