

A-dec M.O.M. Chair and Delivery System

Install the Chair

1. Remove the chair from the box.
2. Roll the chair to the setup area.



3. Loosen the knobs all the way.



4. Turn the chair on its side.
5. Undo the lower strap that secures the legs to the seat.



6. Position the leg frame in notches on both sides of the seat to achieve the desired chair height.
7. Tighten the knob on the side of the chair currently facing up.



8. Stand the chair upright and undo the strap.

9. Firmly tighten the knobs on both sides.



10. Remove the pin.

11. Press the lever and extend the rod.



Pin

Lever

Rod

12. Position the rod into the bracket on the chair back.

13. Insert the pin to secure the rod to the chair back.
Press the lever to adjust the chair back position.



Install the Delivery System

Utility Requirements

Air

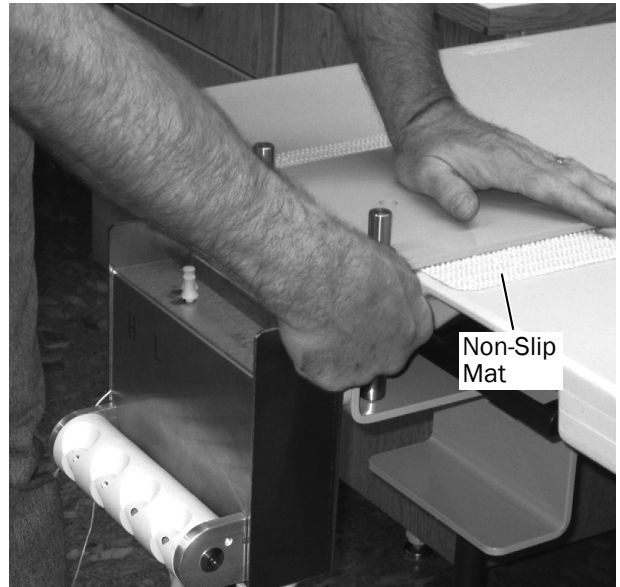
- A-dec equipment requires clean, dry air in order to ensure proper functionality, long term reliability, and cleanliness of the equipment, handpieces, and other ancillary devices. A-dec highly recommends using an oil-less type air compressor with appropriate pressure regulator, air filter, and in-line air dryer.
- All air lines are to be purged and tested prior to connection.
- A-dec recommends air pressure and flow of 80-100 psi (550-860 KPa), 2.5 scfm (71 sl/min) during normal use; 7.5 scfm (210 sl/min) peak intermittent flow.

Centralized Water

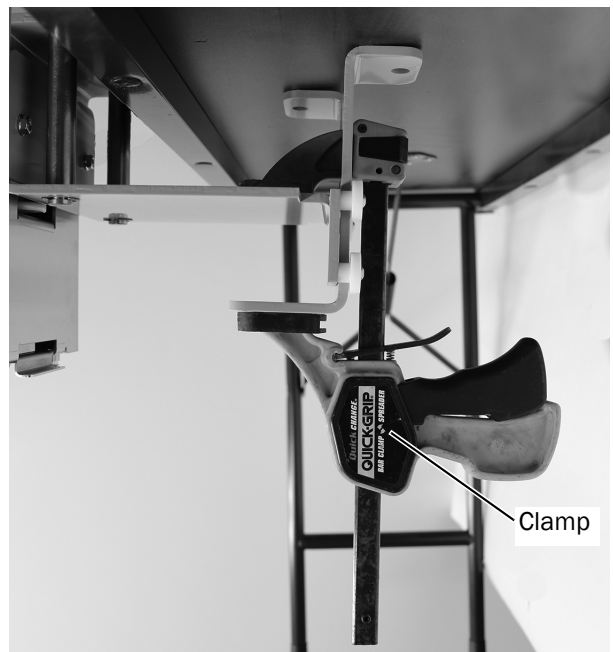
- All lines are to be purged and tested at each delivery system location.
- A-dec recommends water pressure of 60 ± 20 psi (415 ± 140 kPa).

Recommended Tools

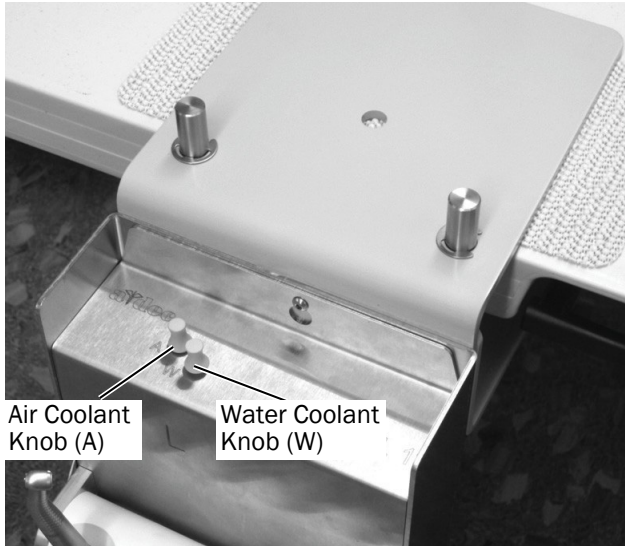
- Non-slip mat
 - Clamp
1. Place a non-slip mat on a table.
 2. Place the delivery system on the mat and hold it firmly.



3. Use a clamp to secure the delivery system.



4. Attach the air quick disconnect (yellow) to the air supply, and attach the water quick disconnect (blue) to the water supply.
5. Use the air coolant knob (A) and water coolant knob (W) to adjust the handpiece air and water coolant. For details, refer to "Adjust the Handpiece Coolant" on page 5.



Adjust the Delivery System

Adjust the Handpiece Drive Air Pressure

Recommended Tool

- 1/8" hex key



NOTE Use a handpiece pressure gauge attached to the handpiece tubing for exact drive air measurement. One bar equals 14.5 psi.

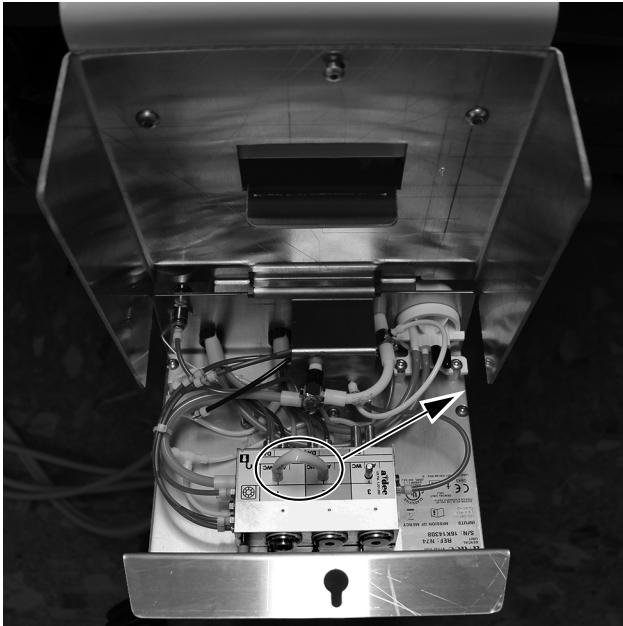
1. Use a 1/8" hex key to loosen (do not remove) the screw at the top of the delivery system.



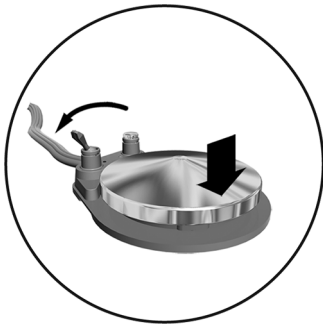
2. Lift the delivery system up off the keyhole and let it hang open fully.



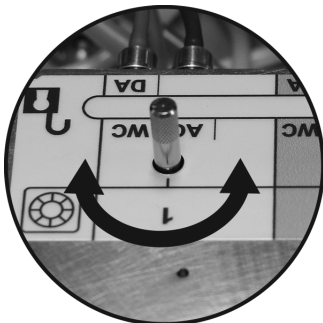
- Remove the yellow tubing from the stems and set it aside.



- Lift the handpiece from the holder.
- On the disc foot control, flip the toggle to dry (away from the blue dot) and step on the disc.



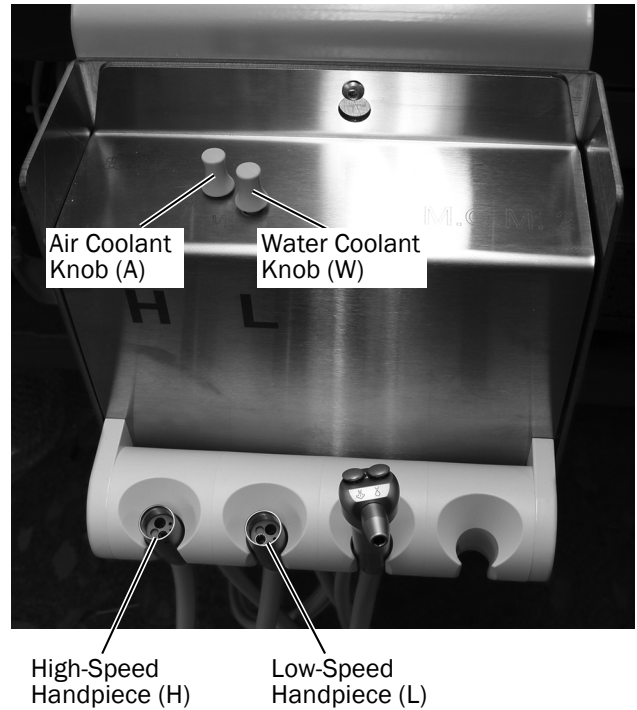
- With the handpiece running, check the handpiece pressure gauge.
- Adjust the drive air pressure to meet the manufacturer's specifications. Turn the stem clockwise to decrease pressure.



- Reinstall the yellow tubing on the stems. This prevents the drive air from being inadvertently adjusted while the delivery system is in transit.

Adjust the Handpiece Coolant

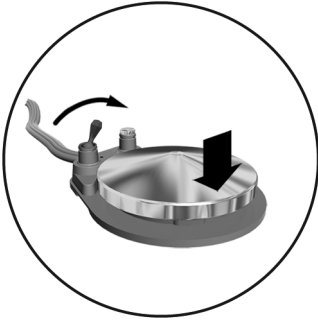
The air coolant knob (A) on your delivery system simultaneously adjusts air flow to both the high-speed and low-speed handpieces. The water coolant knob (W) adjusts water flow to the high-speed handpiece only (the low-speed handpiece does not include water).



Use the following process to adjust for the desired handpiece coolant atomization:

- Insert a bur into each handpiece you are adjusting.
- Turn the air coolant adjustment knob clockwise until you feel resistance. Do not overtighten.
- Lift the high-speed handpiece from the holder.

4. On the disc foot control, flip the toggle to water (toward the blue dot) and step on the disc.



5. Turn the water coolant adjustment knob clockwise until coolant flow stops.
6. Slowly turn the water coolant adjustment knob counterclockwise until water droplets are expelled from the water port on the high-speed handpiece head. Return the handpiece to the holder.
7. To set up the air coolant for the system, lift the high-speed handpiece from the holder.
8. Turn the air coolant adjustment knob counterclockwise until you achieve the desired atomization at the cutting surface of the bur.



CAUTION Do not continue turning the air coolant adjustment counterclockwise after the air coolant stops increasing. The stem may come out of the block.

Test the System

Delivery System

- The handpieces function properly and are set to the doctor's preferences:
 - Water coolant, air coolant, and spray.
 - Handpiece holder valves.
 - Handpiece drive air pressure.
- Foot control operates properly.

Utilities

- Regulated air pressure is at 80 psi.
- Utilities are free of air and water leaks.
- Tubing and connections are not kinked and are free of air and water leaks.
- Excess tubing and wires are coiled and stored away.

Regulatory Information

Regulatory information mandated by agency requirements is provided in the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00), which is available in the Document Library at www.a-dec.com.



A-dec Headquarters

2601 Crestview Drive
Newberg, OR 97132 USA
Tel: 1.800.547.1883 Within USA/CAN
Tel: +1.503.538.7478 Outside USA/CAN
www.a-dec.com

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