



IMPORTANT STEPS AND GUIDELINES FOR SUCCESSFUL USE OF THE Symphonie Aqua System with Vector Control

1. Push the “-” button on the VC Box until gauges are at 0 then push red button on panel to completely evacuate any water from the cylinder. Make sure orange gauge lever is in open position (toward the cylinder)
2. Determine if shims are needed under cylinder while patient is in seated position – top of cylinder should be level with or slightly **higher** than the top of patient's knee on sound side
3. Measure residual limb from femoral condyles to distal end. Subtract this measurement from the length of cylinder (50 cm) to determine height of spacers needed. Screw spacers together with properly fitting cup with foam. Drop spacer unit into bottom of cylinder. Push the “+” button so that water fills the membrane around the spacers just to the top of the spacers (foam pad)
4. **THOROUGHLY** lubricate the surface of the membrane with Romedis lubricant -**USE AT LEAST A LARGE HANDFUL OF LUBRICANT-This is extremely important.**
5. **Enter data on Symphonie VC App** to determine proper pressure level for casting the patient. The circumference measurement of patient's limb requested should reflect measurement **taken at level of MPT WITHOUT** the liner on the limb
6. **Prepare patient's limb:**
 - a. Apply Liner, plastic wrap or bag over liner to keep it clean, then apply moistened stockinette and make any needed markings.
 - b. Apply **thoroughly moistened** plaster bandage evenly over limb . **DO NOT** use compression to shape the limb manually . **Do not** use elastic casting material. **Do not make cast too thick and be sure there are no holes in cast.**
 - c. Mark the level of MPT and femoral condyles on outside of plaster wrap as a guide for how deep the limb is inside the cylinder.
 - d. Place plastic wrap or **plastic bag over plaster bandage**
7. Have patient stand with support and place limb into the SAS cylinder with distal end gently resting into foam pad **without bearing weight on it.**
8. Push the “+” button on the VC box to a pressure of .3- .4 bars. Once this pressure is achieved, ask patient to put as much weight as possible onto the residual limb that is resting on the foam pad in the cylinder.
9. Once patient is bearing weight on the limb, watch the cylinder gauge and continue to push the “+” button on the Vector Control unit until you reach the optimal pressure for the patient that was calculated by the Symphonie VC app. Use the “+” and “-” buttons as needed to adjust pressure and patient's position in the cylinder. Try to keep patient's limb in the cylinder such that the markings made on the cast line up with the proximal white brim of the cylinder.
10. After 3-5 minutes, once casting material has set, have patient start shifting weight onto sound leg for support. Push the “-” button to drain water from the cylinder until enough water is drained so that the membrane is loose and pulls away from the limb.
11. Have patient remove the limb from the cylinder. Be sure plastic bag remains around limb as patient withdraws it from the cylinder.
12. **DO NOT REMOVE PLASTIC BAG FROM LIMB WHILE LIMB IS OVER CYLINDER** as doing so will cause hardened plaster pieces to fall into the cylinder onto the membrane. Debris on the membrane can cause damage and require additional clean up.