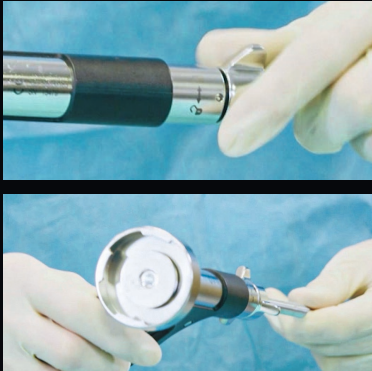


# PALACOS® R+G pro

## Handling Guideline



**1.** Prepare the cement gun by disengaging the lock and slide back the advancing rod until it stops. Then engage the lock again.



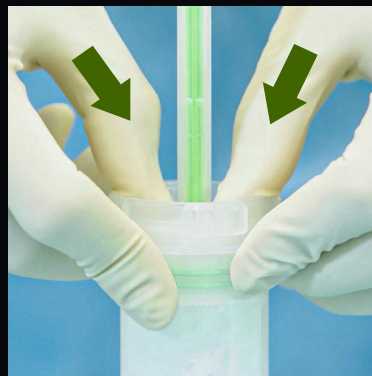
**2.** Only remove the PALACOS® R+G pro from the aluminium pouch immediately before use. Place the blister on a sterile table with the green label facing up.



**3.** Make sure that you have removed all components from the blister. The green label should be facing towards the user during the mixing process.



**4.** Loosen the bone cement in the cartridge. Push the mixing rod twice through the cartridge to loosen up any compacted powder and return to its initial position.



**5.** Push the sealing ring down into the cartridge with both thumbs. Ensure that the sealing ring is fully pressed and that the mixing rod stays in the same position.



**6.** Connect the vacuum hose to the sealing ring. The charcoal filter is connected to the vacuum pump by an unsterile person.



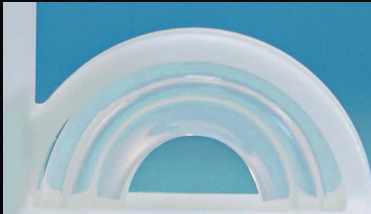
**7.** Apply light pressure to the green vacuum indicator with your left hand. Bring the breaking lever down quickly and fully with your right hand to release the monomer liquid.



**8.** Ensure that the breaking lever is fully turned down until it reaches the white stopper and is not turned back.



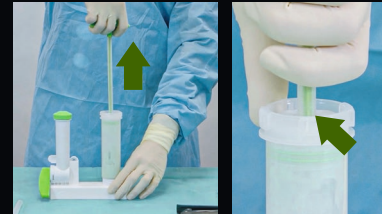
**9.** Now operate the vacuum pump for at least 10 seconds to initiate the monomer transfer. As soon as the vacuum indicator retracts, the system is completely under vacuum.



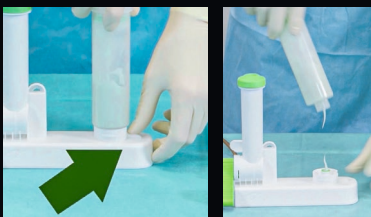
**10.** Check the transfer window to ensure the monomer transfer is complete (green liquid no longer visible). Only then start the mixing process and keep the pump operating until mixing is complete.



**11.** Mix the bone cement with consistent rotary up and down motions of the mixing rod over the entire length of the cartridge for at least 20 seconds with 1 stroke per second until a homogeneous dough develops.



**12.** Then release the vacuum hose from the sealing ring. Pull up the mixing rod until it stops and break the mixing rod off at the predetermined breaking point.



**13.** Press the cartridge securing device down, to remove the cartridge from the system and unscrew the cartridge.



**14.** Screw the application nozzle onto the cartridge.



**15.** Screw the cartridge onto the cement gun until you hear an audible 'click'. The cement can be applied as soon as it no longer sticks to the finger.

Video on how to use the PALACOS® R+G pro:  
[www.heraeus.us/PALACOS-RG-pro](http://www.heraeus.us/PALACOS-RG-pro)

