

OPERATION THEATER

Autoclave

- Fully automatic, programmable, PLC controlled with 07" or more touch screen panel.
- Capacity: 06 STU or more
- Chamber, jacket and door made off AISI 316L stainless steel.
- Automatic pneumatic/ motorized vertical sliding door.
- Single Door unit.
- Chamber pressure monitoring.
- 2 stage Liquid ring vacuum pump.
- Media Monitoring for AIR and RO.
- Emergency switch is on the front of the system.
- All pipes and valves made off high quality stainless steel.
- Hot pipes should be thermally insulated.
- Self-diagnostic program.
- Built in printer.
- 4 basic standard cycles for items.
- 2 basic test cycles.
- RS-232 Connection port for network communication.
- PT-100 temperature sensor.
- Minimum 90 customized cycle that is according to the customer requirements.
- Built in energy saving system.
- Built in water saving system.
- Built in electrical steam generator.
- Built in air compressor
- Pressure gauges for chamber, jacket, and steam generator.
- Temperature and pressure sensor.
- Rectangular chamber.
- System should be complete with all accessories, Racks, Shelves, loading/unloading trolley.
- Reverse Osmosis system according to the capacity of the Unit .
- Loading and unloading trolley: 01
- Loading structure/ platform: 01
- Loading basket: 08

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ANESTHESIA MACHINE WITH VENTILATOR With ETco2

TECHNICAL SPECIFICATIONS.

- With built-in ETCo2 Monitor with complete Accessories.
- 3- Gases O2/N2O/AIR.
- The unit should be Hypoxic guard function, ensuring at least 25% oxygen in the oxygen/nitrous oxide mix
- The unit should have high standard built-in features to support patient safety
- Vertically integrated breathing system (IBS) with breathing bag holder.
- Non interchangeable pipeline inlets.
- Pin index cylinder yokes for Oxygen, Air and N2O.
- Two Lockable casters.
- Stainless steel/ fiber work surface
- Suction system.
- Patient pressure manometer in the front,
- 3 Power outlets in the back to connect auxiliary equipment's.
- CO2 absorber 800- 1200 gm.
- Central gas/Electronically driven.
- Auxiliary Gas outlet and O2 flush control.
- Three gas flow meters for precise control and monitoring of gasses.
- The unit should have Full test and Leak test in a test mode.

Technical Features:

- Anesthesia Ventilator with at least 8" TFT Screen or more. .
- The ventilator has a capability of ventilating adult and pediatric patients.

The ventilator should have following features.

- I:E ratio capacity
- Tidal volume 20 to 1500ml.
- Rate of frequency 4 to 60 bpm.
- Oxygen Sensor: Paramagnetic/ Galvanic.
- VCV (volume-controlled ventilation)
- PCV (pressure-controlled ventilation)
- SIMV (synchronized intermittent mandatory ventilation) PSV (pressure support ventilation)
- PRVT (Pressure-Regulated volume target)
- Manual, spontaneous

• PEEP 0-2 cm

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For
13/2
DR. AZMAT
Dr. Azmat Ali Shah
FCPS, DA, MD
Assistant Professor
Ayub Medical College A. Abad.

- Built in Oxygen Monitoring.
- Inspiratory pressure limit
- Low/High FIO2 Alarm.
- Main Failure Alarm
- High/Low pressure Alarm.
- The unit should have Vaporizer, Isoflurane and Sevoflurane.

Power Supply 220 VAC, 50 Hz Along with Power outlet to connect the auxiliary equipment's.
The ventilator shall be supplied with complete drive hose and power cable.

STANDARD ACCESSORIES:-

- Adult flow sensor, reusable (box of 1).
- Pediatric flow sensor, reusable (box of 1).
- Spirometry tube, 2m, (pack of 5 pcs).
- Reusable filters (pack of 40 pcs).
- O2 fuel cell sensor (1 pcs).
- Pin index key.
- Clamp with hook.
- Suction tubing set (1 set).
- Bacteria filter, disposable (Box of 50 pcs).
- Disposable breathing circuit.

The unit will be supplied with complete standard accessories.

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For
13/2
Dr. Azmat Afi Shah
FCPS, DA, MD
Assistant Professor
Ayub Medical College, Abbottabad.

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DR. R-MAT

Dr. Azmat Ali Shah
FCPS, DA, MD
Assistant Professor
Ayub Medical College A. Abad.

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Final

For
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DR. AZMAT
Dr. Azmat Afri Shah
FCPS, DA, MD
Assistant Professor
Ayub Medical College A. Abad.

DIATHERMY UNIT.

- Microprocessor Control Sinus Waveform.
- Digital Display of All Set Parameters
- 400KHZ or more Emitted Frequency and 20KHZ or more Modulation Frequency.
- 3 High Frequency outputs: 1 monopolar, 1 bipolar and 1 vessel sealing
- Microprocessor based solid state electrosurgical unit for normal and under water cutting.
- Permanent safe sealing of vessel on tissue bundle:
- RF power for monopolar cutting not below 300 watts.
- Monopolar coagulation 100 Watt or better.
- At least 3-4- blend/effect modes
- Bipolar coagulation
- Bipolar cutting
- Spray coagulation

Monopolar Cutting Power: -

AutoCut:	350W or more
PutCut:	350W or more
Blend 1:	350W or more
Blend 2:	350W or more
Endo Section:	350W or more
Forced Cut:	350W or more
Forced Pure Cut:	Forced Cut with Light Haemostatic Effect
Blend 1:	Forced Cut with Deep Haemostatic Effect
Blend:2	Forced Cut with Maximum Haemostatic Effect
Monopolar Cut under irrigation:	350W or more (Monopolar Forced Blend)

Monopolar Coagulation Power: -

Soft Coagulation:	150W or more
Desiccation	200
Fulguration/Spray:	100W or more

Bipolar Cut & Coagulation

PutCut:	200W or more
Blend 1:	200W or more
Blend 2:	200W or more
Endo Section:	200W or more
Bipolar Cut under Saline:	250W (Endo Section)

Bipolar Cut & Coagulation

Forced Coagulation:	100W or more
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Accessories

- 3 x Monopolar Foot Switch
- 1 x Bipolar Foot Switch
- 2 x Bipolar Forcep with Cable
- 5 x Monopolar Cables
- 8 x Different Cutting Electrodes
- 2 x Rubber Neutral Electrode with Cable

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**SPECIFICATIONS OF LED OT CEILING LIGHT DOUBLE DOME WITH
SAME DIMENSIONS**

Sr.No	Specifications	
1.	Color Rendering Index Ra	95 or better
2.	Red rendering index R9	95 or better
3.	Total irradiance at 160,000 lux	550 w/m2 or better
4.	Central IL luminance, electrically dimmable	20-100%
5.	Central IL luminance at a distance of 1 m	160,000 Lux
6.	Satellite combination at 1 meter	160,000 Lux
7.	Life of Light source	50,000 hours or better
8.	Color temperature	3800K/ 4300K /4800k or more
9.	Built in Battery Backup	Up to 4 hrs or more

Approved

Approved

MULTIPURPOSE HYDRAULIC OPERATION TABLE WITH INTEGRATED KIDNEY ELEVATOR

Technical Specifications

- Table Top (Radiolucent) with antistatic mattress 4 sections and equipped with Integrated X-ray cassette tunnel.
- Antistatic SAF pads, 60mm or more thick
- Side rail of stainless steel for attaching accessories 25 x 10 mm or more
- Mobile on castor 125mm or more
- Mobile base in shock resistant ABS/ sus 304, disinfectant-proof or better
- Minimum gap between padding to avoid crushing and sealed surface to clean it easily.
- Safe working load: 185 Kg or more
- Max. Static Load weight capacity: Up to 250kg or more

TABLE TOP IS ARRANGED AS:

- Head plate
- Back plate Servo –assisted adjustment
- Seat plate
- Two separate leg plates.
- Base of the table shock resistant ABS

MOVEMENT:

- Height Adjustment 700-1050mm or better
- Base (Length x Width) 1060mm x 500mm or better
- Overall length with head and leg section 2000mm or better
- Kidney /Body elevator
- Trendelenburg/Reverse Trendelenburg 30/30 Degree or better
- Lateral tilt +/- 20 Degree or better
- Back plate: 75/-50 or better
- Head rest 30/-45 degree or better
- Tilt of Head section pad 25 Degree or better
- Manual Leg plate movement : up 20/down 90 Degree or better
- Swiveling of leg plate: 55 degree or better

Accessories:

- Arm rest with clamp
- Anesthesia screen
- Large width body strap
- IV Pole
- Shoulder Support (pair)

Optional

- Accessories for General Orthopedic Surgeries
- Accessories for General Surgeries
- Accessories for Neuro
- Accessories for Urology
- Accessories for Thoracic Surgery.

Rate of each Accessory must be Quoted and its mandatory for every Vendor.

Final

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