

OSSEODOC
User friendly control unit with sterilisable micromotor

OSSEODOC - the new control unit from Bien-Air

Compact, robust and stable, the new **OSSEODOC** control for orthopaedic microsurgery is practical and efficient. Its motor, with a coupling which meets ISO 3964 (the most widely used standard in the world), enables the operator to use a wide range of hand tools, micro-saws and other surgical instruments. Push-button selection of 4 motor speed ranges, two directions of rotation, two irrigation options and 4 flow rates for the peristaltic pump. Most of these functions are available using the foot control. Indicator lights and audible signals indicate the functions activated.

Features that make a difference:

- Convenient multifunctional footpedal with standardized symbols.
- Footpedal for variable speed control and 2-pushbuttons: On the right, selection of the 4 speed ranges and direction of rotation; on the left, peristaltic pump flow rate and ON/OFF control.
- The brushless BASCH motor can be autoclaved with its cable. It operates smoothly without vibration in both directions of rotation through a speed range from 500 to 40,000 rpm. Cooled by self-ventilation.
- An audible signal warns when the motor is rotating counterclockwise.
- Motor monitoring indicator.
- Irrigation flow rate adjustable in 4 steps from 15 to 130 ml/min.
- Irrigation functions: On request, using the pedal «Kick-down» or continuous flow synchronised with motor.
- **OSSEODOC** control unit available with or without peristaltic pump.
- Peristaltic pump kit available separately. Easy for the user to assemble.
- The control unit, motor and cable meet the 93/42 EEC directive and IEC 60601-1 standard.



Multifunction pedal



With or without integral peristaltic pump



Sterilisable BASCH motor



Technical characteristics of the OSSEODOC product range



OSSEODOC

Marking	CE 0120 as per 93/42 EEC directive
Supply voltage	115 / 230 Vac / 50/60 Hz
Motor power supply	1 quick connector of the push-pull type / 24 Vdc
Electrical insulation class	Class I
Applied parts	Type B
Medical class	Ila
Protection class	IP 40
Size / Weight	(L x H x D) 261 x 110 x 300 mm (height with irrigation stand 520 mm) / 5 kg with peristaltic pump, 4.1 kg without pump

Additional equipment for version with integrated peristaltic pump

Irrigation stand	Stainless steel, height 450 mm
Peristaltic pump	Delivery of 15 to 130 ml/min., adjustable in 25% steps (with two-speed Bien-Air irrigation line REF 1100037-001)
Retaining clips	Set of 10 clips for irrigation lines



Multifunction pedal

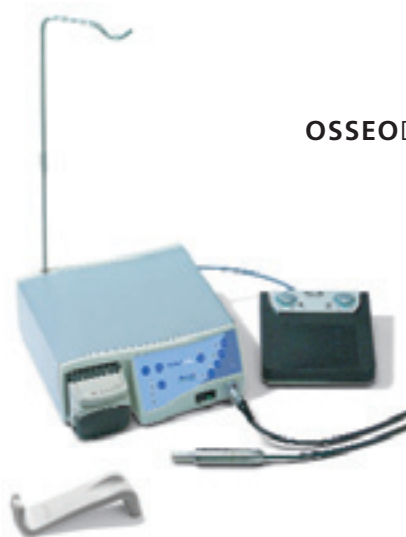
Protection class	IPx8
Functions	Start/stop, motor forward/reverse selection, speed control selection and operation of peristaltic pump.
Size / Weight	(L x H x D) 160 x 55 x 170 mm / 0.830 kg
Cable	295 cm ±5 cm



BASCH Micromotor with cable

Type	Brushless direct current,
Torque (maximum)	4 Ncm
Mechanical power rating	62 W with OSSEODOC at 20,000 rpm and 24 Vdc
Speed of rotation	500 to 40,000 rpm with OSSEODOC , 4 speed ranges. Self-ventilated
Coupling	As per ISO 3964, the most widely used standard in the world
Size / Weight	Diameter 21 mm, length 100 mm, ISO nose included / 120 g without cable
Motor cable	Push-pull type at OSSEODOC end, stainless-steel nut, black coloured, length 295 cm ±5 cm
Sterilisation of motor & cable	In autoclave at 134°C for 18 min.

Bien-Air Surgery reserves the right to make model modifications and technical changes without prior notice.



OSSEODOC with integrated peristaltic pump

Set comprises:

- 1 **OSSEODOC** control unit
- 1 mains power cable
- With integrated peristaltic pump

With:

- 1 sterilisable BASCH micromotor
- 1 black cable for micromotor
- 1 sealed footpedal with 2 push-buttons, multifunctional
- 1 irrigation stand
- 1 set of 10 irrigation lines with 2 flow rates
- 1 set of 10 retaining clips
- 1 sterilisable handpiece holder

115 / 230 Vac set REF 1700168-001

OSSEODOC without peristaltic pump



Set comprises:

- 1 **OSSEODOC** control unit
- 1 mains power cable

With:

- 1 sterilisable BASCH micromotor
- 1 black cable for micromotor
- 1 sealed footpedal with 2 push-buttons, multifunctional
- 1 sterilisable handpiece holder

115 / 230 Vac set REF 1700169-001

Peristaltic pump kit



To be integrated into **OSSEODOC** with:

- 1 irrigation stand
- 1 set of 10 irrigation lines with 2 flow rates
- 1 set of 10 retaining clips

REF 1700170-001

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