



## Frequently Asked Questions

### Alegra contra-angle handpieces with self-generated LED light

**> What is unique about the new Alegra instruments?**

Alegra contra-angles have self-generated LED light – they illuminate the treatment site using LED light which is supplied with energy by an integrated generator. The instruments are therefore independent of the light supply of the motor and the dental unit and offer the possibility of working with light regardless of which unit and motor are used.

**> What are the advantages of the LED technology compared with a halogen lamp?**

The Alegra LED is a neutral white light similar to daylight, with a colour temperature of 5500K. The diffusion pattern of the light means that a larger working area is illuminated. LED is a progressive technology and has a lifespan which is ten times longer than that of a halogen lamp.

**> How does the LED technology work?**

The LED chip (actual illuminant) lights blue. By way of colour conversion using a conversion paste (yellow using phosphorus), a coloured mixture produces neutral white light. The technology of the integrated generator means that there is only illumination when the instrument is running.

**> Can Alegra LED instruments with generator be sterilized?**

Yes, Alegra contra-angle handpieces with self-generated LED are both thermo washer disinfectable and sterilizable.

**> Can LED instruments also be used as curing lamps or light sensors?**

The wavelength of the LED chip used by W&H does not meet the required wavelength for curing filling materials and is therefore not suitable for this purpose. The instruments of the new Alegra range cannot be used as light sensors.

**> Is it possible for the LED instruments of the new Alegra range to overheat?**

No, the instruments cannot overheat as they are always operated in conjunction with cooling air. In addition, instruments with LED always have an internal spray supply which provides additional cooling.

**> What must be taken into consideration when preparing the handpieces?**

The instruments must be cleaned before sterilization and then lubricated using W&H F1 oil.

**> How often is servicing necessary?**

W&H recommends that servicing should be carried out once a year.

**> Who repairs the instruments?**

Repairs are only carried out by specialist workshops authorised by W&H. Only original spare parts are used.



**> What material is the surface of the new Alegra instruments made from?**

The external sleeve of the instruments is made of brass coated with chromium.

**> Why is the surface of the instruments in the new Alegra range completely smooth?**

The smooth surface is very easy to clean. Although it is smooth, it is easy to hold in use.

**> Can the new Alegra instruments be connected to motors with a light supply?**

Yes, the straight and contra-angle handpieces of the new Alegra range can be used on any motor with an ISO connection.

Further details on the handpieces can be found in the Instructions For Use.