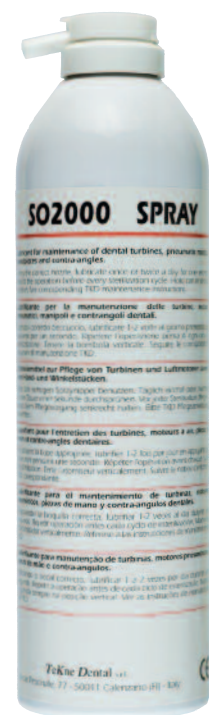


Economical turbine with single spray and fixed connection. Designed for tough, daily use, turbine is light-weight, easy to clean and features extremely high torque. Lubrication by means of the SO2000 service oil or any other lubrication oil for dental handpieces. Turbine is also equipped with a non-return valve for spray water and is available with 3-hole or 4-hole standard connection.



SO2000 Service Oil



TECHNICAL DATA

| | BRAVIA®XL | BRAVIA®L | MICRA®L | THALIA® |
|-----------------------------|---|---|--|---|
| Reference: | REF REF 162.02.01 / 163.02 | REF 162.02 | REF 194.02 | REF 186.30 / 186.40 |
| Connection: | MULTiflex®-compatible | MULTiflex®-compatible | MULTiflex®-compatible | 3-hole / 4-hole |
| Rotation speed: | 365000 rpm | 365000 rpm | 390000 rpm | 365000 rpm |
| Air pressure: | 2.8 ± 0.2 bar | 2.8 ± 0.2 bar | 2.8 ± 0.2 bar | 2.6 ± 0.2 bar |
| Max air consumption: | 53 NI/min | 53 NI/min | 53 NI/min | 55 NI/min |
| Spray port: | 4-jet | 3-jet | 1-jet | 1-jet |
| Bur FG: | with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum length of 25 mm (Code 4, 5, 6) according to ISO 6360-1 | with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum length of 25 mm (Code 4, 5, 6) according to ISO 6360-1 | with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum length of 21 mm (Code 4, 5) according to ISO 6360-1 | with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum length of 25 mm (Code 4, 5, 6) according to ISO 6360-1 |
| Head diameter: | ø 12.6 mm | ø 12.6 mm | ø 10.3 mm | ø 12.6 mm |
| Maximum power: | 22 W | 22 W | 17 W | 23 W |
| Lubrication: | by LubriONCE® grease or SO2000 service oil | by LubriONCE® grease or SO2000 service oil | by LubriONCE® grease or SO2000 service oil | by SO2000 service oil |
| Sterilization: | by autoclave up to 134 °C / 2 bar | by autoclave up to 134 °C / 2 bar | by autoclave up to 134 °C / 2 bar | by autoclave up to 134 °C / 2 bar |
| Thermodisinfection: | yes | yes | yes | yes |
| Maximum noise level: | 58 dBA | 60 dBA | 62 dBA | 66 dBA |
| Weight: | 39 g. | 45 g. | 44 g. | 52 g. |
| Standard conformity: | EN ISO 14457, CEI EN 60601-1, ISO 9168, European Directives 93/42/EEC (Class IIa) and 2007/47/EC. | | | |
| Guarantee: | 1 year (2 years on REF 163.02) | 1 year | 1 year | 1 year |

| | GYROFLEX®L | GYROFLEX®LED |
|-----------------------------|--------------------------|---------------------------|
| Reference: | REF 316.60 | REF 316.62 / 316.62.09 |
| Light source: | Halogen bulb | High-brightness white LED |
| Power supply: | 3.5 ± 0.2 V | 3.5 ± 0.2 Vdc |
| Output illumination: | >25.000 lux | >25.000 lux |
| Standard conformity: | CEI EN 60601-1, ISO 9168 | CEI EN 60601-1, ISO 9168 |
| Guarantee: | 1 year | 1 year |

| | BRAVIA®XLN | BRAVIA®LN | BRAVIA®XLS | BRAVIA®LS |
|--------------------|-----------------------|-----------------------|-------------------|-------------------|
| Reference: | REF 162.04.01 | REF 162.04 | REF 162.06.01 | REF 162.06 |
| Connection: | NSK PTL-CL-compatible | NSK PTL-CL-compatible | Sirona-compatible | Sirona-compatible |

| | BRAVIA®XLB | BRAVIA®LB |
|--------------------|-----------------------------|-----------------------------|
| Reference: | REF 162.08.01 | REF 162.08 |
| Connection: | Bien-Air Unifix®-compatible | Bien-Air Unifix®-compatible |

Unifix® is a registered trademark of Bien-Air Dental SA, Switzerland.

TURBINES / Cat.092UK/2019



- BRAVIA®XL
- BRAVIA®L
- MICRA®L
- GYROFLEX®LED
- THALIA®



UNI CEI EN ISO 13485



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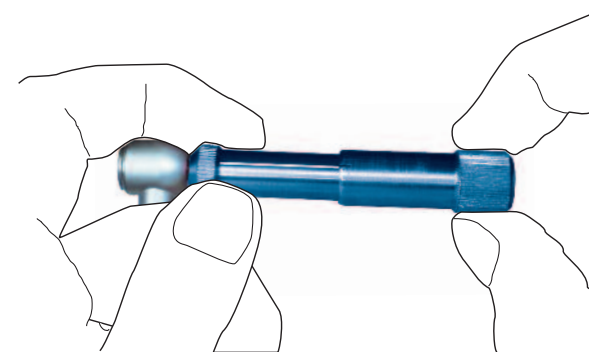
SIMPLIFYING DENTAL MOTION



BRAVIA[®]L
compact smart look

Robust high-speed turbine with improved power, ceramic ball-bearings, triple spray, easy-to-clean ergonomic surface and long-life LED illumination. All turbines are equipped with a high-precision spindle which ensures high concentricity, and a highly-efficient fiberoptics solid rod which can withstand repeated autoclave cycles without any deterioration.

Turbines can be used together with the GYROFLEX[®]LED rapid couplings (MULTiflex[®]-compatible) which also provides for turbine illumination. Other types of connection are also available.



The special LubriONCE[®] lubrication system provides the best way to ensure optimal turbine performance, ease of application and low-cost maintenance. The special formulation of the grease, which is resistant to the high temperature of sterilization, allows the turbine to be lubricated just ONCE a day. The used medical grease is hygienically safe and does not soil. Optionally, turbines can also be lubricated with oil.

BRAVIA[®]XL
special version with improved dynamics

Manufactured from high-quality materials, the improved high-speed ball-bearing BRAVIA[®]XL turbine with elegant and ergonomic styling provides the perfect answer for the most discerning professional. Compactness, increased power, highly-efficient illumination, reduced noise level and light weight are but a few of the various features offered by this new turbine. The use of special integral-structure high-precision ceramic ball bearings, together with a perfectly balanced rotor, makes the turbine with superior quietness and reliability.



The rapid connection, together with the GYROFLEX[®]LED rapid coupling, allows the instrument to turn freely and smoothly throughout 360 degrees.

A special edition is also available



MICRA[®]L
small and precise

Precise ceramic ball-bearing turbines with small-size head and single spray. Designed to facilitate access to the most hidden places, they are the logical subsidiary instruments to the normal-size turbines. Turbine can be used together with the GYROFLEX[®]LED rapid coupling (MULTiflex[®]-compatible) which also provides for turbine illumination.



GYROFLEX[®]LED
no more bulbs

The GYROFLEX[®]LED rapid coupling with integrated LED provides for turbine illumination and is available with or without nut for cooling spray adjustment. With LED technology bulb changing has now become an operation of the past! The integrated LED device produces high brightness and the emitted white light helps reducing colour distortion with respect to halogen light.

Once coupled to the GYROFLEX[®]LED rapid coupling, any dental turbine with fiber-optics and MULTiflex[®] connection can immediately get advantage of the LED technology which, simply and surprisingly, allows natural daylight quality illumination of the operating area and produces a superior uniform light pattern.

Lastly, rapid coupling is equipped with a non-return valve for spray water.

MULTiflex[®] is a registered trademark of Kaltenbach & Voigt GmbH, Germany.

