AER-DEC®-80000 Integrated Sink System
One, Two, Three, and Four Station Corian® or Quartz Lavatory Systems

Important
Read this entire installation manual to ensure proper installation. When finished with the installation, file this manual with the owner or maintenance department. Compliance and conformity to local codes and ordinances is the responsibility of the installers.
Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until all parts are obtained.
Make sure that all water supply lines have been flushed and completely turned off before starting the installation. Debris in supply lines can cause valves to malfunction.
Turn off electrical power to the electrical outlets, then unplug units prior to installation. Electrical power MUST remain off until installation is complete.
Installer’s hardware must be appropriate for wall construction. Wall anchors and mounting fasteners MUST have a minimum pull-out rating of 1,000 lbs for 3/8" hole.
For standard height mounting, DO NOT exceed the recommended 34 inch distance from the top of the sink deck to the finished floor. To meet ADA requirements the sink deck cannot not exceed the 34 inch maximum height dimension.
Wear all proper safety equipment prior to installation

Tools and Supplies Required for Installation

- Electric drill for drilling anchor holes
- Standard sockets, basin wrench, and open end wrench set for installing anchoring fasteners and faucets
- Pipe wrench for installing drain lines
- Phillips and straight blade screwdrivers
- Tubing cutter
- Level
- Carpenter's square
- Caulk gun
- 1/2" NPT hot/cold or tempered supply piping
- 1 1/2" NPT drain piping including p-trap
- Adhesive: Loctite® PL Premium® FAST GRAB Polyurethane
- Construction Adhesive, or equivalent
- 110 volt GFCI protected electrical outlet for 100-120 VAC plug-in transformer
- Screen filter(s) included with faucet(s)
- Backing supplied by others to meet local codes

Prior to Installation

CAUTION:
Adequate structural support in or behind the wall is required. Refer to the appropriate rough-in diagram for dry weight of sink. All electrical wiring is to be installed in accordance with national/local codes and regulations. Electrical outlets should be recessed and installed prior to installation. All plumbing should be installed in accordance with applicable codes and regulations. Before connecting flex hoses to supply stops, flush all water lines until water is clear. Hot and cold water supply lines/tempered supply line and drain lines. Recommended to have Control Stops on water supply lines in place prior to installation.

Limited Warranty
Unless otherwise noted, Sloan Valve Company warrants its Products to be made of first class materials, free from defects of material or workmanship under normal use and to perform the service for which they are intended in a thoroughly reliable and efficient manner when properly installed and serviced, for a period of three years (1 year for SF Faucets, special finishes and PWT electronics and 30 days on PWT software) from date of purchase. During this period, Sloan Valve Company will, at its option, repair or replace any part or parts which prove to be thus defective if returned to Sloan Valve Company, at customer’s cost, and this shall be the sole remedy available under this warranty. No claims will be allowed for labor, transportation or other incidental costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company’s products directly from Sloan Valve Company for purpose of resale. This warranty does not cover the life of the batteries.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO EVENT IS SLOAN VALVE COMPANY RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY MEASURE WHATSOEVER.
AER-DEC®-81000 Integrated Sink System
One Station Corian® or Quartz Lavatory Systems

Sink Location
Determine the appropriate wall location for the Lavatory System. Consider that hot and cold water supply lines, a drain line, and an electrical source (receptacle for hardwired faucets and hand dryer) will be required. Compare the physical dimensions of the Lavatory System to the space available for the installation. If wall is not load bearing, a carrier may be required behind the wall. Refer to the appropriate Rough-in diagrams for Lavatory System dimensions. Prior to Lavatory System installation, electric wiring, water supply and drain must be installed.

AER-DEC® One Station Components

AER-DEC® One Station Component List

<table>
<thead>
<tr>
<th>Description</th>
<th>Item Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER-DEC®, One Station, Integrated Deck</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Angled Enclosure with Hold Open Door</td>
<td>2a</td>
<td>1</td>
</tr>
<tr>
<td>Vertical Enclosure with Hold Open Door</td>
<td>2b</td>
<td>1</td>
</tr>
<tr>
<td>EFX Series Faucet</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Basys Style ESD 500 Soap Dispenser</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Basys Style Hand Dryer</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Hand Dryer Bracket (Vertical Enclosure Only)</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: Hand Dryer Motor must be rotated 90° for installation into a standard vertical enclosure.
Notes:
1. Hot and cold water supply line location subject to local codes.
2. Hand Dryer Motor alone, without heater option activated, is only 500 watts or less with speed control.
3. Hand Dryer with Heater requires 1500 watts or less with speed control.
4. Each Hand Dryer Motor shall be plugged into a dedicated 20 amp GFI safety circuit.
5. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug.
7. Cut backing to allow for electrical and plumbing components.
8. Electrical boxes need to be vertically, flush mounted to backing material, to allow for plumbing and component clearance.
9. Electrical cutouts can fit either two outlet junction boxes or one quad outlet junction box.

Figure 1

Notes:
1. Backing material should equal thickness of drywall, 1/2” min.
2. Angled enclosure shown, rough-in dimensions for vertical enclosure are the same.

Figure 2
Rough-In (One Station): Plan View

Figure 3

Rough-In (One Station): Component Locations, Front View

Figure 4

Notes:
1. Mount Hand Dryer Motor and Hose to specified locations.
2. For One Station, Angled Enclosure, the Hand Dryer Motor must be installed onto the rear angle iron after the enclosure has been mounted. Mounting holes must be drilled in the field.
3. For Vertical Enclosures the Hand Dryer Motor must be rotated 90° and mounted to the Hand Dryer Bracket. Hand Dryer Bracket is mounted to rear angle iron of Enclosure. Refer to Figure 6 for instructions.
1. Install Backing (Figure 5) onto wall studs.
   
   **Note:** Backing supplied by others to meet local codes.
   
   a. If drywall is present, measure outside of Angled Enclosure (2a) and cut out drywall window.
   b. Remove drywall window.
   c. Pre-drill/cut holes for plumbing and electrical.
   d. Install backing into cutout drywall window.

2. Refer to the template in (Figure 5), mount the Angled Enclosure (2a) to the backing. Ensure that Angled Enclosure (2a) is level and the proper distance from the floor.
   
   **Note:** Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8" holes (not supplied).
   
   a. Using mounting fasteners secure Angled Enclosure (2a) onto backing, making sure that the top of Angled Enclosure (2a) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
   b. Mount Hand Dryer (5) to the rear angle iron of the Angled Enclosure (2a) as shown.
   
   **Note:** Holes must be drilled in the field. Refer to rough-in, in Figure 4, on Page 4.
3. Install Backing (Figure 6) onto wall studs.  
**Note:** Backing supplied by others to meet local codes.  
   a. If drywall is present, measure outside of Vertical Enclosure (2b) and cut out drywall window.  
   b. Remove drywall window.  
   c. Pre-drill/cut holes for plumbing and electrical.  
   d. Install backing into cutout drywall window.  

4. Refer to the template in (Figure 6), mount the Vertical Enclosure (2b) to the backing. Ensure that Vertical Enclosure (2b) is level and the proper distance from the floor.  
**Note:** Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8” holes (not supplied).  
   a. Using mounting fasteners secure Vertical Enclosure (2b) onto backing, making sure that the top of Vertical Enclosure (2b) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)  
   b. Using mounting fasteners (not supplied) secure Hand Dryer (5) to Hand Dryer Bracket (6). Make sure that fasteners are tight.  
   c. Mount Hand Dryer Bracket (6) to the rear angle iron of the Vertical Enclosure (2b) as shown.  
**Note:** Holes must be drilled in the field. Refer to rough-in, in Figure 4, on Page 4.
Faucet, Hand Dryer and Soap Dispenser Installation (One Station)

Notes:
• For ease of deck installation, leave the deck lying on its front (if no bag hooks are installed) or lying on its back and install component spouts.
• Components shown for reference only.

5. Install Faucet, Soap Dispenser and Hand Dryer (Figure 7) onto sink according to manufacturer’s instructions provided with components. (See QR codes below for link to Sloan instructions.)

Sink Installation (One Station)

6. Install Deck (1, Figure 8) onto Angled Enclosure (2a).
   **Note:** Back of Deck (1) may require scribing to finished wall.
   a. Apply adhesive (not supplied) to the top of Enclosure (2a).
   b. Lower Deck (1) onto Angled Enclosure (2a). Shim all gaps between Angled Enclosure (2a) and Deck (1).
   c. Connect Hand Dryer Motor Hose to Hand Dryer Motor.
      **Note:** DO NOT connect power unit until air spout is completely installed.
   d. Connect Soap Dispenser Lines to Soap Dispenser.
   e. Install all water connections and drain lines.

7. Close access door on Angled Enclosure (2a).

End of AD-81000 Installation Instructions
## Sink Location

Determine the appropriate wall location for the Lavatory System. Consider that hot and cold water supply lines, a drain line, and an electrical source (receptacle for hardwired faucets and hand dryer) will be required. Compare the physical dimensions of the Lavatory System to the space available for the installation. If wall is not load bearing, a carrier may be required behind the wall. Refer to the appropriate Rough-in diagrams for Lavatory System dimensions. Prior to Lavatory System installation, electric wiring, water supply and drain must be installed.

### AER-DEC® Two Station Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Image</th>
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<tbody>
<tr>
<td>1) AD-82000 Deck</td>
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<tr>
<td>2a) Angled Enclosure</td>
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<tr>
<td>2b) Vertical Enclosure</td>
<td><img src="enclosure_b.png" alt="Enclosure" /></td>
</tr>
<tr>
<td>3) EFX Series Faucet</td>
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<tr>
<td>4) ESD 500 Soap Dispenser</td>
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<tr>
<td>5) Basys Style Hand Dryer</td>
<td><img src="dryer.png" alt="Hand Dryer" /></td>
</tr>
<tr>
<td>6) Hand Dryer Bracket (Vertical Enclosure Only)</td>
<td><img src="bracket.png" alt="Bracket" /></td>
</tr>
</tbody>
</table>

### AER-DEC® Two Station Component List

<table>
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<tr>
<th>Description</th>
<th>Item Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER-DEC®, Two Station, Integrated Deck</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Angled Enclosure with Hold Open Door</td>
<td>2a</td>
<td>1</td>
</tr>
<tr>
<td>Vertical Enclosure with Hold Open Door</td>
<td>2b</td>
<td>1</td>
</tr>
<tr>
<td>EFX Series Faucet</td>
<td>3</td>
<td>2</td>
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<tr>
<td>Basys Style ESD 500 Soap Dispenser</td>
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<td>Basys Style Hand Dryer</td>
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<tr>
<td>Hand Dryer Bracket</td>
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<td>2</td>
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</table>

**Note:** Hand Dryer Motor must be rotated 90° for installation into a standard vertical enclosure.
Rough-In (Two Station); Plumbing and Electrical, Front View

Notes:
1. Hot and cold water supply line location subject to local codes.
2. Hand Dryer Motor alone, without heater option activated, is only 500 watts or less with speed control.
3. Hand Dryer with Heater requires 1500 watts or less with speed control.
4. Each Hand Dryer Motor shall be plugged into a dedicated 20 amp GFI safety circuit.
5. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug.
7. Cut backing to allow for electrical and plumbing components.
8. Electrical boxes need to be vertically, flush mounted to backing material, to allow for plumbing and component clearance.
9. Electrical cutouts can fit either two outlet junction boxes or one quad outlet junction box.

Figure 9

Rough-In (Two Station); Section View

Notes:
1. Backing material should equal thickness of drywall, 1/2" min.
2. Angled enclosure shown, rough-in dimensions for vertical enclosure are the same.

Figure 10
Figure 11

Figure 12

Notes:
1. Mount Hand Dryer Motor and Hose to specified locations.
2. For Vertical Enclosures the Hand Dryer Motor must be rotated 90° and mounted to the Hand Dryer Bracket. Refer to Figure 14 for instructions.
1. Install Backing (Figure 13) onto wall studs.
   
   Note: Backing supplied by others to meet local codes.
   a. If drywall is present, measure outside of Angled Enclosure (2a) and cut out drywall window.
   b. Remove drywall window.
   c. Pre-drill/cut holes for plumbing and electrical.
   d. Install backing into cutout drywall window.

2. Mount Hand Dryer Motor (5, Figure 13) to specified location onto backing. Refer to rough-in, Figure 12 on page 10 for mounting location.

3. Refer to the template in (Figure 13), mount the Angled Enclosure (2a) to the backing. Ensure that Angled Enclosure (2a) is level and the proper distance from the floor.
   
   Note: Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8” holes (not supplied).
   a. Using mounting fasteners secure Angled Enclosure (2a) onto backing, making sure that the top of Angled Enclosure (2a) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
Notes:
1. Due to manufacturer tolerances, all dimensions are for reference only.
2. Enclosure must be shimmed to wall to ensure proper leveling and straightness.
3. Wood 2" X 10" may need to be notched to allow clearance for electrical box.

Figure 14

4. Install Backing (Figure 14) onto wall studs.
   **Note:** Backing supplied by others to meet local codes.
   a. If drywall is present, measure outside of Vertical Enclosure (2b) and cut out drywall window.
   b. Remove drywall window.
   c. Pre-drill/cut holes for plumbing and electrical.
   d. Install backing into cutout drywall window.

5. Mount Hand Dryer Motor (5, Figure 14) to specified location onto backing. Refer to rough-in, Figure 12 on page 10 for mounting location.
   a. Using mounting fasteners (not supplied) secure Hand Dryer (5) to Hand Dryer Bracket (6). Make sure that fasteners are tight.
   b. Using mounting fasteners (not supplied) install Hand Dryer Bracket (6), with Hand Dryer Motor (5) attached, onto backing.

6. Refer to the template in (Figure 14), mount the Vertical Enclosure (2b) to the backing. Ensure that Vertical Enclosure (2b) is level and the proper distance from the floor.
   **Note:** Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8" holes (not supplied).
   a. Using mounting fasteners secure Vertical Enclosure (2b) onto backing, making sure that the top of Vertical Enclosure (2b) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
Faucet, Hand Dryer and Soap Dispenser Installation (Two Station)

Notes:
- For ease of deck installation, leave the deck lying on its front (if no bag hooks are installed) or lying on its back and install component spouts.
- Components shown for reference only.

Figure 15

7. Install Faucet, Soap Dispenser and Hand Dryer (Figure 15) onto sink according to manufacturer’s instructions provided with components. (See QR codes below for link to Sloan instructions.)

Sink Installation (Two Station)

Figure 16

8. Install Deck (1, Figure 16) onto Angled Enclosure (2a).
   **Note:** Back of Deck (1) may require scribing to finished wall.
   a. Apply adhesive (not supplied) to the top of Enclosure (2a).
   b. Lower Deck (1) onto Angled Enclosure (2a). Shim all gaps between Angled Enclosure (2a) and Deck (1).
   c. Connect Hand Dryer Motor Hose to Hand Dryer Motor.
      **Note:** DO NOT connect power unit until air spout is completely installed.
   d. Connect Soap Dispenser Lines to Soap Dispenser.
   e. Install all water connections and drain lines.

9. Close access door on Angled Enclosure (2a).

End of AD-82000 Installation Instructions
**AER-DEC®-83000 Integrated Sink System**

Three Station Corian® or Quartz Lavatory Systems

### Sink Location

Determine the appropriate wall location for the Lavatory System. Consider that hot and cold water supply lines, a drain line, and an electrical source (receptacle for hardwired faucets and hand dryer) will be required. Compare the physical dimensions of the Lavatory System to the space available for the installation. If wall is not load bearing, a carrier may be required behind the wall. Refer to the appropriate Rough-in diagrams for Lavatory System dimensions. Prior to Lavatory System installation, electric wiring, water supply and drain must be installed.

### AER-DEC® Three Station Components

- **1) AD-83000 Deck**
- **2a) Angled Enclosure**
- **2b) Vertical Enclosure**
- **3) EFX Series Faucet**
- **4) ESD 400 Soap Dispenser**
- **5) Basys Style Hand Dryer**
- **6) Hand Dryer Bracket (Vertical Enclosure Only)**

### AER-DEC® Three Station Component List

<table>
<thead>
<tr>
<th>Description</th>
<th>Item Number</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>AER-DEC®, Three Station, Integrated Deck</td>
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<tr>
<td>Angled Enclosure with Hold Open Door</td>
<td>2a</td>
<td>1</td>
</tr>
<tr>
<td>Vertical Enclosure with Hold Open Door</td>
<td>2b</td>
<td>1</td>
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<tr>
<td>EFX Series Faucet</td>
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<tr>
<td>Basys Style ESD 500 Soap Dispenser</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Basys Style Hand Dryer</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Hand Dryer Bracket (Vertical Enclosure Only)</td>
<td>6</td>
<td>3</td>
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</table>

**Note:** Hand Dryer Motor must be rotated 90° for installation into a standard vertical enclosure.
Notes:
1. Hot and cold water supply line location subject to local codes.
2. Hand Dryer Motor alone, without heater option activated, is only 500 watts or less with speed control.
3. Hand Dryer with Heater requires 1500 watts or less with speed control.
4. Each Hand Dryer Motor shall be plugged into a dedicated 20 amp GFI safety circuit.
5. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug.
7. Cut backing to allow for electrical and plumbing components.
8. Electrical boxes need to be vertically, flush mounted to backing material, to allow for plumbing and component clearance.
9. Electrical cutouts can fit either two outlet junction boxes or one quad outlet junction box.

Figure 17

Rough-In (Three Station); Section View

Notes:
1. Backing material should equal thickness of drywall, 1/2" min.
2. Angled enclosure shown, rough-in dimensions for vertical enclosure are the same.

Figure 18
Notes:
1. Mount Hand Dryer Motor and Hose to specified locations.
2. For Vertical Enclosures the Hand Dryer Motor must be rotated 90° and mounted to the Hand Dryer Bracket. Refer to Figure 22 for instructions.

Figure 19

Rough-In (Three Station); Plan View

Figure 20

Rough-In (Three Station); Component Locations, Front View
Notes:
1. Due to manufacturer tolerances, all dimensions are for reference only.
2. Enclosure may be shimmed to wall to ensure proper leveling and straightness.
3. Wood 2” X 10” may need to be notched to allow clearance for electrical box.

1. Install Backing (Figure 21) onto wall studs. 
   Note: Backing supplied by others to meet local codes.
   a. If drywall is present, measure outside of Angled Enclosure (2a) and cut out drywall window.
   b. Remove drywall window.
   c. Pre-drill/cut holes for plumbing and electrical.
   d. Install backing into cutout drywall window.

2. Mount Hand Dryer Motor (5, Figure 21) to specified location onto backing. Refer to Figure 20 on page 16 for mounting location.

3. Refer to the template in (Figure 21), mount the Angled Enclosure (2a) to the backing. Ensure that Angled Enclosure (2a) is level and the proper distance from the floor. 
   Note: Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8” holes (not supplied).
   a. Using mounting fasteners secure Angled Enclosure (2a) onto backing, making sure that the top of Angled Enclosure (2a) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
### Backing and Vertical Enclosure Installation (Three Station)

**Figure 22**

4. Install Backing (Figure 22) onto wall studs.  
**Note:** Backing supplied by others to meet local codes.  
   a. If drywall is present, measure outside of Vertical Enclosure (2b) and cut out drywall window.  
   b. Remove drywall window.  
   c. Pre-drill/cut holes for plumbing and electrical.  
   d. Install backing into cutout drywall window.

5. Mount Hand Dryer Motor (5, Figure 22) to specified location onto backing. Refer to Figure 20 on page 16 for mounting location.  
   a. Using mounting fasteners (not supplied) secure Hand Dryer (5) to Hand Dryer Bracket (6). Make sure that fasteners are tight.  
   b. Using mounting fasteners (not supplied) install Hand Dryer Bracket (6), with Hand Dryer Motor (5) attached, onto backing.

6. Refer to the template in (Figure 22), mount the Vertical Enclosure (2b) to the backing. Ensure that Vertical Enclosure (2b) is level and the proper distance from the floor.  
**Note:** Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8” holes (not supplied).  
   a. Using mounting fasteners secure Vertical Enclosure (2b) onto backing, making sure that the top of Vertical Enclosure (2b) is 33 inches (Corian®, 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
**Faucet, Hand Dryer and Soap Dispenser Installation (Three Station)**

**Notes:**
- For ease of deck installation, leave the deck lying on its front (if no bag hooks are installed) or lying on its back and install component spouts.
- Components shown for reference only.

7. Install Faucet, Soap Dispenser and Hand Dryer (Figure 23) onto sink according to manufacturer’s instructions provided with components. (See QR codes below for link to Sloan instructions.)

**Sink Installation (Three Station)**

7. **Install Faucet, Soap Dispenser and Hand Dryer (Figure 23) onto sink according to manufacturer’s instructions provided with components. (See QR codes below for link to Sloan instructions.)**

8. **Install Deck (1, Figure 24) onto Angled Enclosure (2a).**
   **Note:** Back of Deck (1) may require scribing to finished wall.
   a. Apply adhesive (not supplied) to the top of Enclosure (2a).
   b. Lower Deck (1) onto Angled Enclosure (2a). Shim all gaps between Angled Enclosure (2a) and Deck (1).
   c. Connect Hand Dryer Motor Hose to Hand Dryer Motor.
      **Note:** DO NOT connect power unit until air spout is completely installed.
   d. Connect Soap Dispenser Lines to Soap Dispenser.
   e. Install all water connections and drain lines.

9. Close access door on Angled Enclosure (2a).

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8. **Install Deck (1, Figure 24) onto Angled Enclosure (2a).**
   **Note:** Back of Deck (1) may require scribing to finished wall.
   a. Apply adhesive (not supplied) to the top of Enclosure (2a).
   b. Lower Deck (1) onto Angled Enclosure (2a). Shim all gaps between Angled Enclosure (2a) and Deck (1).
   c. Connect Hand Dryer Motor Hose to Hand Dryer Motor.
      **Note:** DO NOT connect power unit until air spout is completely installed.
   d. Connect Soap Dispenser Lines to Soap Dispenser.
   e. Install all water connections and drain lines.

9. Close access door on Angled Enclosure (2a).

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End of AD-83000 Installation Instructions
**AER-DEC®-84000 Integrated Sink System**  
Four Station Corian® or Quartz Lavatory Systems

### Sink Location

Determine the appropriate wall location for the Lavatory System. Consider that hot and cold water supply lines, a drain line, and an electrical source (receptacle for hardwired faucets and hand dryer) will be required. Compare the physical dimensions of the Lavatory System to the space available for the installation. If wall is not load bearing, a carrier may be required behind the wall. Refer to the appropriate Rough-in diagrams for Lavatory System dimensions. Prior to Lavatory System installation, electric wiring, water supply and drain must be installed.

### AER-DEC® Four Station Components

![Components Diagram](image)

1) AD-83000 Deck  
2a) Angled Enclosure  
2b) Vertical Enclosure  
3) EFX Series Faucet  
4) ESD 400 Soap Dispenser  
5) Basys Style Hand Dryer  
6) Hand Dryer Bracket  
(Vertical Enclosure Only)

### AER-DEC® Four Station Component List

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<td>Vertical Enclosure with Hold Open Door</td>
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**Note:** Hand Dryer Motor must be rotated 90° for installation into a standard vertical enclosure.
### Notes:
1. Hot and cold water supply line location subject to local codes.
2. Hand Dryer Motor alone, without heater option activated, is only 500 watts or less with speed control.
3. Hand Dryer with Heater requires 1500 watts or less with speed control.
4. Each Hand Dryer Motor shall be plugged into a dedicated 20 amp GFI safety circuit.
5. Each Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug.
6. Hand Dryer with Heater requires 1500 watts or less with speed control.
7. Each Faucet and Soap Dispenser requires a dedicated 15 amp GFI safety circuit.
8. Cut backing to allow for electrical and plumbing components.
9. Electrical boxes need to be vertically, flush mounted to backing material, to allow for plumbing and component clearance.
10. Electrical cutouts can fit either two outlet junction boxes or one quad outlet junction box.

**Figure 25**

### Notes:
1. Backing material should equal thickness of drywall, 1/2" min.
2. Angled enclosure shown, rough-in dimensions for vertical enclosure are the same.

**Figure 26**
Notes:
1. Mount Hand Dryer Motor and Hose to specified locations.
2. For Vertical Enclosures the Hand Dryer Motor must be rotated 90° and mounted to the Hand Dryer Bracket. Refer to Figure 30 for instructions.
Notes:
1. Due to manufacturer tolerances, all dimensions are for reference only.
2. Enclosure must be shimmed to wall to ensure proper leveling and straightness.
3. Wood 2" X 10" may need to be notched to allow clearance for electrical box.

1. Install Backing (Figure 29) onto wall studs.  
   **Note:** Backing supplied by others to meet local codes.  
   a. If drywall is present, measure outside of Angled Enclosure (2a) and cut out drywall window.  
   b. Remove drywall window.  
   c. Pre-drill/cut holes for plumbing and electrical.  
   d. Install backing into cutout drywall window.  

2. Mount Hand Dryer Motor (5, Figure 29) to specified location onto backing. Refer to Figure 28 on page 22 for mounting location.  

3. Refer to the template in (Figure 29), mount the Angled Enclosure (2a) to the backing. Ensure that Angled Enclosure (2a) is level and the proper distance from the floor.  
   **Note:** Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8” holes (not supplied).  
   a. Using mounting fasteners secure Angled Enclosure (2a) onto backing, making sure that the top of Angled Enclosure (2a) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
4. Install Backing (Figure 30) onto wall studs.  
   **Note:** Backing supplied by others to meet local codes.  
   a. If drywall is present, measure outside of Vertical Enclosure (2b) and cut out drywall window.  
   b. Remove drywall window.  
   c. Pre-drill/cut holes for plumbing and electrical.  
   d. Install backing into cutout drywall window.  

5. Mount Hand Dryer Motor (5, Figure 30) to specified location onto backing. Refer to Figure 28 on page 22 for mounting location.  
   a. Using mounting fasteners (not supplied) secure Hand Dryer (5) to Hand Dryer Bracket (6). Make sure that fasteners are tight.  
   b. Using mounting fasteners (not supplied) install Hand Dryer Bracket (6), with Hand Dryer Motor (5) attached, onto backing.  

6. Refer to the template in (Figure 30), mount the Vertical Enclosure (2b) to the backing. Ensure that Vertical Enclosure (2b) is level and the proper distance from the floor.  
   **Note:** Anchor enclosure to wall using 1,000 lb pull out mounting fasteners for 3/8” holes (not supplied).  
   a. Using mounting fasteners secure Vertical Enclosure (2b) onto backing, making sure that the top of Vertical Enclosure (2b) is 33 inches (Corian®), 32 3/4 inches (Quartz) above finished floor. (ADA specifications)
**Faucet, Hand Dryer and Soap Dispenser Installation (Four Station)**

**Notes:**
- For ease of deck installation, leave the deck lying on its front (if no bag hooks are installed) or lying on its back and install component spouts.
- Components shown for reference only.

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7. Install Faucet, Soap Dispenser and Hand Dryer (Figure 31) onto sink according to manufacturer’s instructions provided with components. (See QR codes below for link to Sloan instructions.)

**Sink Installation (Four Station)**

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8. Install Deck (1, Figure 32) onto Angled Enclosure (2).

   **Note:** Back of Deck (1) may require scribing to finished wall.
   a. Apply adhesive (not supplied) to the top of Enclosure (2).
   b. Lower Deck (1) onto Angled Enclosure (2). Shim all gaps between Angled Enclosure (2) and Deck (1).
   c. Connect Hand Dryer Motor Hose to Hand Dryer Motor.

   **Note:** DO NOT connect power unit until air spout is completely installed.
   d. Connect Soap Dispenser Lines to Soap Dispenser.
   e. Install all water connections and drain lines.

9. Close access door on Angled Enclosure (2a).

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**End of AD-84000 Installation Instructions**