

HEMODOISS



**The innovation
of radiofrequency
for surgical
applications**

HEMOdiSS



The innovation of radiofrequency for surgical applications

HEMOdiSS is a bipolar generator with integrated peristaltic pump designed for exclusive use with HEMOdiSS single-use bipolar devices for simultaneous delivery of radiofrequency (RF) energy and saline solution for hemostasis of soft tissue and bone during surgery. It is indicated for general and oncological surgery procedures (both laparoscopic and open), orthopedic, trauma, thoracic, and spine surgery.

Power setting from 20-200 W in 20 W increments

Simultaneous delivery of RF power and saline solution

The generator simultaneously delivers RF power and saline solution to the single-use bipolar device when it is properly connected to the unit and the red activation button on the back of the handpiece is pressed.

Setting of the saline solution flow rate independently of RF power

The flow rate is independent of the RF power selected and can be adjusted by pressing the corresponding buttons with steps from 1 to 10 located on the front panel of the generator.

Integrated continuous aspiration

To allow the removal of smoke, liquids, and debris throughout the operation.

Practical Priming function

Pressing the dedicated button automatically fills the HEMOdiSS single-use bipolar device with saline solution before use and after it is properly connected to the unit.

**GENERAL SURGERY
ONCOLOGICAL SURGERY
SPINE SURGERY
TRAUMA IN ORTHOPEDICS
HIP AND KNEE REPLACEMENT**

APPLICATIONS



HEMOdiSS



ON/OFF

HEMOiSS SURGICAL SEALER

**DIRECT ASPIRATION
ON THE HANDPIECE**
For single-handed
operations

INTEGRATED ASPIRATION
Button on the handpiece to increase
aspiration as needed during
surgery

CHANNEL
Unique feature to prevent duct from
clogging with debris

INNOVATIVE SYSTEM
with exclusive surgical sealer handpiece

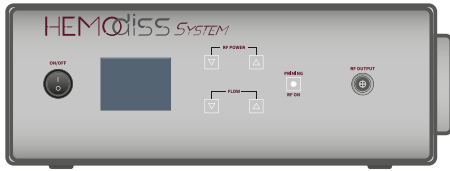
CONTROLLED TEMPERATURE
to minimize thermal damage

REDUCES SURGICAL COMPLICATIONS
Less intra-operative blood loss
Less need for transfusion
Better post-operative course

ECONOMIC BENEFITS
Reduced post-operative stay
Reduced costs

Technical Specifications

HG1 GENERATOR



Product Code: HG1

Commercial name: Hemodiss Generator

Product category: Bipolar electrosurgical generator

Intended use: Hemostatic Closure and Coagulation of soft tissue and bone

Special Features:

- Bipolar generator with integrated peristaltic pump
- For use with Hemodiss handpieces only
- Designed for exclusive use with physiological saline solution (NaCl 0.9%)
- The integrated pump is activated manually regardless of the power of the bipolar energy
- 10 steps to adjust the pump flow
- Priming function for fast filling of the tube line with saline solution
- Can be used simultaneously with other electromedical instruments, both monopolar and bipolar

Compatibility: The full range of Hemodiss disposable handpieces

Connections:

- Direct with power cord integrated in Hemodiss handpieces
- Direct (on the pump) with tube and insert integrated in Hemodiss handpieces
- Direct (on the aspirator) with tube/connection integrated in the Hemodiss handpieces

Weight: 5 Kg

Dimensions: 32.0cm x 32.0cm x 12.0cm

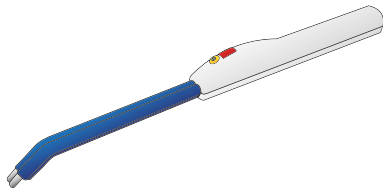
Output power: 20 to 200 W

Power increments: from 20 to 200W in 20W steps

Output Frequency: 370 KHz

Load rating: 70 Ohm

Power cord: Cord for hospital use with 3 conductors and connector IEC60320-C13 to Europlug CEE 7/16



SURGICAL SEALER HOR-1001 ORTHOPEDIC HANDPIECE

Product code: HOR-1001

Commercial name: Hemodiss Surgical Sealer

Product category: Single-use bipolar electrosurgical handpiece

Intended use: Hemostatic Closure and Coagulation of soft tissue and bone

Special Features:

- Sterile single-use handpiece
- For use only with Hemodiss Pump Generator
- Designed for exclusive use with physiological saline solution (NaCl 0.9%)
- Integrated tube line for saline solution and surgery aspirator
- Integrated power cord with plug
- Activation button on handpiece
- Ergonomic handle
- Easy to clean during surgery

Compatibility: Hemodiss Pump Generator

Connections:

- Direct with integrated power cord
- Direct (on the pump) with integrated tube and insert
- Direct (on the aspirator) with integrated tube/connection

Total length: 270 mm

Rod length: 120 mm

Handle width: 24 mm

Weight: 200 g. (including tubes) - 50 g. (handpiece only)

Electrode length: 6 mm

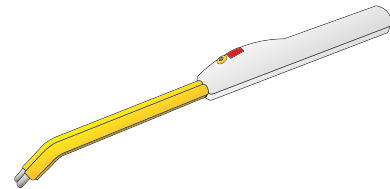
Electrode width: 3.5 mm

Electrode spacing: 6 mm

End of rod angle: 60°

Cord length: 3 m

Tube length: 3 m



SURGICAL SEALER HCH-1002 SURGICAL HANDPIECE

Product code: HCH-1002

Commercial name: Hemodiss Surgical Sealer

Product category: Single-use bipolar electrosurgical handpiece

Intended use: Hemostatic Closure and Coagulation of soft tissue and bone

Special Features:

- Sterile single-use handpiece
- For use only with Hemodiss Pump Generator
- Designed for exclusive use with physiological saline solution (NaCl 0.9%)
- Integrated tube line for saline solution and surgery aspirator
- Integrated power cord with plug
- Activation button on handpiece
- Ergonomic handle
- Easy to clean during surgery

Compatibility: Hemodiss Pump Generator

Connections:

- Direct with integrated power cord
- Direct (on the pump) with integrated tube and insert
- Direct (on the aspirator) with integrated tube/connection

Total length: 270 mm

Rod length: 120 mm

Handle width: 24 mm

Weight: 200 g. (including tubes) - 50 g. (handpiece only)

Electrode length: 8 mm

Electrode width: 3.5 mm

Electrode spacing: 6 mm

End of rod angle: 60°

Cord length: 3 m

Tube length: 3 m



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