

TECHNICAL DATA

Product:	BRAVIA®XL SE	BRAVIA®XL	BRAVIA®L	MICRA®L	THALIA®
Reference:	REF 163.02	REF 162.02.01	REF 162.02	REF 194.02	REF 186.30 /186.40
Connection:	KaVo MULTiflex® compatible	KaVo MULTiflex® compatible*	KaVo MULTiflex® compatible*	KaVo MULTiflex® compatible	3-vie/4-vie
Rotation speed:	365000 rpm	365000 rpm	365000 rpm	450000 rpm	365000 rpm
Air pressure:	2.8 ± 0.2 bar	2.8 ± 0.2 bar	2.8 ± 0.2 bar	2.8 ± 0.2 bar	2.6 ± 0.2 bar
Max air consumption:	55 NI/min	53 NI/min	53 NI/min	53 NI/min	55 NI/min
Spray port:	4 - jet	4 - jet	3 - jet	1- jet	1- jet
Bur FG:	with Ø1.6 mm shank (Type3) 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 (Type3) 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 (Type3) 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 (Type3) according to ISO 1797-1, and maximum length of 21 mm (Code 4, 5) according to ISO 6360-1	with Ø1.6 mm shank (Type3) 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 12.6 mm	ø 10.3 mm	ø 12.6 mm
Maximum power:	27 W	22 W	22 W	22 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 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	by autoclave up to 134°C/2 bar
Thermodisinfection:	yes	yes	yes	yes	yes
Maximum noise level:	58 dBA	58 dBA	60 dBA	62 dBA	66 dBA
Weight:	39 g.	39 g.	45 g.	44 g.	52 g.
Standard conformity:	EN ISO 14457, CEI EN 60601-1, ISO 9168				
Guarantee:	2 years	2 years	1 year	1 year	1 year

Product:	GYROFLEX®	GYROFLEX®LED
Reference:	REF 316.30/ 316.40	REF 316.62/ 316.62.09
Light source:	-	High-brightness white LED
Power supply:	-	3.5 ± 0.2 Vdc
Output illumination:	-	> 25.000 lux
Standard conformity:	CEI EN 60601-1, ISO 9168 - MDR 2017/745 (Class I)	CEI EN 60601-1, ISO 9168 - MDR 2017/745 (Class I)
Guarantee:	2 year	2 year

Product:	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 R/F - compatible	Sirona R/F - compatible

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



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SENIOR TURBINE



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



BRAVIA®XL

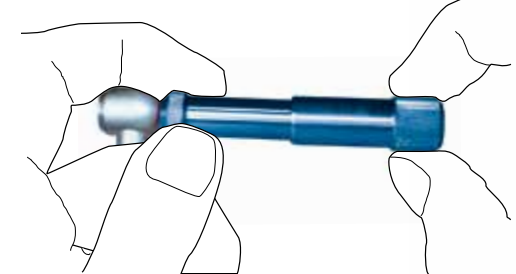
Special version with improved dynamics

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.

Every BRAVIA L / XL / LB / XLB and MICRA L turbine is delivered with a **LubriONCE®** grease lubricator.



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.

Versions available



BRAVIA®XL special edition

With selected high-performance components

The result of many years of know-how and a deep passion for micromechanics is concentrated in this special edition.

The turbine boasts the following special features:

HIGHER POWER: The improved drive air nozzle geometry and the use of a re-designed impeller now produce a tangible higher power level: **27 W**.

TITANIUM BODY: The main part of the handpiece is made in solid titanium with a non-slip surface; light, strong and absolutely biocompatible.

ADVANCED SPINDLE: The new wear-resistant spindle with advanced clamp-pad technology, avoids bur eccentricity and ensures a safe and long-lasting bur retention; only the perfectly-balanced rotors are used on this turbine.

SUPERIOR CERAMIC BEARINGS: Only the very best high-performance ceramic ball bearings are used on this turbine; reliability and stability are pushed to the highest levels.

MULTI-JET SPRAY: Four spray ports allows the most ideal cooling effect on the entire operation area.

CELLULAR OPTIC SYSTEM: The used cellular glass optic system allows a highly-efficient LED illumination of the operation area.

DOUBLE LUBRICATION SYSTEM: Even this turbine can get the advantage of the double lubrication possibility, i.e. by means of ordinary handpiece lubricating oil or by means of the special LubriONCE® lubricator.



27 W high-power rotor

Versions available



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 (KaVo MULTiflex®-compatible) which also provides for turbine illumination. Other types of connection are also available.

Versions available

KaVo
Compatible connection
(BRAVIA L, REF 162.02)

NSK
Compatible connection
(BRAVIA LN, REF 162.04)

Sirona
Compatible connection
(BRAVIA LS, REF 162.06)

Bien-Air
Compatible connection
(BRAVIA LB, REF 162.08)



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. A new re-designed impeller now produces a tangible higher power level: **22 W**. Turbine can be used together with the GYROFLEX®LED rapid coupling (KaVo MULTiflex®-compatible) which also provides for turbine illumination.



Head diameter: ø10,3 mm

22 W high-power rotor

KaVo
Compatible connection
REF 194.02

THALIA®

Simple yet powerful

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 4-hole standard connection.

4-hole Connection
REF 186.40



Universal Service Oil for dental
Turbines and Handpieces



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.

Once coupled to the GYROFLEX®LED rapid coupling, any dental turbine with fiber-optics and KaVo MULTiflex® connection can immediately get advantage of the LED technology which, 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.



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



GYROFLEX®
REF 316.30
3-hole Connection
MULTiflex® compatible



GYROFLEX®
REF 316.40
4-hole Connection
MULTiflex® compatible



GYROFLEX® LED
REF 316.62
6-pin connection with integrated LED
MULTiflex® compatible



GYROFLEX® LED
REF 316.62.09
6-pin connection with integrated LED
and cooling spray adjustment nut
MULTiflex® compatible