

OSSEOPRO - the new Bien-Air electronic control

Compact and practical, the OSSEOPRO control is simple to use and maintain. It ensures optimal and completely safe operation. It allows you to control the actual tool speed and torque. Its large sized character back-lit display ensures easy reading, even with poor lighting. A simple and stable pedal control activates the BASCH motors.

Features that make a difference:

- Pedal with variable speed and 4 push-buttons for selection of motor, program, motor rotation direction and activation of the synchronized pump.
- Possibility of working alternately with two motors.
- The BASCH brushless motors and their cables are autoclavable; vibration-free operation without jolts in the 2 rotation directions from 500 to 40 000 rpm.
- Audible signal indicating counter-clockwise rotation.
- Limitation of actual tool torque and speed.
- Intuitive programming; all functions can be changed manually at any time.
- Pre-programmed values: 31 reduction or multiplication ratio options are available for handpieces, from 1000:1 to 1:6.
- Peristaltic pump flow adjustable from 30 to 130 ml/min.
- Motor temperature monitoring eliminates any risk of burnout. Automatic stopping in case of overheating and indication on the OSSEOPRO display.
- The control, motor and cable meet directive 93/42 EEC and standard IEC 60601-1.

The OSSEOPRO set includes:

an electronic tabletop control, a pedal, an integral peristaltic pump, a support stand and 10 irrigation lines, with two flow rates, as well as 10 clips (for the sterile tubing). Various set options are available, see the following pages.



Multi-function footpedal



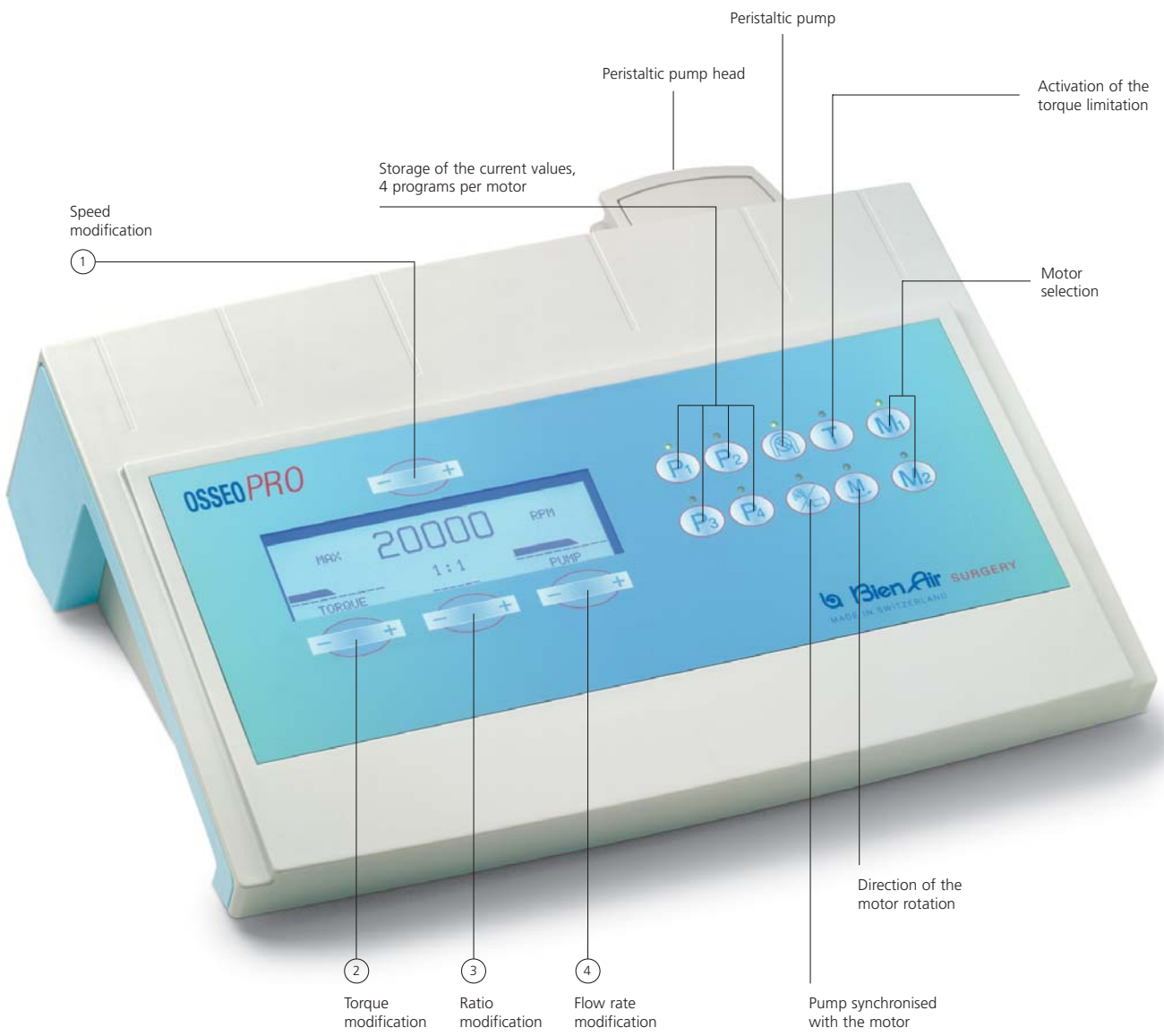
Integrated peristaltic pump



Sterilisable BASCH motor

Transmission ratios available

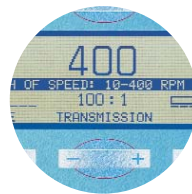
1000 : 1	40 : 1	7 : 1
512 : 1	33 : 1	6 : 1
256 : 1	30 : 1	4 : 1
128 : 1	28 : 1	2 : 1
120 : 1	27 : 1	1 : 1
100 : 1	24 : 1	1 : 2
74 : 1	20 : 1	1 : 3
64 : 1	16 : 1	1 : 4
60 : 1	14 : 1	1 : 5
50 : 1	10 : 1	1 : 6
	8 : 1	



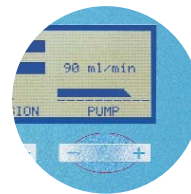
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OSSEOPRO surgical system - technical characteristics



OSSEOPRO

Voltage	230, 115 or 100 Vac
Motor supply	2 push-pull type quick-release connections / 24 Vdc for BASCH motors
Insulation class	I, type B
Protection class	IP 40 (protection against insertion of objects larger than 1 mm)
Dimensions (LxDxH)	370 x 270 x 115 mm (height with support stand 485 mm)
Weight	5.7 kg
Peristaltic pump	Flow rate from 30 to 130 ml/min
Support stand (H)	Stainless steel, height 450 mm
Double irrigation lines	Irrigation line with 2 flow rates from 100% to 50%
	White tube: 100% flow rate from 30 to 130 ml/min
	Green tube: 50% flow rate from 15 to 65 ml/min
Fixing clips	For irrigation line /10 pieces



Multi-function pedal

Airtight	IPx8, in accordance with CEI 529 and APG in accordance with EN 60601-1
Dimensions (LxWxH)	249 x 193 x 59 mm
Weight	0.8 kg



Motor BASCH

REF	Motor 1600076-001 / Cable 1600137-001
Power input	0-24 Vdc 5 A max.
Mechanical power	62 W with OSSEOPRO at 20 000 rpm and 24 Vdc
Rotation speed	500 - 40 000 rpm with OSSEOPRO, self-ventilated
Coupling	In accordance with the most common standard in the world, ISO 3964
Dimensions	diameter 21 mm, length 100 mm, ISO nose included
Weight	110 g, without cable
Motor cable	Push-pull type at OSSEOPRO end, stainless steel nut / black colour / length 3 m
Sterilisation	Motor + cable are sterilisable in autoclave

Bien-Air Surgery SA reserves the right to modify its products without prior notice.



Set
OSSEOPRO Mini

Set comprises:

- 1 OSSEOPRO for 230, 115 or 100 Vac
- With integrated peristaltic pump
- 1 Network cable kit
- 1 Water-resistant multifunctional pedal with 4 buttons
- 1 Irrigation stand

With: _____

- 1 BASCH micromotor
- 1 Cable for BASCH micromotor
- 1 Set of 10 irrigation lines, with two flow rates
- 1 Set of 10 Clips for tubing
- 1 Sterilisable holder for handpieces

Mini set for Europe 230 Vac	REF 1700144-001
Mini set for USA 115 Vac	REF 1700145-001
Mini set for Japan 100 Vac	REF 1700146-001

Set
OSSEOPRO Midi

Set comprises:

- 1 OSSEOPRO for 230, 115 or 100 Vac
- With integrated peristaltic pump
- 1 Network cable kit
- 1 Water-resistant multifunctional pedal with 4 buttons
- 1 Irrigation stand

With: _____

- 2 BASCH micromotors
- 2 Cables for BASCH micromotor
- 1 Set of 10 irrigation lines, with two flow rates
- 2 Sets of 10 Clips for tubing
- 2 Sterilisable holder for handpieces

Mini set for Europe 230 Vac	REF 1700141-001
Mini set for USA 115 Vac	REF 1700142-001
Mini set for Japan 100 Vac	REF 1700143-001

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OSSEOPRO
Multi-function control for microsurgery