



The **Zimmer ATS 4000** is a tourniquet system that is used to temporarily occlude blood flow in the patient's extremities during a surgical procedure. The ATS 4000 was designed to offer individual levels of pressure for each patient. Delivering a variety of pressures at specific times and for specific limbs. The Zimmer ATS 4000 offers a dual cuff that can prevent accidental cuff release with an automatic IVRA Cuff Lock - making sure deflating is intended on the second cuff. Zimmer offers lower tourniquet pressure to help minimize the risk of nerve-related injuries and less post-op pain.

Features

- Personalized Pressure™ Technology
- Touchscreen User Interface
- 8.4" Color Display
- Self-check Calibration: automatically checks the accuracy of the machine calibration each time the unit is powered on. This saves setup time.
- Cuff Alert: alerts user of cuff status when attempt is made to set the machine to stand-by.
- Cuff Lockout: feature prompts the user to confirm the deflation command during bilateral or IVRA procedures in order to reduce complications due to sudden cuff deflation.
- Six-hour Lithium Ion Battery Backup: maintains pressure if AC power is temporarily lost.
- Color-Coded Cuffs: from 8 inches to 42 inches accommodate virtually all patients and limbs.
- Carrying Handle: makes the system easy to transport, and includes pull-out hangers for storage of cuffs and hoses. The lightweight, portable unit can be mounted on an IV pole or placed on a table.
- Innovative Limb Occlusion Pressure (LOP) feature
- Uses ambient air
- Uses electronic and microprocessor regulated pressure
- Dual Port, Dual Cuff system: for simultaneous use of two dual port cuffs each with offering independent pressure and time regulation
- Facilitates dual port, dual bladder cuff usage for IVRA/Bier Block procedures
- Uses dedicated ports for supplying and measuring pressure which allows for fast and precise pressure regulations
- Visual and audible alarms activated when an unsafe condition is detected



Specifications

Dimensions

Height: 13.1 in (33.3 cm)
Width: 9.3 in (23.6 cm)
Depth: 10.5 in (26.7 cm)
weight: 13.2 lbs (6kg)

Timer

Time Alarm Set Range: 1 - 240 minute; 1 minute increments
Timer Accuracy: 0.25% of elapsed time

Power

Line Voltage Range: 100 - 240 VAC, 50/60 Hz, Auto Switching
Line Current: 1000 mA RMS @ 120 VAC
Input Power: 53 Watts Typical
Power Cord: Type SJT, AWG 16, 14 ft. (4.27 m)
Power Plug: Hospital grade, 3 prong straight blade, 15 Amp

Pressure

Cuff Pressure Range: 50 - 400 mmHg, 1 mmHg increments
Extended Cuff Pressure Range: 401 - 600 mmHg, 1 mmHg increments. A yellow tile will appear requesting confirmation to exceed 400 mmHg pressure
Pressure Accuracy: ± 3 mmHg (50 - 600 mmHg)
Pressure Regulation: ± 4 mmHg of set point (10 second average under non-transient conditions without external leaks)
Maximum Pressures: 400 mmHg per cuff | 600 mmHg per cuff in extended range

Battery

Battery Type: Rechargeable, 14.4 VDC, Li-Ion, 4.3 Amp hours
Battery Discharge Time: Unit will operate on battery power for 360 minutes minimum with fully charge batteries
Battery Recharge Time: 10 hours (Maximum). Unit should be plugged in 10 hours before initial use.