

KOOL-TORQUE

HEAVY DUTY VANE AIR MOTOR LABORATORY HANDPIECE

LUBRICATION

Lubricate handpiece daily with Johnson-Promident handpiece lubricant. If a micro-fog lubricator is installed on the air-line, adjust the oil feed to three (3) drops of Johnson-Promident. Handpiece can also be lubricated manually by putting two (2) drops of Johnson-Promident lubricant in the manual lubricator screw of the Vari-Speed Foot Control. Once per week, put two (2) drop of lubricant in one of the holes near the front nose where the yellow plastic chuck tool fits into. At the same time of this lubrication, saturate the end of a clean pipe cleaner with lubricant and insert this into the chucking mechanism at the front nose of the handpiece. Move it in and out repeatedly to clean and lubricate the chucking mechanism.

BUR INSERTION AND REMOVAL

Apply yellow plastic locking pin tool through the two holes in the nose of the handpiece. The protruding pin will lock the vane air motor in place. Apply the metal wrench around the front nut at the tip of the nose and turn clockwise to lock cutting instrument into chuck. Turn counter-clockwise to remove. The Kool-Torque positive three-jawed lathe collet chuck locks the cutting instrument firmly in place for safety. Periodically remove the nose completely and clean debris from the jaws of the lathe collet chuck.



The grey over-hose diverts exhaust drive air away from the operator and also acts as a silencer to reduce noise level.

DO NOT attempt to disassemble the Kool-Torque handpiece as it is sealed and disassembly without proper tools and training can destroy the handpiece.

FACTORY SERVICE:

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SPECIFICATIONS:

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| Speed: | 55,000 RPM @ 50 psi or 4.2 kpcs 44,000 RPM @ 40 psi or 2.8 kpcs |
| Torque: | ¼ Horsepower at pressures above 40 psi or 2.8 kpcs, or equivalent to 20 pounds or 9.1 kilograms of torque |
| Sound: | 67 decibels @ 55,000 RPM 65 decibels @ 44,000 RPM |
| Weight: | 4 ounces or 113 grams |
| Length: | 5 ½ inches or 14.2 cm |
| Diameter: | 5/8 inch or 1.6 cm |
| Air Consumption: | 2.5 cfm or 70 lpm @ 60 psi or 4.2 kpcs 2.0 cfm or 55 lpm @ 40 psi or 2.8 kpcs |



Johnson-Promident

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