

64-19 Hawe PerioStar 3000 (Project 01-04) (12/01)

The Hawe PerioStar 3000 is an electrically-powered countertop device designed for sharpening scalers as well as universal and Gracey curette periodontal instruments. The unit has a horizontal arm with a clamp and a positioning device that purportedly accurately positions the instrument for sharpening. The arm can be extended along an arch to facilitate access to the instrument's edges. A second flexible plastic arm positions the sharpening stone. The sharpening stone arm is manually moved in a circle around the instrument to gain access to the instrument's edges for sharpening. The manufacturer claims the device has several advantages compared to conventional sharpening stones. First, it purportedly reproduces predictable results with minimal effort and time, regardless of the operator's skill level. Also, the Hawe PerioStar 3000 is said to facilitate precise sharpening of instruments that are usually difficult to manually sharpen correctly, such as Gracey curettes. The unit's dimensions is 10"H X 10½"W X 11"D and weighs four pounds (without attached accessories). The PerioStar 3000 requires 15-20 amps single-phase, 120VAC current.



Manufacturer:

Hawe Neos Dental SA
Zona Strecce
6934 Bioggio
Switzerland
(800) 537-7123 (SDS/Kerr)
www.hawe.ch

Distributor:

Patterson Dental Company
1031 Mendota Heights Road
Saint Paul, MN 55120
(800) 328-5536
(651) 686-1600
www.pattersondental.com
Product item #357-9117

Government facilities can contact Mark T. Spilman (PerioStar Specialist) for information at (610) 489-7035, (610) 489-8915 FAX, or via e-mail at mtspilman@aol.com



Suggested Retail Price:

\$895.00 Hawe Neos PerioStar 3000 Portable Countertop Unit, includes:

- 1 AC Adapter
- 1 accessory kit that includes:
 - 1 white superfine sharpening stone
 - 1 pink medium sharpening stone
 - 1 tube of Sharpening Paste
 - 1 Protective Plastic Cap
 - 1 acrylic testing rod
 - 2 magnetic crossbeams
 - 1 instruction manual
 - 1 laminated Quick Use Guide
 - 1 8-minute instruction videotape

Replacement Items:

- \$45.95-superfine sharpening stones (2 per package)
- \$39.95-medium sharpening stones (2 per package)
- \$39.95-coarse sharpening stones (2 per package)
- \$19.95-Sharpener Paste (2 tubes)
- \$15.50-Acrylic Testing Rods (5 per package)
- \$10.50-Protective Cap (5 per package)
- \$69.95-magnetic crossbeams (5 per package)

Government Price:

\$650.00 Hawe Neos PerioStar 3000 Portable Countertop Unit (contents as listed above)
Replacement items are same price as retail.

ADVANTAGES:

- + Produces a predictable, highly-polished, precise, cutting edge.
- + Innovative concept compared to conventional sharpening devices.
- + Is well-designed, portable, and lightweight.
- + Easy to set up, operate, and clean.
- + Functions reliably.
- + Operating instructions are easy to read.
- + Laminated Quick Use Guide is easy to use.
- + Well-produced instructional video enhances the machine's usability.
- + Short learning curve.
- + Minimizes operator variability during sharpening.
- + Magnetic crossbeam assists in the proper alignment of instrument to be sharpened.
- + Acrylic testing rod confirms instrument sharpness.
- + Two sharpening stones are easily distinguished by their color coding.
- + Sharpening stones are autoclavable.
- + Has one-year warranty.

DISADVANTAGES:

- Is more expensive than conventional sharpening methods/products.
- Operating instructions lack electrical requirement specifications.
- Clear protective safety cap for instruments is difficult to see.
- Is not designed for use during patient care.
- Small accessory parts can easily become lost.
- No Material Safety Data Sheet (MSDS) is provided with the sharpening paste.
- Can not use petroleum-based sharpening pastes/lubricants on sharpening stones because it may degrade their sharpening efficiency.
- Government pricing is not available for replacement or accessory kit items.
- Replacement and accessory items are available only in bulk quantities of two or five.
- The coarse sharpening stone must be purchased separately.
- Warranty information is not provided in packaging.

SUMMARY AND CONCLUSIONS:

The Hawe PerioStar 3000 received high marks for its innovative concept, design, and predictability in sharpening instruments. Its easy-to-read operating instructions, laminated Quick Use Guide, and concise instructional video shorten the learning curve and reduced human variability in instrument sharpening. The magnetic crossbeam functioned exceptionally well in helping to align instruments for sharpening, and the yellow acrylic testing rod was efficient when checking sharpness. Most sharpening can be done in a short period of time with the two color-coded sharpening stones that are provided. Setup and operation are quick and easily accomplished in four simple steps with no significant time difference noted between use of a conventional sharpening device and this unit. The sharpening stones are autoclavable, however the manufacturer recommends using a nonpetroleum-based sharpening paste since oil-based lubricants may degrade stone function after sterilization. The clear protective safety cap that is placed over the opposite exposed end of the instrument to be sharpened, while difficult to see, functioned satisfactorily. This sharpening unit is best suited for use in either a central instrument area or a Dental Instrument Processing Center. The **Hawe PerioStar 3000** is an excellent alternative to hand-held and rotary sharpening devices and is rated **Recommended** for use by the federal dental services.