

The Biobase BKM-K18N is an 18-litre Class N tabletop autoclave designed for reliable steam sterilisation of unwrapped solid instruments in dental practices, clinics and laboratories. It operates at 121°C and 134°C with a 0.23 MPa working pressure, S30408 stainless steel chamber and 3.5-inch LCD display. CE certified. Supplied in South Africa by Vital Medical.

Class N Sterilisation Technology for Solid Instruments

The Biobase BKM-K18N is a Class N tabletop autoclave that uses gravity air displacement to achieve effective steam sterilisation of unwrapped solid instruments. Class N is the established standard for sterilising metal and glass items that do not require vacuum penetration ? including forceps, scalpels, probes, dental tools and laboratory glassware. The 18-litre S30408 stainless steel chamber supports validated sterilisation programs at both 121°C and 134°C, eliminating bacteria, viruses, fungi and bacterial endospores in compliance with international sterilisation standards. The chamber's corrosion-resistant alloy construction ensures durability and long service life under daily clinical use.

Real-Time Monitoring and Multilayer Safety Protection

A 3.5-inch LCD display provides continuous readout of temperature, pressure, remaining cycle time and operating status throughout every sterilisation run. The BKM-K18N operates at a working pressure of 0.23 MPa with a maximum designed temperature of 150°C, offering a safe operating margin for clinical environments. Built-in protection systems include automatic cut-off on over-temperature and over-pressure events, anti-dry burn protection, automatic pressure relief, over-current protection and a leakage protection device. A built-in waste water tank collects condensate, while the open-type water tank supports back-to-back program cycles without interruption when kept topped up.

Compact Tabletop Design for South African Clinics

The BKM-K18N operates on AC220V / 50Hz power, making it fully compatible with South African electrical infrastructure. Its compact tabletop form factor suits small-to-medium clinics, dental

surgeries and outpatient facilities where bench space is limited. The unit is CE certified to European medical device standards and is supplied to South African healthcare providers by Vital Medical, ensuring local technical support, regulatory compliance and reliable availability for infection control programmes.

SKU: VM-ACBKM-K18N