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Goldbov's quality management system has passed ISO 9001:2015 &ISO 13485:2016 certification

Electrosurgical accessories Catalogue

electrosurgical pencil
electrosurgical grounding pad
electrosurgical electrode
non-stick bipolar forceps
medical foot switch



GOLDBOV

Introduction

Goldbov Phtoelectronics Co., Ltd dedicates to the development, manufacture and sales of professional electrosurgical accessories, medical LED illuminators, as well as air sterilizers.

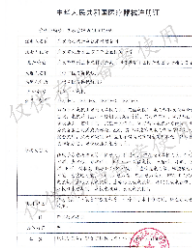
All Goldbov production lines comply with the highest standards in medical and hospital industry. We have established isolated 100-thousand-grade purification GMP workshop, and 10-thousand-grade Laboratory. In addition, Goldbov owns more than 100 units testing equipments, each product is inspected and tested before it is out of factory. And the qualification rate reaches 100%. More importantly, Goldbov credits the most rigorous standard in domestic for ESU accessories manufacturing, each material directly contacting with human body, has testing reports of State laboratory on cytotoxicity, intracutaneous reaction, as well as delayed type hypersensitivity. Goldbov sticks to technology first, and work hard to create four top on products security, environment friendly, technology advanced, and service satisfied.



100-thousand-grade purification GMP workshop



Certificate display



CFDA



ISO 9001: 2015



ISO 13485: 2016

Exhibition display



Product display

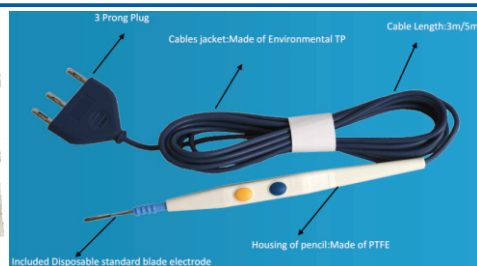


Electrosurgical pencil

Features:

- 1.Match with electrosurgical generator, radio frequency generator and other high frequency equipment; Suitable for various kinds of surgery;
- 2.Lightweight ergonomic streamlined body outer design: slip-proof and easy to use;
- 3.Unique 3-step assemble of the body inner structure: more water-resistant and stabler;
- 4.Hexagonal design pencil tip locks the electrode firmly, prevent inadvertent twisting; safely use;
- 5.Connect various electrodes with shaft diameter 2.35mm;
- 6.Strong inner copper core cable ensures the pencil with excellent safety and conductivity;
- 7.Hand control and foot control, disposable and reusable type;Normal and Teflon plated non-stick available;
- 8.ODM,OEM and customized requirement are welcome;

Detail display



Disposable hand switch pencil(button control-short140mm, white color)

Packing: sterilization pouch, 1pc/pouch,25pcs/box, 100pcs/carton;

- DH01-1
with stainless steel 70mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-2
with stainless steel 150mm extended blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-3
with non-stick 70mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-4
with non-stick 150mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;



Electrosurgical pencil

Disposable hand switch pencil(button control-short140mm, blue color)

Packing: sterilization pouch, 1pc/pouch,25pcs/box, 100pcs/carton;

- DH01-1
with stainless steel 70mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-2
with stainless steel 150mm extended blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-3
with non-stick 70mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-4
with non-stick 150mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;



Disposable hand switch pencil(button control-short140mm, orange color)

Packing: sterilization pouch, 1pc/pouch,25pcs/box, 100pcs/carton;

- DH01-1
with stainless steel 70mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-2
with stainless steel 150mm extended blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-3
with non-stick 70mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;
- DH01-4
with non-stick 150mm standard blade electrode tip, 3m long cable, 3-point connector, white, green, blue color for choice;



Electrosurgical pencil



Disposable foot switch pencil

DF01-1

with stainless steel 70mm standard blade electrode tip, 3m long cable, 1-point connector, white, green, blue color for choice, sterilization pouch, 1pc/pouch, 25pcs/box, 100pcs/carton

DF01-3

with non-stick 70mm standard blade electrode tip, 3m long cable, 1-point connector, white, green, blue color for choice, sterilization pouch, 1pc/pouch, 25pcs/box, 100pcs/carton



Reusable hand switch pencil

Rh50

with stainless steel 70mm blade electrode tip, 3m long cable, 3-point connector, auto clivable (134°C/18min, number of uses guarantee 50 time, black color, 1pc/pouch)

ESU pencil tip cleaner

TC-1 48mm × 48mm, sterilization pouch, 1pc/pouch, 800pcs/carton

TC-2 48mm × 24mm, sterilization pouch, 1pc/pouch, 800pcs/carton



ESU pencil holster

PH-1 sterilization pouch, 1pc/pouch, 50pcs/carton



Electrosurgical pencil

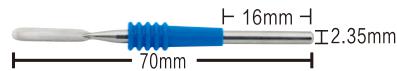


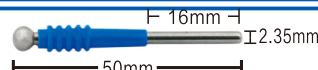


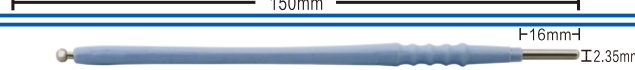

More high quality electrosurgical pencils



Needle/blade/ball electrode

Features:



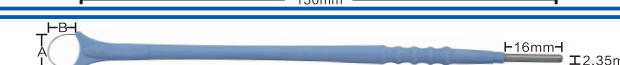
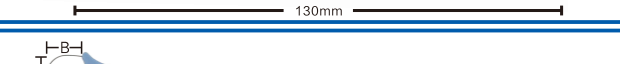



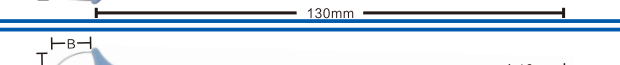
- 1.Suitable for all types of surgery;
- 2.Can be connected to all types of pencils with 2.35mm diameter;
- 3.Precision CUT effect and excellent COAG function;
- 4.Non-stick available, non-stick teflon coating reduce the eschar buildup;
- 5.Easily wipe the eschar with the sterilized sponge during operation;
- 6.Disposable and reusable 2 types;
- 7.ODM,OEM and customized requirement are welcome;

	DEK001 disposable standard blade electrode REK01 reusable standard blade electrode DEK001-1 disposable standard non-stick blade electrode REK01-1 reusable standard non-stick blade electrode
	DEN001 disposable standard needle electrode REN01 reusable standard needle electrode
	DEB003 disposable standard 3mm ball electrode REB03 reusable standard 3mm ball electrode
	DEB005 disposable standard 5mm ball electrode REB05 reusable standard 5mm ball electrode
	DEEK001 disposable extended blade electrode REEK01 reusable extended blade electrode DEEK001-1 disposable standard non-stick blade electrode REEK01-1 reusable standard non-stick blade electrode
	DEEN001 disposable extended needle electrode REEN01 reusable extended needle electrode
	DEEB003 disposable extended 3mm ball electrode REEB03 reusable extended 3mm ball electrode
	DEEB005 disposable extended 5mm ball electrode REEB05 reusable extended 5mm ball electrode

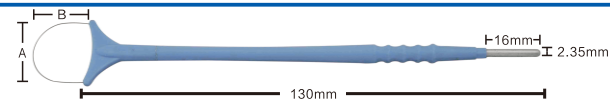
Tungsten electrode

Features:

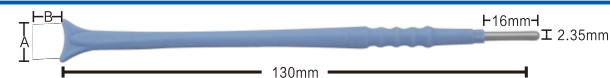
- 1.Noncytotoxic tungsten, diameter 0.2mm(0.008inch);
- 2.Extra rigid tungsten electrodes prevent undesirable bending while cutting;
- 3.Can be connected to all types of pencils with 2.35mm diameter;
- 4.Variety of loops, squares, triangles and B-shapes are available;
- 5.ODM,OEM and customized requirement are welcome;

	DTL5-5 disposable loop tungsten electrode A x B = 5 x 5 130mm RTL5-5 reusable loop tungsten electrode A x B = 5 x 5 130mm
	DTL10-7 disposable loop tungsten electrode A x B = 10 x 7 130mm RTL10-7 reusable loop tungsten electrode A x B = 10 x 7 130mm
	DTL10-8 disposable loop tungsten electrode A x B = 10 x 8 130mm RTL10-8 reusable loop tungsten electrode A x B = 10 x 8 130mm
	DTL10-10 disposable loop tungsten electrode A x B = 10 x 10 130mm RTL10-10 reusable loop tungsten electrode A x B = 10 x 10 130mm
	DTL15-8 disposable loop tungsten electrode A x B = 15 x 8 130mm RTL15-8 reusable loop tungsten electrode A x B = 15 x 8 130mm
	DTL15-12 disposable loop tungsten electrode A x B = 15 x 12 130mm RTL15-12 reusable loop tungsten electrode A x B = 15 x 12 130mm
	DTL20-8 disposable loop tungsten electrode A x B = 20 x 8 130mm RTL20-8 reusable loop tungsten electrode A x B = 20 x 8 130mm
	DTL20-10 disposable loop tungsten electrode A x B = 20 x 10 130mm RTL20-10 reusable loop tungsten electrode A x B = 20 x 10 13 mm

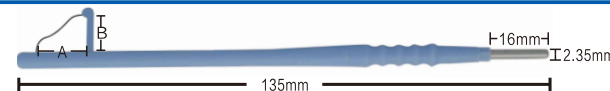
Tungsten electrode



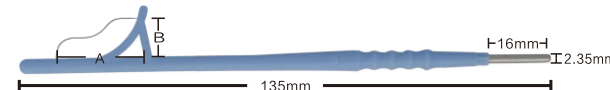
DTL20-15 disposable loop tungsten electrode A x B = 20 x 15 130mm
RTL20-15 reusable loop tungsten electrode A x B = 20 x 15 130mm



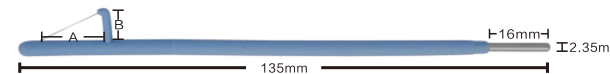
DTS10-8 disposable square tungsten electrode A x B = 10 x 8 130mm
RTS10-8 reusable square tungsten electrode A x B = 10 x 8 130mm



DTB15-10 disposable B-shape tungsten electrode A x B = 15 x 10 135mm
RTB15-10 reusable B-shape tungsten electrode A x B = 15 x 10 135mm



DTB20-12 disposable B-shape tungsten electrode A x B = 20 x 12 135mm
RTB20-12 reusable B-shape tungsten electrode A x B = 20 x 12 135mm



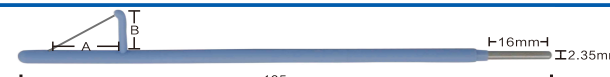
DTT18-9 disposable triangle tungsten electrode A x B = 18 x 9 135mm
RTT18-9 reusable triangle tungsten electrode A x B = 18 x 9 135mm



DTT18-11 disposable triangle tungsten electrode A x B = 18 x 11 135mm
RTT18-11 reusable triangle tungsten electrode A x B = 18 x 11 135mm



DTT15-10 disposable triangle tungsten electrode A x B = 15 x 10 135mm
RTT15-10 reusable triangle tungsten electrode A x B = 15 x 10 135mm



DTT20-12 disposable triangle tungsten electrode A x B = 20 x 12 135mm
RTT20-12 reusable triangle tungsten electrode A x B = 20 x 12 135mm



DTT28-8 disposable triangle tungsten electrode A x B = 28 x 8 135mm
RTT28-8 reusable triangle tungsten electrode A x B = 28 x 8 135mm

Cosmetic electrode

Cosmetic electrode Features:

1. Applicable to wide range of surgery operation, especially the minimal surgery with high precision requirement;
2. Various shapes of electrodes provide the best effect in cutting and haemostatic;
3. Minimize cell destruction. It gives good cosmetic result and shortens the operation time and healing period;
4. It provides wide range of functions including precutting, coagulating, haemostatic;
5. Diameter 2.35mm and 1.6mm available; normal and bendable type available; disposable and reusable for choice;
6. ODM, OEM and customized requirement are welcome;

Φ2.35mm



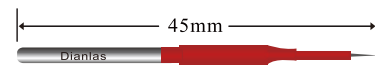
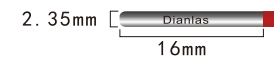
Φ1.6mm



Microdissecting needle

Advantages

1. Separate soft tissue, reduce trauma in the smallest tissue adherence
2. Low power consumption, reduce heat diffusion
3. Minimal tissue necrosis, promoting healing, Optimizing plaques mark
4. Precision cutting and miniature, minimize tissue adhesion
5. Reduce blood lose, keep wound clean, accelerate operation



DZ45 length 45mm, straight



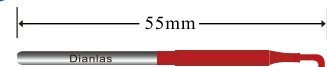
DZ65 length 65mm, straight



DZ55 length 55mm, straight



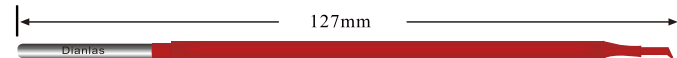
DZ76 length 76mm, straight, 10mm tip long



DW 55/3 Length 55mm, straight, 3mm needle tip, 90 degrees angle



DW 102/3 Length 102mm, straight, 3mm needle tip, 45 degrees angle



DW 127/3 Length 127mm, straight, 3mm needle tip, 45 degrees angle



DW 76/3 Length 76mm, straight, 3mm needle tip, 45 degrees angle



DW 152/3 Length 152mm, straight, 3mm needle tip, 45 degrees angle



DW 178/3 Length 178mm, straight, 3mm needle tip, 45 degrees angle



DW 178/10 Length 178mm, straight, 10mm needle tip, 45 degrees angle



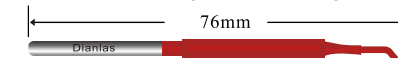
DW 152/10 Length 152mm, straight, 10mm needle tip, 45 degrees angle



DW 127/10 Length 127mm, straight, 10mm needle tip, 45 degrees angle



DW 106/10 Length 106mm, straight, 10mm needle tip, 45 degrees angle



DW 76/10 Length 76mm, straight, 10mm needle tip, 45 degrees angle



DH 178 Length 178mm, Curved, 10mm needle tip



DH 152 Length 152mm, Curved, 10mm needle tip



DH 127 Length 127mm, Curved, 10mm needle tip



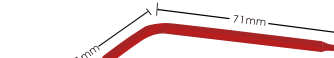
DH 102 Length 102mm, Curved, 10mm needle tip



DD51/127 Total length 178mm, 51mm 45degrees angle



DD51/101 Total length 152mm, 51mm 45 degrees angle



DD51/71 Total length 127mm, 51mm 45 degrees angle



DD51/51 Total length 102mm, 51mm 45 degrees angle

Microdissecting needle

Bipolar forceps

Features:

1. Apply to brain surgery, plastic surgery and other various surgeries;
2. Smooth surface, conductive and accurate coagulation reduce the generation of eschar;
3. High quality insulated layer more safety;
4. Reusable and disposable available; Euro connection and US connection 2 types; Normal and Teflon plated non-stick available;
5. Various forceps length, shape and tip size can be customized, ODM and OEM are welcome.



JMS1005A normal EURO, straight
JMS1005B normal US, straight



JMC1005A normal EURO, straight, curved
JMC1005B normal US, straight, curved



S1605A normal EURO, straight
S1605B non-stick US, straight



S1810A normal EURO, straight
S1810B non-stick US, straight



S2010A normal EURO, straight
S2010B non-stick US, straight



SC2010A normal EURO, straight, curved
SC2010B non-stick US, straight, curved

Bipolar forceps



BS1605A normal EURO, bayonet, straight
BS1605B non-stick US, bayonet, straight



BS1810A normal EURO, bayonet, straight
BS1810B non-stick US, bayonet, straight



BS2010A normal EURO, bayonet, straight
BS2010B normal US, bayonet, straight



BS2210A normal EURO, bayonet, straight
BS2210B normal US, bayonet, straight



BS2210A normal EURO, bayonet, straight, angled up
BS2210B normal US, bayonet, straight, angled up



BS2210A normal EURO, bayonet, straight, angled down
BS2210B normal US, bayonet, straight, angled down



BS2410 A normal EURO, bayonet, straight
BS2410 B normal US, bayonet, straight

Bipolar forceps



S1010A-SA both tip inner side plated with silver alloy, nonstick, EURO, bayonet
Other length can be customised



BS1605A-SA both tip inner side plated with silver alloy, nonstick, EURO, bayonet



BS1810A-SA both tip inner side plated with silver alloy, nonstick, EURO, bayonet



BS2010A-SA both tip inner side plated with silver alloy, nonstick, EURO, bayonet



BS2210A-SA both tip inner side plated with silver alloy, nonstick, EURO, bayonet



Disposable bipolar forceps with cable
BS2010A-D
20cm long forceps body, 1mm tip thick,
8mm tip length, 3m cable, sterilization packing,
1pc/pouch, Other size can be customised

Bipolar forceps

Bipolar forceps cable

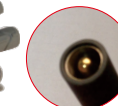


For Valleylab, Euro type RFC-1



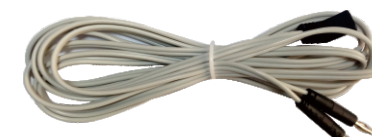
MARTIN end

For Martin, Euro type RFC-1



ERBE end

For Erbe, Euro type RFC-1



For Valleylab, US type RFC-2

Features:

1. Made of German imported silicon rubber, good elasticity and good insulation, high temperature and high pressure, repeated use;
 2. Strong copper core ensure good conductivity;
 3. Standard 3m long, other length can be customized;
 4. Euro and US type for choice
- RFC-1 3m long, Euro type
RFC-2 3m long, US type

Monopolar cable



RLC-1 Monopolar cable 4mm-4mm



RLC-2 Monopolar cable 4mm-8mm

Disposable irrigation bipolar forceps with cable



Grounding pad

Normal grounding pad features:

- 1.Match with electrosurgical generator, radio frequency generator and other high frequency equipment; Suitable for various kinds of surgery;
- 2.Foam backing materials make adherence more comfortable;
- 3.Special adhesive layer firm attachment, safe and comfortable;
- 4.Safely design conductive gel covering over the edge of metal foil make more safe;
- 5.Adult and pediatric, disposable and reusable for choice;
- 6.ODM,OEM and customized requirement are welcome;

Disposable adult(normal, 204mm×106mm)



DEAM100N monopolar grounding pad without cable, foam backing
DEAB200N bipolar grounding pad without cable, foam backing

Disposable child(normal, 148mm×90mm)



DEPM100N monopolar grounding pad without cable, foam backing
DEPB200N bipolar grounding pad without cable, foam backing

Grounding pad cable



HIFI plug



REM plug



NON-REM plug

Features:

- 1.Made of PVC material and copper core, repeated use;
- 2.Normal 3m long, other length can be made;
- 3.White and blue color for choice;
- 4.HIFI, REM and NON-REM for your choice;

- RPC-1 Reusable grounding pad 3mm cable, HIFI plug
RPC-2 Reusable grounding pad 3mm cable, REM plug
RPC-3 Reusable grounding pad 3mm cable, NON-REM plug

Grounding pad

Disposable adult with cable(normal, 204mm×106mm)



- DEAM110 monopolar grounding pad with 3mm cable,6.3mm HIFI Plug, foam backing
DEAB110 bipolar grounding pad with 3mm cable,6.3mm HIFI Plug, with foam backing
DEAM130 monopolar grounding pad with 3mm cable,NON-REM Plug, foam backing
DEAB130 bipolar grounding pad with 3mm cable,NON-REM Plug, foam backing
DEAM120 monopolar grounding pad with 3mm cable,REM Plug, foam backing
DEAB120 bipolar grounding pad with 3mm cable,REM Plug, foam backing

Disposable child(normal, 148mm×90mm)



- DEPM110 monopolar grounding pad with 3mm cable,6.3mm HIFI Plug, foam backing
DEPB110 bipolar grounding pad with 3mm cable,6.3mm HIFI Plug, with foam backing
DEPM130 monopolar grounding pad with 3mm cable,NON-REM Plug, with foam backing
DEPB130 bipolar grounding pad with 3mm cable,NON-REM Plug, with foam backing
DEPM120 monopolar grounding pad with 3mm cable,REM Plug, with foam backing
DEPB120 bipolar grounding pad with 3mm cable,REM Plug, with foam backing

Reusable adult(silicon)



Description:

- 1.made of good quality silicon rubber;
- 2.can be used for more than 100 times;
- 3.have REM, non-REM totally 3 kinds of connectors;

- REAM110 monopolar silicon grounding pad with 3mm cable, 6.3mm HIFI Plug
REAM130 monopolar silicon grounding pad with 3mm cable, NON-REM Plug
REAM120 monopolar silicon grounding pad with 3mm cable, REM Plug

Medical foot switch

Medical foot switch

Scope of application

JBW series foot switches, designed for controlling device in industrial equipment, medical appliances, entertainment facilities, communication field. It' s the assisted control device of equipments through micro switch to finish operation and stop of the equipments.

Composition of product

Component	Material	Performance
Footstep	Injected of 30% glass fiber PA6 enhanced material.	Fireproof and explosion proof
Micro switch	German waterproof micro switch.	Sensitive, quake-proof, waterproof, dustproof, mold-proof, explosion-proof, anti-freeze, high temperature resistant
Stuff material	Use epoxy potting syrups.	Insulation and alkali resistant.
Cable	Use Rvv4×0.5mm, Rvv2×0.5mm pure copper.	Better electric conductivity and aging-resistant.

Instruction of product

Items	Details
Appearance	Regular, flat, mellow without burr
Dimension	JBW-G100: 9.8cm×7.2cm×3.2cm JBW-G200: 9.8cm×19.8cm×3.2 cm Length of control cable: ≥3m
Technical specifications	Operating frequency: 60 ops/min Insulation resistance: >100MΩ@500VDC Electrical resistance: <25MΩ Rated working voltage/current: AC250V/10A Life: mechanically 10000000times. electrically 5500000times. Environment temperature: -30~80℃ (-22~176°F) Degree of protection: IP6K7

JBW-100



JBW-100 White three line single foot switch

JBW-200



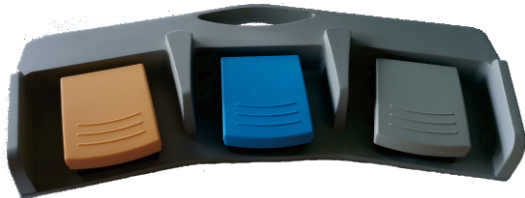
JBW-200 White three line double foot switch D1

JBW-200



JBW- 200 Yellow-blue multi line double foot switch D2

JBW-300



JBW-300 Yellow-blue-grey three pedal foot switch

Some connectors



Smoke evacuator

JBW-X200 feature:

- 1. Temperature control: protect the motor by control the temperature
- 2. Current sensing: smoke evacuator can start synchronously with the generator
- 3. Hepa filter material replacement remind: remind you replace the filter material timely
- 4. Hepa filter material non-installment remind: remind that you haven't installed the filter material
- 5. Mute setting: create comfortable and quiet environment
- 6. Time appointment
- 7. Multiple high efficiency particulate air filter
- 8. Release high concentration negative oxygen ions: create fresh air
- 9. Air volume through filter: 120L/min
- 10. Suction adjustment: 10%---100%
- 11. Startup mode: handswitch/footswitch/current-sense
- 12. Delay time: 0---60s
- 13. Power: 300W
- 14. Particle cleaning degree: 99.999%

JBW-X200



Digital smoke evacuator(Ultra quiet)

JBW-X200 configuration:

- 1. Metal outer host machine(with 2 built-in active carton filters);
- 2. Spare parts list is as following:
 - 1pc bacteria filter;
 - 1pc Hepa filter;
 - 1pc speculum(made of copper);
 - 1pc power cable.

It is better to replace the built-in active carton filters after using 90 hours, for external bacteria filter and Hepa filter, 30 hours.

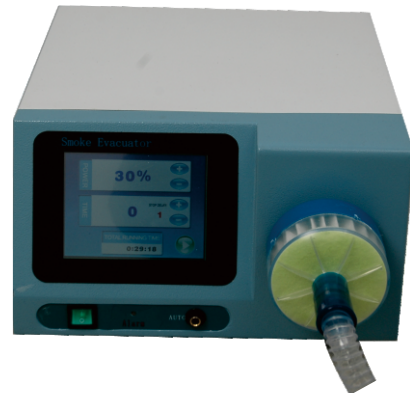
- 3. Carton dimension: 58cm*46cm*31cm; Weight: about 10kg.

Smoke evacuator

JBW-X300 feature and configuration:

- 1. Keep operation Guidance scheme word play, can be used as training.
- 2. Intelligent control, evacuates the smoke and purify the air more easily and convenient.
- 3. Wide touch screen, looks luxurious and elegant.
- 4. Other parameters same as JBW-X200.

JBW-X300



Touch screen smoke evacuator

vaginal speculum



Medium 85mmX32mm



Large 90mmX22mm

Instructions:

- 1.Sizes: Large, Medium (In compliance with international standard)
- 2. Material: Brass
- 3.Packing: Individual packing (1pcs/box)
- 4.Function: widely used for gynecologic examination and treatment
- 5.Sterilization: autoclavable

Filter



Hepa filter



active carbon filter



bacteria filter