

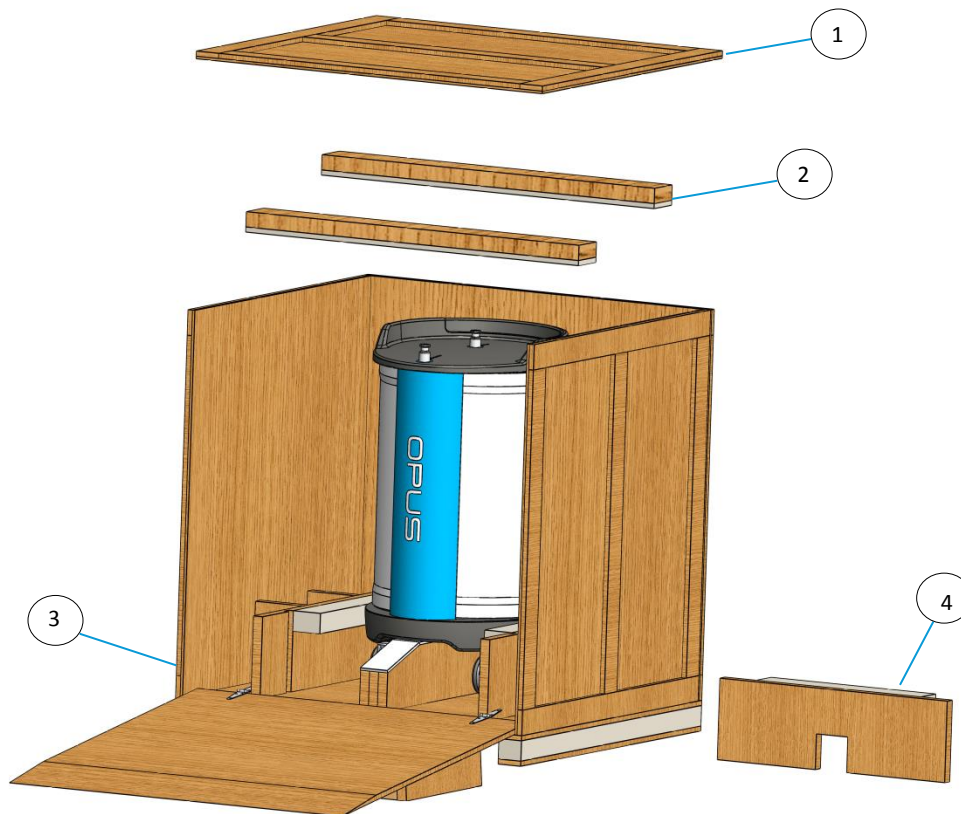
Uncrating OPUS® Pre-packed Columns

45 cm - 60 cm Internal Diameter (ID)

READ PRIOR TO REMOVING THE COLUMN FROM THE CRATE

Thank you for your OPUS® column order! This Uncrating Guide provides step-by-step instructions to help you uncrate your 45 – 60 cm ID OPUS® column safely. Your OPUS® column has been securely packaged and shipped in a custom designed wooden crate to ensure product quality. The wooden crate (Figure. 1) has five removable parts which are numbered below:

Figure 1: 45 – 60 cm OPUS® column packaging – wooden crate



1. Top lid
2. Top support bars (x2)
3. Crate
4. Front support

The packaging is designed to fit the OPUS® column so it doesn't touch the bottom of the crate. The top lid is attached to the body of the crate with 9 Phillips flat head black wood screws (3 on each side on the top, except the front), and each of the top support bars are attached to the crate by 2 Phillips flat head black wood screws on each side. The front support is fitted to the bottom of the crate, and the front door is secured by wing nuts on each side.

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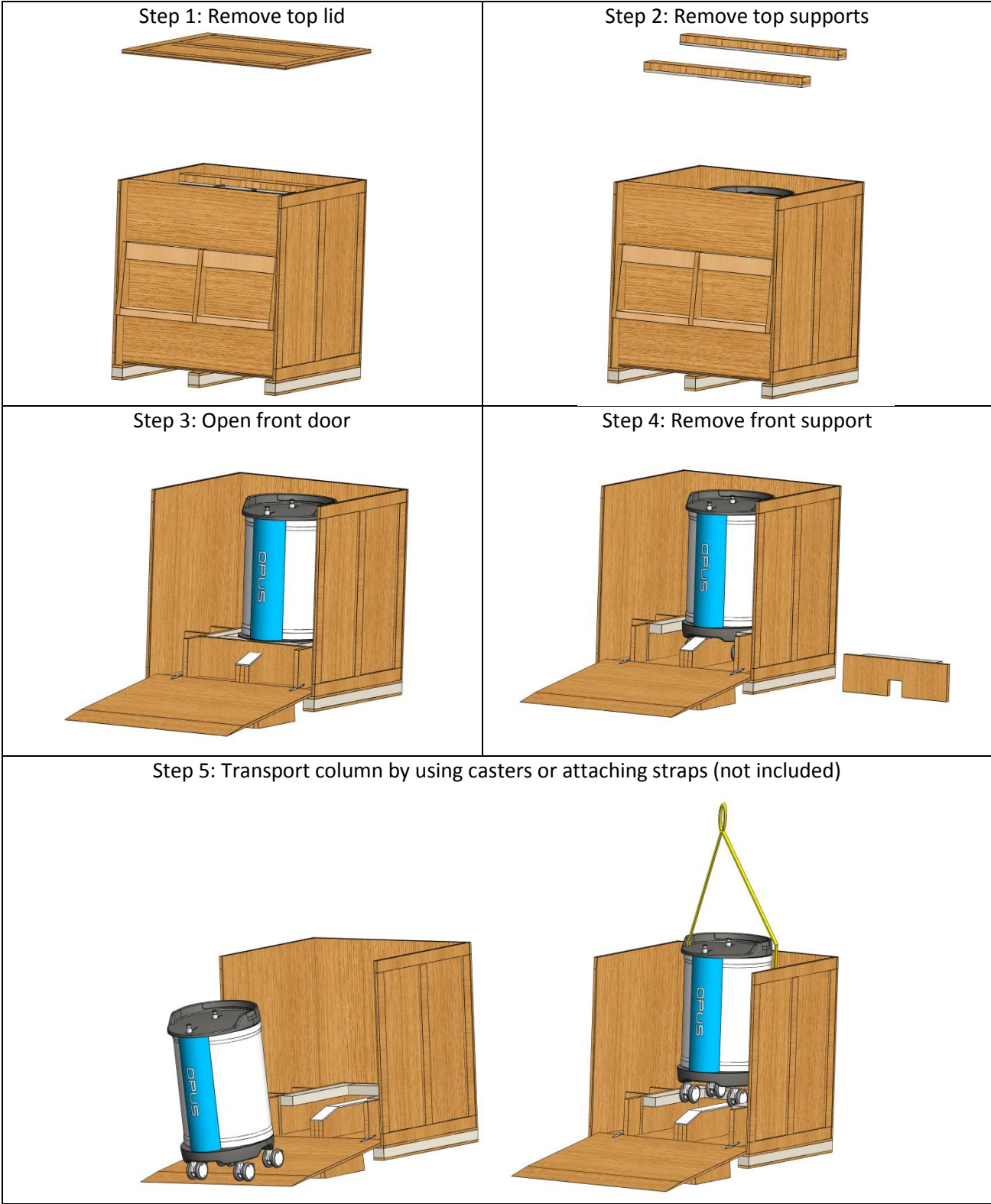
How to uncrate your OPUS® Pre-packed Columns 45 cm – 60 cm ID

- Step 1:** Use a power screwdriver to remove the 9 Phillips flat head black wood screws on top of the crate (3 on each side on the top, except the front). This will unlock the top lid from the rest of the box. Lift the top lid up, and place aside.
- Step 2:** Detach each of the two top support bars from the rest of the box by unscrewing 2 Phillips flat head black wood screws per support on either side of the box. Lift the supports up one by one, and place aside.
- Step 3:** Open the front door by unbolting the wing nuts from both ends, and lay it out on the ground to create a ramp.
- Step 4:** Use your hands to pull out the front support by lifting it upwards.
- Step 5:** Push the OPUS® column off the supports and roll it out of the crate using the ramp. Alternately, 45 – 60 cm ID OPUS® columns are also equipped with grooves on its top and bottom caps so they can be attached to a strap (12 feet long and 3 inches wide - not included), lifted up by a fork lift and transported to a desired location. Please contact Repligen for more information on availability of hoisting straps.
- Step 6:** Store the OPUS® column according to the recommendations of the resin manufacturer.

*See page 3 for diagram of steps 1-5.

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The full OPUS® column User Guide may be downloaded at: www.repligen.com

For more information or questions, please contact Repligen:

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