The Optivac® System has enjoyed over 20 years of clinical success since its introduction in 1986.

**OPTIVAC® VACUUM MIXING SYSTEM**

**DESCRIPTION**

Optivac® is a vacuum mixing and application system for bone cement.

**ADDITIONAL COMPONENTS**

- **OPTIGUN**
- **VACUUM PUMP**
- **OPTIVAC® Total Hip Kit (for two mixings, for example for hip arthroplasty).**
- **OPTIVAC® 120 gram, Triple Mix Kit**
- **OPTIVAC® nozzles, Slim, Revision and Right Angled Nozzle**
- **OPTIVAC® filters.**

Consists of: Extra long cartridge, breakaway nozzle, funnel, line with sterile and charcoal filters.

**OPTIVAC® 120 gram, Triple Mix Kit (for mixing 120 grams of cement).**

Consists of: Short and long cartridges, two breakaway nozzles, funnel, line with sterile and charcoal filters.

**OPTIVAC® 80 gram, Double Mix Kit (for mixing 80 grams of cement).**

Consists of: Short cartridge, breakaway nozzle, funnel, line with sterile and charcoal filters.

**INTENDED USE**

Optivac® is a vacuum mixing and application system for bone cement.

**SAFETY PRECAUTIONS**

- Before use, inspect all packaging materials used for the delivery of product. If any component of the packaging is disconnected, the product may not be used.
- Optivac® components must be disposed of after use and cannot be recontaminated in any manner.
- The product cannot be autoclaved or sterilized in any manner.
- The product cannot be re-sterilized.
- The blister pack is placed in a polyethylene-Tyvec pouch.
- All components are packed in a sterile inner tray, which serves as the bottom of the tray, so as to maintain sterility. The blister pack is placed in a sterile outer tray, which is placed in a tool tray. Ampoule breakers are included to facilitate the opening of the monomer bottle.
- Sterility: No special storage requirements.
- Temperature: Max temperature 25˚ Celsius.
- Humidity: No special storage requirements.
- Check the package prior to use for possible breaks.

**References**


**OPTIVAC® is a registered trademark of Biomet Cementing Technologies AB.**

**Cobalt™ is a trademark of Biomet Manufacturing Corp.**

**Simplex® is a registered trademark of Stryker Howmedica Osteonics Corp.**

**For product information, including indications, contraindications, warnings, precautions, and potential adverse effects, see the package insert and DJO Surgical’s website.**
The Optivac® Vacuum Mixing System is the only cartridge system to mix and collect cement under vacuum, providing a consistently high-quality, homogenous cement, and leading the industry in porosity reduction.

Patented design enables both mixing and collection of cement under vacuum, minimizing the possibility of air entrapment.

Open Optivac® mixing station and attach vacuum line to foot pump and small blue cap on lid of cartridge. Fasten line to table with tape or forceps.

Place cartridge in tray’s round socket and carefully add bone cement components. If using Cobalt™ cement, liquid monomer is added first followed by polymer powder.

Screw on cartridge top and tighten firmly. Start vacuum pump using foot switch.

Once top is firmly tightened, lift cartridge and begin mixing by moving paddle up and down smoothly with rotation. Mix 30–45 seconds. Finish by rotating mixing rod with paddle fully extracted.

Place cartridge firmly onto tray’s releasing knobs. Twist cartridge a quarter turn. Plunger will now move upward under vacuum, collecting cement and removing entrapped air.

Once floor of cartridge has stopped moving, snap off mixing rod with a firm, quick movement near the cylinder top. Stop vacuum pump and unscrew blue plug from top of cartridge.


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