



AIR ONE Set – Dental lab control unit with turbine

Kit including AIR ONE 1-way turbine control unit, laboratory turbine and pneumatic foot pedal.

Available

SKU: OFR01P

Categories: Control Boxes

Description

AIR ONE Professional System: Bench-Top Pneumatic Control Unit & HCP11 Dental Laboratory Turbine

Precision and control for dry dental laboratory applications.

AIR ONE is a bench-top pneumatic control unit with high-speed dental laboratory turbine, engineered for dry laboratory applications on metals, resins and technical materials.

The AIR ONE system paired with the HCP11 turbine is an ideal solution for dental laboratories carrying out dry work on metals, resins and other technical materials. Designed to deliver stability, reliability and ease of use, this system allows technicians to handle day-to-day applications with precision and consistency, without the need for water spray.

AIR ONE+ Control Unit: Essential Design and Reliable Control

The AIR ONE+ bench-top control unit is designed to drive spray-free turbines, providing a constant and regulated airflow for dependable performance.

- **Precise Pressure Adjustment:** allows the air pressure to be set accurately according to the application.
- **Progressive Foot Control:** enables the operator to regulate turbine speed while keeping both hands free, improving ergonomics and precision.
- **Operational Stability:** ideal for dry processing, finishing procedures and precision work on a wide range of materials.

HCP11 Spray-Free Turbine: Speed and Reliability



The HCP11 handpiece is a high-speed turbine designed for dry laboratory use, combining strong performance with excellent handling.

With a maximum speed of up to 330000rpm and high torque output, it supports precise and controlled work on metals, resins and technical materials.

- **Ergonomics and Balance:** designed to provide excellent control and help reduce operator fatigue during prolonged use.
- **Low-Noise Operation:** ceramic bearings provide lower noise levels than conventional steel bearings and help ensure smoother running with reduced vibration.
- **Enhanced Protection:** the shielding system helps limit the ingress of debris, contributing to longer handpiece service life.

The absence of spray makes the system particularly suitable for dry applications where maximum visibility and control are required.

Simplified Maintenance and Long-Term Serviceability

The system is designed to support operational continuity and reduce downtime:

- **Flexible Lubrication Options:** lubrication can be carried out using either oil or grease directly through the bur insertion point.
- **Quick Maintenance:** the internal rotor can be replaced easily, allowing faster servicing and reduced interruption to workflow.

Why Choose It

AIR ONE is an ideal solution for dry laboratory applications requiring precision, control and reliability, without the need for a spray system.

Technical Specifications

Control unit code	AR01PHC
Turbine code	HCP11
Unit configuration	Bench-top
Water spray system	NO
Turbine connection / hose type	1-hole Ø 4 mm
Maximum turbine speed	330000 rpm
Supply pressure	4 to 6 bar
Turbine operating pressure	2.5 to 2.8 bar (adjustable from 2 to 3 bar)



Air consumption	35L/min
Sound pressure level	?45dB
Foot control	Progressive
Chuck diameter	1.6 mm
Maximum bur length	25 mm
Sterilisation at 135°C	No
Control unit dimensions (W x D x H)	150 x 145 x 220 mm
Handpiece dimensions	Ø 17mm x L 125mm
Control unit weight (including foot control)	2.9 kg
Handpiece weight	87 gr