



FLUID & TISSUE MANAGEMENT SOLUTION

Perfect vision  
+ Perfect cut



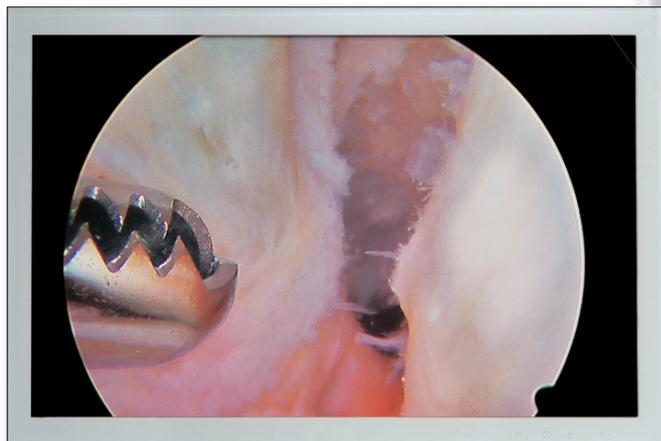
**SOPRO**  
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## Arthroscopy shaver system

### Shaver handpiece

- High torque motor
- Superior cutting performance
- Twin buttons for simplicity
- Lightweight handpiece
- Smooth control of suction flow
- Multi-directional shaver blade loading
- Machine washable and autoclavable handpiece



## Arthroscopy pump

- Irrigation and suction flow management
- Quick leakages compensation
- Wide screen interface and wheel selection
- Pneumatic foot remote control
- Noiseless

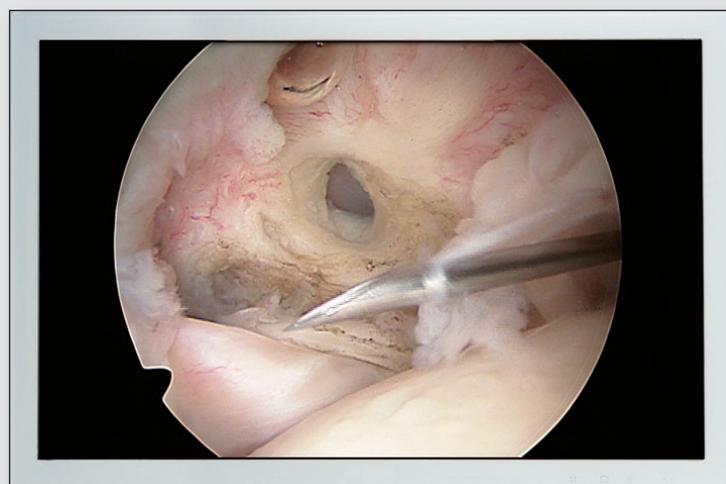
### SAFETY

The best regulation algorithm is automatically selected in a second according to the diameter of the sheath.

Coupled with the instantaneous overpressure release function, the pump provides the highest safety level in fluid management.

### CLEAR VISION

The flush function and the compact suction management system provide superior visualization during arthroscopic procedures.



# Arthroscopy shaver system

## Multi purpose handpiece

- Drill/driver/reamer and saw driving capabilities with full range of attachments
- Automatic attachments recognition activating the appropriate settings
- Machine washable and autoclavable handpiece



## Shaver control unit

- Double input to drive simultaneously shaver handpiece and multipurpose handpiece
- Precise speed adjustment via foot pedal, front foil controls and handpiece buttons
- Quick access to stored settings



Compact Foot Pedal  
with variable speed selection

## Accessories

### Shaver straight blades & burs



### Shaver curved blades



Refer to the 2011 Capital Equipment catalog for disposable or reusable blades and burs information.  
Sizes available from 2.5 to 6.5 mm

### Multi purpose handpiece attachments



Range of sterile sagittal, reciprocating saw blades, burs, twist drills and K-wires available on demand.

# Technical specifications

## Shaver Handpiece

### Speed, Straight blades:

Fwd/ Rev: 400-3000 rpm

Oscillate: 500-3000 rpm

### Speed, Curved blades:

Fwd/ Rev: 400-3000 rpm

Oscillate: 500-3000 rpm

### Speed, Shaver Bur:

Fwd/ Rev: 500-8000 rpm

2 controls (option)

Weight: 284 g (Ex cable)

Length: 152 mm

Diameter: 35 mm

Voltage: 24 V

4meters cable

Stall Torque: 14 Ncm

Material: Anodised aluminium and stainless steel

Autoclavable 134°

Continuous service

## Shaver Control unit

2 simultaneous drive capability

Selection for Forward/Reverse/Oscillate and Safe Modes.

Variable speed control of selected Instrument.

Input voltage: 100 - 230VAC 50/60Hz

Continuous service

### Regulatory of the assembled shaver

Electrical safety : Class 1, B type -Earthed

Complies with the European standard 93/42/EEC - Class IIa

Complies with the international standards IEC 60601-1; IEC 60601-2-18 ; IEC 60417 and EN 980

## Multipurpose Handpiece

Forward, reverse or oscillating modes are available according to attachment

### Speed 0 - 1100 rpm:

Jacobs chuck 0 - 4 mm (5/32"), Quick release chuck A.O.

Synthes/ASIFTM, Wire driver and PZ-450 Pin driver

### Speed 0 - 21000 cycles/min:

Quick release sagittal saw attachment

### Speed 0 - 18000 cycles/min:

Sagittal saw attachment

### Speed 0 - 12000 cycles/min:

Reciprocating saw attachment

Cannulation : 4.1 mm

4 meters cable

Autoclavable 134°

Continuous service

## Foot Switch

Footswitch with variable speed selection

Continuous service

Protects against accidental actuation of the foot control.

## Arthroscopy pump

Automatic flow rate management

Maximum flow: 1.5 L/min

Maximum pressure (accuracy 5 mmHg): 120 mmHg

Irrigation flow management from 0 to 1.5L/min

Suction flow management from 0 to 100%

Automatic canula selection

Flush function with foot remote control

Quick leakages compensation

Automatic overpressure release

5"7 LCD screen

Browser system and validation by knob

Dimensions: L=300mm, D=340mm, H=145mm

Weight: 8 Kg

Input voltage: 100 - 230VAC 50/60Hz

Protection by fuse: 2 x 2.5 A Temporisised fuses - 250V - UR

Power consumption: 80VA

Continuous service

### Accessories:

Power cable  
Pneumatic pedal (IP32) in option

### Regulatory

Electrical safety : Class 1, BF type

Complies with the European Directive 93/42/EEC - Class IIa

Complies with the IEC 60 601-1; IEC 60601-2-18 ; IEC 60417 and EN 980

