

INSPIRAL



SUCTION SUCTION &
ELECTROSURGERY
2019



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Surgical Suction Units





INSPI TAL Surgical Suction Units are designed for the suction of surgical fluids, gases and other wastes in operation area during and after the surgery.

Device creates stable vacuum performance at adjusted vacuum level thanks to its maintenance free oil-less vacuum pump. Wide range of accessories makes the device very suitable for many different departments in the hospital.

MODELS

SU60.10	2 x 3 L Reusable Vacuum Jar
SU60.15	2 x 5 L Reusable Vacuum Jar
SU60.05	2 x 3 L Reusable Vacuum Jar, Extractor



SU60.22 2 x 2 L Disposable Liner
SU60.33 2 x 3 L Disposable Liner



Portable Suction Units

- ◆ Designed to be used in small operations requiring low vacuum
- ◆ Portable design suitable for holding in hand

MODELS

- SU60.06 Mobile 220 VAC
- SU60.08 Mobile, with battery 24 V



Main Body, Pump and Control

- ◆ Rapid suction with 60 L/Min flow rate, adjustable vacuum power at 680 mmHg interval for increased surgical area visibility
- ◆ Vacuum adjustments by easily accessible control panel and vacuum manometre for monitoring vacuum level
- ◆ Maintenance free, silent, non-vibrating, oil free vacuum pump
- ◆ Easy to clean, robust body design which is suitable for hospital cleaning and disinfection system



Pump Protection System

- ◆ Protective technology preventing overflowing and liquid leakage to pump system by integrated buoy system and hydrophobic filter



Wide Range of Jars

- ◆ Collecting jars with scaled body, integrated & easy to carry handle
- ◆ 3 L and 5 L capacity options for autoclavable polycarbonate jars
- ◆ 2 L and 3 L capacity options for disposable liners with autoclavable polycarbonate jars



Foot Switch Specifications

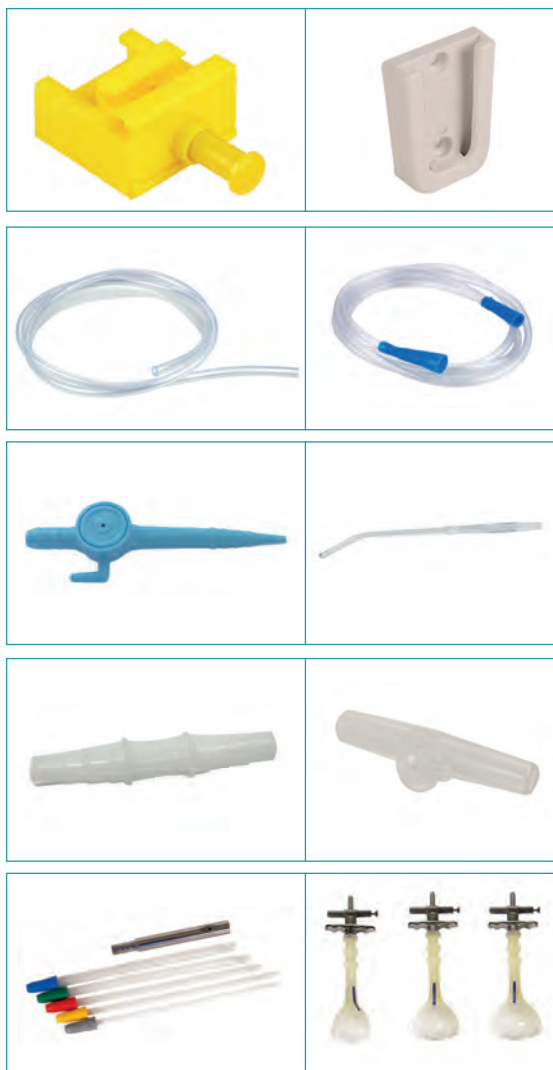
- ◆ Designed to be used in delivery operations via Malmstrom-Throe method by its integrated pedal system. Device has optional delivery assistance equipment as birth cups and fivefold cannula sets.



Suction Liner

Suction Liner, 1 L	AT20.10
Suction Liner, 2 L	AT20.20
Suction Liner, 3 L	AT20.30
Suction Liner With Antifoam, 1 L	AT20.11
Suction Liner With Antifoam, 2 L	AT20.22
Suction Liner With Antifoam, 3 L	AT20.33
Suction Liner With Solidifying Agents, 1 L	AT20.91
Suction Liner With Solidifying Agents, 2 L	AT20.92
Suction Liner With Solidifying Agents, 3 L	AT20.93

- ◆ No contact with patient.
- ◆ Liner and lid are made of durable plastic.
- ◆ Liners are flexible
- ◆ In bags, optionally, disinfectant, foam inhibitor and gelling agents are available.



Rail Attachment

For 25 x 5 mm Rail	AT20.37
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Wall Attachment

For 25 x 5 mm Rail	AT20.50
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Silicone / PVC Tube

8 x 14 mm (silicone)	AT20.47
6 x 11 mm (silicone)	AT20.46
8 x 12 mm (PVC)	AT20.44
10 x 14 mm (PVC)	AT20.45

Yankauer Tipped Hose

1,8 Meter	AT20.40
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Vacuum Control Connector

Control Connector	AT20.54
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Suction Cannula, Plastic

Non-Sterile	AT20.55
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Tube Connector

Non-Sterile	AT20.52
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Kapkon Connector

Kapkon Connector	AT20.53
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Cannula Set

Cannula Set, 5 pcs	SU95.30
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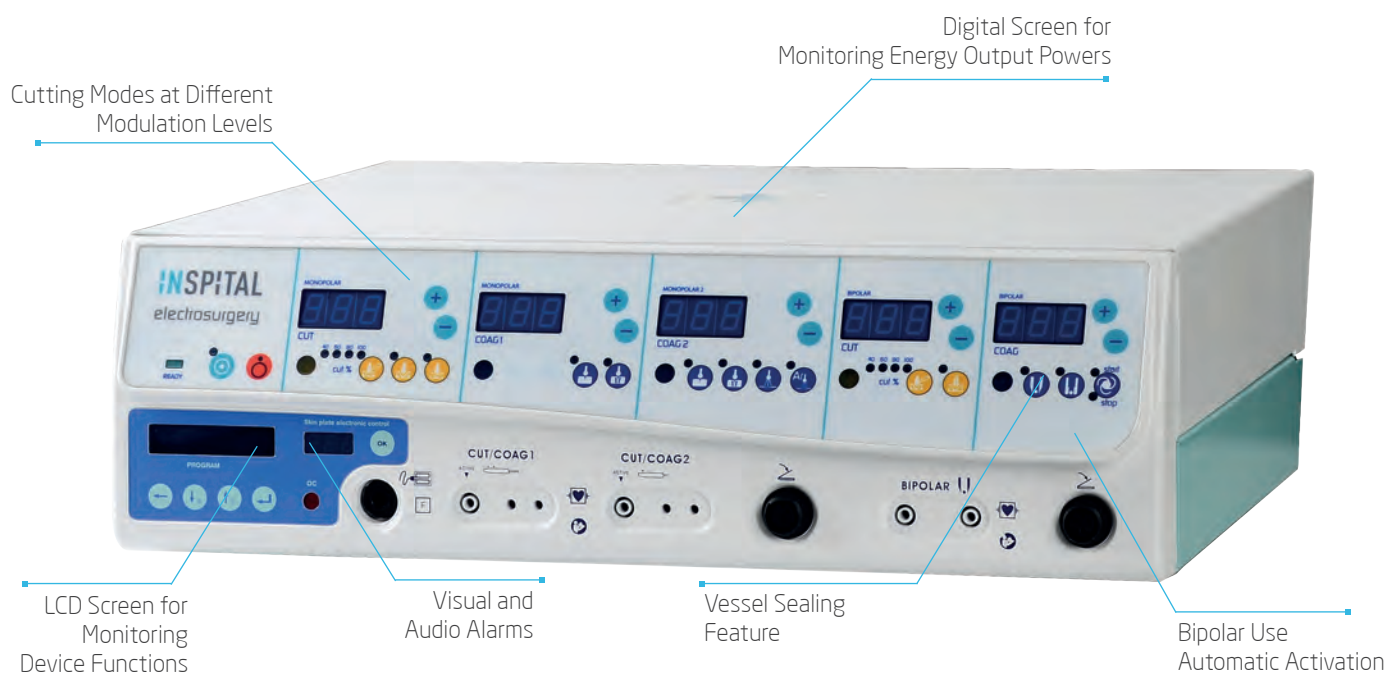
Silicone Birth

Silicone Birth Cup, 50 mm	SU95.10
Silicone Birth Cup, 60 mm	SU95.15
Silicone Birth Cup, 70 mm	SU95.20

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Electrosurgical
Devices





Inspital NS04.00 and NS02.50 electrocautery devices can be used in all type of surgeries like general surgery, orthopedics, urology, cardiovascular surgery and neurosurgery with high performance and micro operation technology.

- ◆ Twin Output Channels
- ◆ Controlled Cutting & Coagulation Procedures
- ◆ Wide Bipolar Features
- ◆ Vessel Sealing Function
- ◆ Total Safety for Surgeon and Patient
- ◆ Standard Outputs for Argon Plasma and Smoke Evacuator Units
- ◆ Error Log System
- ◆ Automatic Self Diagnosis

TECHNICAL SPECIFICATIONS

Monopolar	NS04.00	NS02.50
• Maximum Output Power Pure CUT	400 W - 300 Ω	400 W - 300 Ω
• Maximum Output Power Cut-Coag CUT80%	300 W - 300 Ω	220 W - 300 Ω
• Maximum Output Power Cut-Coag CUT60%	250 W - 300 Ω	200 W - 300 Ω
• Maximum Output Power Cut-Coag CUT40%	200 W - 300 Ω	150 W - 300 Ω
• Maximum Output Power Cut ENHANCED	250 W - 500 Ω	150 W - 500 Ω
• Maximum Output Power Cut-coag BLEND	250 W - 300 Ω	150 W - 300 Ω
• Maximum Output Power Coag SPEEDY	120 W - 500 Ω	100 W - 500 Ω
• Maximum Output Power Coag DEEP	120 W - 200 Ω	100 W - 200 Ω
• Maximum Output Power Coag SPRAY	100 W - 2000 Ω	60 W - 2000 Ω
• Maximum Output Power Coag SPRAY ARGON	100 W - 2000 Ω	60 W - 2000 Ω
Bipolar		
• Maximum Output Power Pure CUT	120 W - 150 Ω	120 W - 150 Ω
• Maximum Output Power Cut-Coag CUT80%	100 W - 150 Ω	100 W - 150 Ω
• Maximum Output Power Cut-Coag CUT60%	100 W - 150 Ω	100 W - 150 Ω
• Maximum Output Power Cut-Coag CUT40%	60 W - 150 Ω	60 W - 150 Ω
• Maximum Output Power Cut-coag BLEND	100 W - 150 Ω	100 W - 150 Ω
• Maximum Output Power Coag COAG	120 W - 50 Ω	120 W - 50 Ω
• Vessel Sealing Feature	200 W - 50 Ω	200 W - 50 Ω
• Working Frequency Monopolar / Bipolar	380 kHz / 525 kHz	425 kHz / 525 kHz
• Dimensions	470 x 380 x 150mm	470 x 380 x 150mm





Inspital NS02.00 is new generation of electrocautery devices with microprocessor control and 7 inch touchscreen control panel. It is suitable to use in emergencies and minor or major surgeries.

TECHNICAL SPECIFICATIONS

Model	NS02.00
• Maximum Output Power CUT	200 W - 300 Ω
• Maximum Output Power BLEND	150 W - 300 Ω
• Maximum Output Power FORCED COAG	150 W - 200 Ω
• Maximum Output Power SOFT COAG	100 W - 200 Ω
• Maximum Output Power BIPOLAR PURE CUT	120 W - 100 Ω
• Max Output Power BIPOLAR COAG	100 W - 50 Ω
• Max Output Power BIPOLAR SEALING	200 W - 50 Ω
• Working Frequency	360 kHz
• Selectable Input Voltage	100 - 240 V AC / 50-60 Hz
• Inlet Power	750 VA

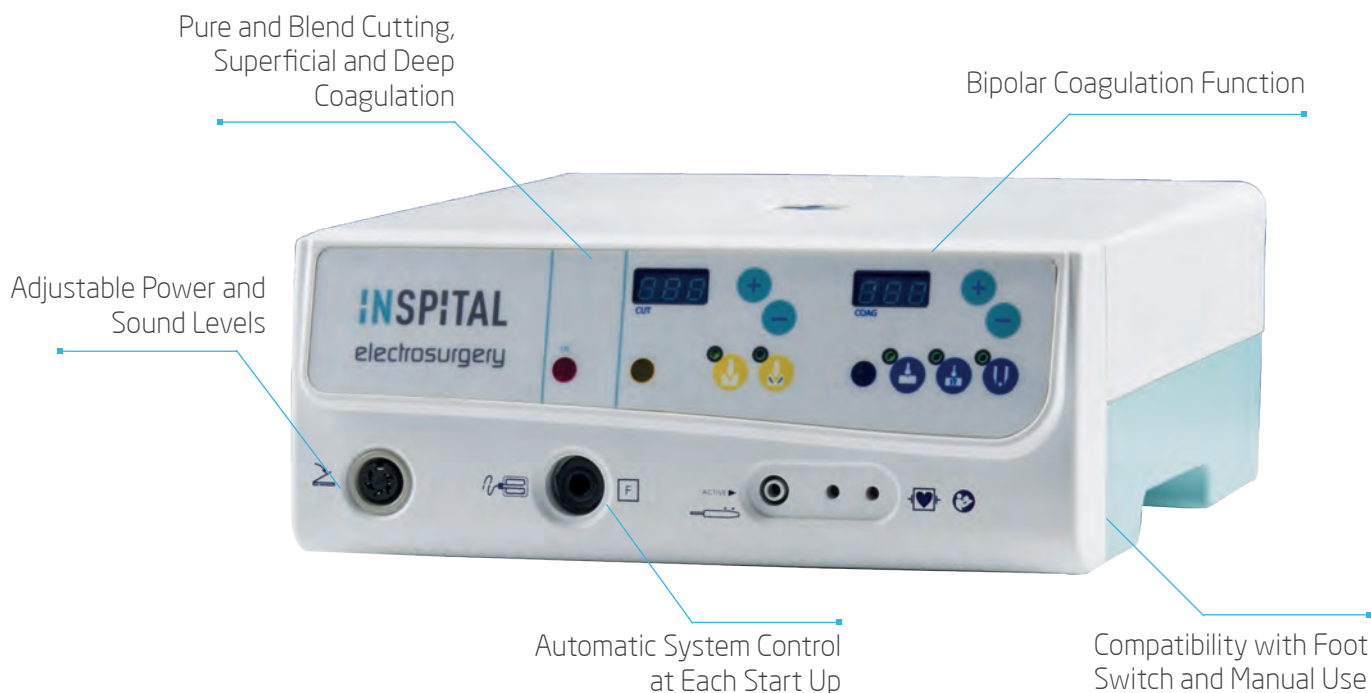


One Touch
Many Surgeries



USB support





NS01.60 is designed for minor and medium surgery procedures. It has microprocessor controlled wide range of monopolar and bipolar usage with 160 W max output power.

TECHNICAL SPECIFICATIONS

Model	NS01.60
• Maximum Output Power Pure CUT	60 W - 250 Ω
• Maximum Output Power CUT	120 W - 200 Ω
• Maximum Output Power FORCED COAG	100 W - 150 Ω
• Maximum Output Power SOFT COAG	80 W - 100 Ω
• Maximum Output Power BIPOLAR	60 W - 100 Ω
• Working Frequency	600 kHz
• Selectable Input Voltage	115 - 230 V AC / 50-60 Hz
• Dimensions	254x288x104 mm





Disposable Pencil



Bipolar Penset and Cable



Electrodes



Long Electrodes



Bipolar Pensets

Electrode Handles

Disposable tip	NS30.10
Reusable tip	NS30.11

Blade Type Electrodes

7 cm, straight	NS30.20
7 cm, curved	NS30.21
16 cm, straight	NS30.22

Needle Type Electrodes

7 cm, straight	NS30.30
7 cm, curved	NS30.31
13 cm, straight	NS30.32

Ball Type Electrodes

Dia. 2 mm, 6 cm, straight	NS30.40
Dia. 2 mm, 6 cm, curved	NS30.41
Dia. 3 mm, 6 cm, straight	NS30.42
Dia. 3 mm, 6 cm, curved	NS30.43
Dia. 4 mm, 6 cm, straight	NS30.44
Dia. 4 mm, 6 cm, curved	NS30.45
Dia. 5 mm, 6 cm, straight	NS30.46
Dia. 5 mm, 6 cm, curved	NS30.47
Dia. 3 mm, 14 cm, straight	NS30.48
Dia. 5 mm, 14 cm, straight	NS30.49

Needle Type Electrodes

20x13 mm	NS30.50
10x10 mm	NS30.51
20x20 mm	NS30.52
13cm, conic type	NS30.53

Bipolar Electrodes

20 cm, straight type	NS30.60
20 cm, double bend	NS30.61
20 cm, single bend	NS30.62



Vessel Sealing Open Surgery Instruments



Vessel Sealing Laparoscopic Instruments



Vessel Sealing Laparoscopic Instruments



Foot Pedal

Bipolar Forceps

11.5 cm, straight tip	NS30.70
11.5 cm, curved tip	NS30.71
20 cm, straight tip	NS30.72
20 cm, curved tip	NS30.73
20 cm, bayonet, straight	NS30.74
20 cm, bayonet, curved up	NS30.75
20 cm, bayonet, curved down	NS30.76

Laparoscopic Vessel Sealing Instruments

Endo. Ves. s. grasper, 34 cm, straight	NS30.80
Endo. Ves. s. grasper, 34 cm, curved	NS30.81
Endo. Ves. s. & cutting grasper, 25 cm	NS30.82
Endo. Ves. s. & cutting grasper, 34 cm	NS30.83
Blade for vessel sealing & cutting gras.	NS30.84

Open Surgery Vessel Sealing Instruments

26 cm, non-stick	NS30.90
24 cm, non-stick	NS30.91
16 cm, standard	NS30.92
22 cm, standard	NS30.93
Bipolar cable	NS30.94

Monopolar Scissors

Scissors forceps, 18 cm	NS30.01
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Cables

Patient plate cable, reusable	NS30.02
Bipolar penset cable, reusable	NS30.03
Cable	NS30.04

Patient Plates

Disposable plate	NS30.05
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