

LIMITED PRODUCT WARRANTY

Mintie Technologies, Inc.[®], warrants to the original purchaser that each part of the Environmental Containment Unit (ECU[™]) Disposable Envelope - 2 Sidewall Access (DE-2 Sa) to be free from defects in material or workmanship before use for a period of six (6) months after the date of original purchase. This warranty does not apply to use, as the DE-2Sa is disposable and appropriate length of use is determined by application, wear and tear.

REMEDY LIMITATION

Mintie Technologies, Inc.'s[®] obligation and liability under this warranty is limited to the repair or replacement (at its option) of the product or its parts, after its own review and examination. This will be purchaser's exclusive remedy under this limited product warranty. Mintie Technologies,[®] Inc. will not be liable for incidental or consequential damages even if its attempts to repair the defects fails, but in such case (or if Mintie Technologies, Inc.[®] elects not to repair or replace) the purchaser will be entitled only to a refund of monies paid to Mintie Technologies, Inc.[®] for the ECU[™] DE-2Sa.

This warranty shall be void as to any product which has been altered or modified in any manner. This warranty does not apply to damages caused by any force of nature, to accidental or deliberated damage of the product, or to use of the product that does not conform with the product instructions.

EXCLUSION OF ALL OTHER WARRANTIES

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED PRODUCT WARRANTY SET FORTH ABOVE. MINTIE TECHNOLOGIES, INC. DISCLAIMS ANY WARRANTY OF ANY OTHER KIND, INCLUDING WITHOUT LIMITATION, ANY WARRANTY THAT THE GOODS ARE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE

Disposable Sa



mintie[®]

Instruction Manual

ECU Disposable Envelope - 2 Sidewall Access



ECU DE-2 Specifications

ECU2 Frame

- Lightweight, collapsible frame
- Two-piece top frame assembly with foam strip
- Flat floor truss
- Sturdy, non-skid polyurethane wheels
- Collapsed dimensions: 12.0" x 12.0" x 66.0"
- Extended dimensions:
 - Footprint: 61.0" x 34.0"
 - Height: 7'0" x 10'5"
 - Weight: 75 lbs.
- Maximum sidewall penetration:
 - Width: 56"
 - Height: variable with ceiling height

Disposable Envelope

- Lightweight, material allows for light transmission
- Fire Retardant to NFPA 701-04 test 1
- Air Permeability to ASTM D 737-04 standard
- Heavy Duty fabric zippers
- 84" Access Door
- 20" zipper NAM port
- Double loop Velcro straps
- Integrated tacky mat with anti-slip non-scoot floor
- Outer package secondary disposal bag w/ zip tie
- Clear pouch to display work/infection control permit
- Weight: 2.5 lbs.



Instruction Manual

INITIAL SET UP

Part A: Initial Set Up of ECU DE-2™ Frame

1. While standing on one of the two long sides of the frame, simultaneously grasp two of the white plastic sliders and open ECU DE-2™ Frame until the Outer Legs on the long sides of the ECU DE-2™ Frame are approximately 2' apart. (Fig. A-1) CAUTION: Do not grasp Outer Legs below chrome Push Buttons during opening of ECU DE-2™ Frame to prevent accidental pinching of fingers.
2. Push down floor trusses with foot to square off unit. (Fig. A-2)
3. Finish by pushing up on each plastic Slider until each Height Adjustment Release Knob locks into place. (Figs. A-3, A-4)



Fig. A-1



Fig. A-2

Fig. A-3



Fig. A-4



6. To remove Upper Folding Frame, disengage both red-handled locks, swing the short sides in until they are flush with the long sides. Grasp one long side of the Upper Folding Frame and lift upward and repeat. (Fig. E-4)
7. Disengage each Slider one at a time by pulling the Height Adjustment Release Knobs and then pushing down the Slider just past the point of engagement.
8. Disengage floor trusses by lifting with foot. Continue to circle the frame, lifting floor trusses until all four have been disengaged.
9. Face long side of ECU DE-2™, grasp two plastic sliders and slowly draw inward. Do not grasp outer legs below sliders as this may result in pinched finger.
10. To store the upper folding frame, place the two pieces into the pouch on the front of the ECU DE-2 Frame storage sleeve.



Fig. E-4

Part G: ECU DE-2™ Frame Collapse

1. Together with partner on opposite short sides of ECU DE-2™ Frame, grasp both Height Adjustment Release Knobs located on each side of the ECU DE-2™ Frame and pull outward simultaneously and lower until unit reaches desired height. (Fig. G1). If working alone, this procedure should be done in stages.
2. If lowering ECU DE-2 Sidewall Access™ to change work location, lower the unit a few inches from ceiling and repositioned by lifting short end (without wheels) and rolling or sliding down the hall.
3. If ready to close and store ECU DE-2 Sidewall Access™, lower unit until bottom of outer legs has reached the corner foot pads. If working alone, this procedure should be done in stages. (Fig. G-2)
4. Disconnect the top edge of the DE from the frame and gather it together. Use the zip tie (left in blue bag) to seal the DE. (Fig. G-3)
5. Place the sealed DE into the Blue Bag and dispose of according to hospital policy for potentially contaminated material.



Fig. G-1

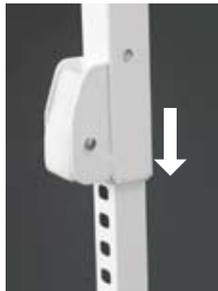


Fig. G-2



Fig. G-3

Part B: Preparation of Upper Folding Frame

1. Remove Upper Folding Frame from white box. Place the Upper Folding Frame (still folded) on a large flat surface. Remove two long foam strips and four short foam strips from the long, narrow brown box.
2. Peel back paper backing from the bottom of one end of a long foam strip and carefully align that end (adhesive side down) with outer edge of plastic end plug on one of the long beams. Carefully apply remaining portion of strip along top of long beam, peeling paper backing as you go. Repeat this step with second long foam strip on other long beam. (Fig. B-1)
3. Next, remove paper backing from bottom of short foam strip and carefully align (adhesive side down) approximately 3/16" beyond outer end of plastic end plug on one of the short beams. (Fig. B-2)
4. Carefully apply remaining portion of short foam strip along top of long beam. [You will need to trim the end of the foam with a knife or razor. When finished, the foam strip will extend beyond the frame approximately 3/16" on both ends.] Repeat this step for second short foam strip on other short beam.

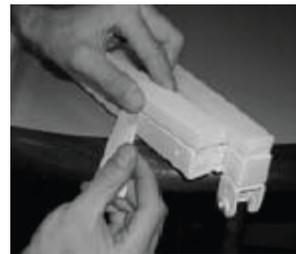


Fig. B-1



Fig. B-2

5. Place one piece of Upper Folding Frame horizontally over top slide corner mounts into place over corners of ECU DE-2 Outer Leg Caps. Gently push down to secure into place. Repeat for other piece. Be careful to avoid placing fingers, etc. between Upper Folding Frame mounts and the ECU DE-2 to avoid pinching. (Fig. B-3)
6. Swing short piece into place and secure with red-handled lock. Repeat for second piece. (Fig. B-4)



Fig. B-3



Fig. B-4

Part C: Mounting the Disposable Envelope (DE) on Frame

1. Remove DE from blue bag. **DO NOT DISCARD BLUE BAG.** Place the blue bag (with zip tie and Velcro strips still inside) somewhere safe until ready for DE disposal.
2. The first time it is used Velcro strips (in box) need to be mounted on the ECU DE-2 frame. One strip goes on each leg on the outward facing short side. Center it between the plastic slider and the topper supporting the upper folding frame with ~2.5" distance from each.
3. Unfold and position the DE inside the ECU DE-2™ Frame so that the door is on the wheel side of frame and the black Velcro at the top of the DE aligns with the Velcro on the frame legs (Fig. C-1)
4. Lift the DE about one foot above the upper folding frame, while using the black Velcro to keep the orientation of the DE to the frame the same. (Fig. C-2)
5. Pull the top edge of the DE down the outside of the frame, using the Velcro on the DE to maintain the orientation to the frame. Pull until the edge of the DE touches the top of the lower plastic slider (Fig. C-3). Attached the Velcro on the top edge of the DE to the frame.



Fig. C-1



Fig. C-2



Fig. C-3

Part F: ECU DE-2Sa™ Sidewall Access Closure

1. When work is finished, unroll the access flap from where it was taped to the interior of the DE-2Sa envelope. Do not remove the tape sealing the access point to the wall. (Fig. F-1)
2. When the flap is repositioned to close the access point, tape the sides and bottom to secure it in place. (Fig. F-2)
3. The sidewall penetration should no longer be accessible. Ensure that the flap is well secured, as this will prevent material leakage during envelope disposal.
4. Carefully peel the envelope away from the wall. (Fig. F-3)



Fig. F-1



Fig. F-2.1



Fig. F-2.2



Fig. F-3

7. Tape the sides, top and bottom of the sidewall access point to the wall around the area being accessed (Fig. E-4).
8. Turn on negative pressure – if required – and check the sidewall access seal to the wall around the contained area. Reinforce if necessary (Fig. E-5).
9. Conduct sidewall access work. (Fig. E-6)



Fig. E-4.1



Fig. E-4.2



Fig. E-4.3



Fig. E-4.4



Fig. E-5



Fig. E-6

BASIC OPERATING PROCEDURES

D-D. Raise and Position ECU DE-2 Sidewall Access™ Using Two People

1. Position ECU DE-2 Sidewall Access™ unit directly in front of sidewall access location.
2. With partner doing same, stand on one of two short sides of the ECU DE-2 Sidewall Access™ unit, and place foot on the foot pedal of floor trusses.
3. With partner, grasp Outer Legs and simultaneously lift upward until left and right Height Adjustment Ratchet Pins engage in the first set of bottom holes. (Fig. D-1)
4. From this position, lift unit until foam strips make contact with ceiling tile and slightly compress the Upper Folding Frame. (Fig. D-2) Ensure that all four Height Adjustment Ratchet Pins are engaged in their respective holes. Note: To ensure level engagement with ceiling, be sure to position ECU DE-2 Sidewall Access™ so that same number of holes on Inner Legs are visible and that Upper Folding Frame is flush against ceiling tile frame. There should be no visible gaps under foam.

5. Attach all remaining small Velcro straps to the Outer Legs.

D-S. Raise and Position ECU DE-2 Sidewall Access™ Using One Person

1. Position DE-2 Sidewall Access™ unit directly in front of sidewall access location.
2. Stand on one of the short sides of the ECU DE-2 Sidewall Access™ unit, and place foot on the foot pedal between the folding trusses.
3. Grasp Outer Legs and lift up until left and right Height Adjustment Ratchet Pins engage in the first set of bottom holes. (Fig. D-3)

4. Move to opposite side of unit and repeat Step 3. The unit should be level and ready for engagement with ceiling. (Fig. D-4)
5. When properly positioned, again stand on short side and grasp Outer Legs and lift upward until left and right Height Adjustment Ratchet Pins click by a maximum of approximately 6" of holes.
6. Move to opposite side of ECU DE-2 unit and repeat Step 5.
7. Continue to raise ECU DE-2 until foam strips engage ceiling tile and compress the Upper Folding Frame. (See Fig. D-2) Ensure that all four Height Adjustment Ratchet Pins are engaged in their respective holes. Note: To ensure level engagement with ceiling, be sure to raise ECU DE-2 so that same number of holes on Inner Legs are visible and that Upper Folding Frame is flush against ceiling tile frame. There should be no visible gaps under foam.
8. Attach all remaining small Velcro straps to the Outer Legs.(Fig. D-5)



Fig. D-1



Fig. D-2



Fig. D-3



Fig. D-4



Fig. D-5

SIDEWALL ACCESS PROCEDURE

Part E: ECU DE-2Sa™ Sidewall Access

1. The unit should be set up in front of the sidewall access location. The maximum DE-2Sa sidewall containment area is 56" wide. Max height is limited by distance to the upper truss, which will vary with ceiling height. If the intended site exceeds the range of possible DE-2Sa containment please evaluate other Mintie containment products.

2. From inside the unit, identify the area to be accessed. Ensure there is enough ambient light to be able to see the area to be accessed through the plastic sheeting (Fig. E-1).
3. A marker or tape can be used to mark where the access flap should be cut. Ensure that the flap is larger than the area to be contained so it can be secured to the wall around the sidewall access area.
4. The access flap should be U shaped. It can be rolled and taped up. This allows the flap to be easily put back into position and secured when disposing of the envelope.
5. Use a blade or scissors to cut a flat bottomed U shaped Access flap. Hold the Sheeting taught with one hand to ensure clean easy cuts. It may be helpful to cut the bottom of the U last (Fig. E-2).
6. Roll the flap up and tape it to the interior of the DE-2sa envelope (Fig. E-3).



Fig. E-1



Fig. E-2.1



Fig. E-2.2



Fig. E-3.1



Fig. E-3.2