

Tourniquet

ZIMMER ATS 4000



ABOUT

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



FEATURES

Self-check Calibration: automatically verifies the machine's calibration each time the unit is powered on. This saves setup time.

Cuff Alert: alerts the user of cuff status when an attempt is made to set the machine to standby.

Cuff Lockout: a feature that prompts the user to confirm the deflation command during bilateral or IVRA procedures in order to reduce complications due to sudden cuff deflation.

Color-coded cuffs: available in sizes 8 inches to 42 inches, accommodate virtually all patients and limbs.

Innovative Limb Occlusion Pressure (LOP) feature

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)

DISPLAY

An 8.4" color touchscreen that increases visibility to read across operating rooms.

Other great features include a 6-hour lithium-ion battery and dual ports

SPECIFICATIONS



PRESSURES

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: The unit will operate on battery power for 360 minutes minimum with fully charged batteries

Battery Recharge Time: 10 hours (Maximum). The unit should be plugged in 10 hours before initial use.

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 prongs straight blade, 15 Amp

PRE-OP CUFF TEST

Technology that allows for bedside testing of the cuff pre-operatively to ensure proper function

AUTOMATIC IVRA CUFF LOCK OUT

Technology that is intended to prevent accidental dual cuff release. Without additional steps or notification, the machine will prompt users to confirm the intent to deflate a second cuff. Improper deflations have resulted in serious injuries and death.

ADVANCED LEAK DETECTION

Technology that monitors a cuff for minor variations intraoperatively with the intention of reporting potential cuff/hose leaks.