Cypress Adaptive™
Precision Prosthetic Solutions

# IMPORTANT STEPS AND GUIDELINES FOR SUCCESSFUL USE OF THE:

## Symphonie Aqua System -PASSIVE

**1. THOROUGHLY** lubricate the entire surface of the membrane with Vaseline -**USE AT LEAST A HANDFUL OF VASELINE or preferred Romedis lubricant. THOROUGH LUBRICATION OF THE MEMBRANE IS EXTREMELY IMPORTANT!**

**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.** Make sure orange gauge lever is in "open" position (pointing toward the cylinder) before using system. Open valve on unit and allow approximately 1/3 – 1/2 of the water to flow into cylinder. **DO NOT** fill completely. Close the valve.

4. **Enter data** requested on Symphonie VC (free app). The app helps to determine goal pressure that is optimal for patient. The circumference measurement requested on the app should be taken on bare limb, **WITHOUT** the liner on.
Getting close to goal pressure calculated by the app when weight bearing through limb while in the cylinder will minimize the need for cast modifications.

**5.** Prepare patient's limb:

**a.** Apply Liner, plastic wrap or bag over liner to keep it clean, then apply moistened stockinette and make any desired markings.

**b.** Apply **thoroughly moistened** plaster bandage casting material evenly over limb . **DO NOT use compression to shape the limb manually . Do not use elastic bandage and do not** make cast too thick. MAKE CAST AS THIN AS POSSIBLE while still getting good coverage. After wrapping with plaster, mark the level of the MPT and femoral condyles. This mark will serve as a visual guide as to how far the patient is sinking into the cylinder. The goal is to have them going into the cylinder only deep enough where the marking is level with the proximal white plastic brim of the cylinder.

**C.** Place **plastic bag over plaster bandage**

**6.** Have patient stand with support and place limb into the SAS cylinder , dangling limb inside cylinder **without bearing weight on it.**

**7.** Once patient's limb is positioned inside cylinder, open the valve and allow water to flow from blue bag into the cylinder around the limb until there is movement of the gauge needle and membrane is puffing up around the top of the cylinder.

**8.** Once unit is filled, close valve and then have patient transfer **ALL** of his/her weight onto the residual limb and into the cylinder. Patient can keep a light touch on parallel bars, chair or walker for balance but **goal is to bear as much weight as possible on the residual limb inside the cylinder.**

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**9. The patient's limb should enter the cylinder up to the level of the femoral condyles as per markings you made on plaster.** Penetrating the cylinder too deeply will diminish the pressure achieved. Note the pressure reading on the gauge while patient is weight bearing.

**10**. After 3-5 minutes, once casting material has set, have patient start shifting weight onto sound leg for support. Open valve to drain water from cylinder back into the reservoir bag. Once enough water is drained so that the membrane is loose and pulls away from the limb, have patient remove the limb from the cylinder.

**11. DO NOT REMOVE PLASTIC BAG from patient's limb while limb is directly over cylinder** as hardened plaster pieces can fall into the cylinder and cause damage to the membrane and create a need for extra clean up.

# CAST MODIFICATION GUIDELINES FOR

## SYMPHONIE AQUA SYSTEM-PASSIVE

1. If the patient achieves optimal pressure value (as determined by Symphonie VC app) while weight bearing in the cylinder, simply smooth cast and perform knee works.

2. If the pressure achieved by the patient is less than the optimal pressure that was calculated by Symphonie VC app, subtract the amount of pressure that was achieved by the patient while weight bearing in the cylinder from the optimal pressure calculated by the VC app. Perform cast reduction by that percentage on **SOFT TISSUE ONLY** and perform knee works.
(Example: optimal pressure calculated by Symphonie VC app for patient is .7 bars. While weight bearing in the cylinder, gauge indicates that patient achieves a pressure value of .5 bars (7-5=2 ). In this case, a 2% reduction on soft tissue only is suggested).

## SYMPHONIE AQUA SYSTEM WITH VECTOR CONTROL

The Vector Control option allows the patient to achieve the optimal pressure every time so that the need for cast modifications, other than smoothing and knee works, are eliminated.

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