



The CA-MI ASKIR 230/12V BR Surgical Suction Unit (VM-SSASK230) is a triple-powered portable suction device operating on mains AC (100–240V/50–60Hz), internal 12V/4A rechargeable lead-acid battery (80-minute autonomy, 240-minute recharge), or 12V car adapter — approved for non-stop operation on mains. Delivers 16L/min maximum free air flow and adjustable vacuum up to -0.75 bar

(-75 kPa / -563 mmHg) via an oilless maintenance-free piston pump (ISO 10079-1 High Vacuum / Low Flow). Built-in vacuum meter (bar and kPa), vacuum regulator, and visual/acoustic low-battery alarm. 1,000ml autoclavable polycarbonate collection jar with overflow protection. Includes silicone tubing $\varnothing 6-10$ mm, conical connector $\varnothing 8/9/10$ mm, CH20 cannula, hydrophobic filter, and both AC and 12V adapters. CE, EN 60601-1-11. Weight: 3.50kg, 35×21×18cm. 2-year warranty. Available in South Africa from Vital Medical.

Triple Power Supply for Uninterrupted Suction Across Clinical, Transfer, and Field Settings

The CA-MI ASKIR 230/12V BR (VM-SSASK230) is an Italian-engineered portable surgical suction unit built around three independent power supply modes — mains AC via a universal 100–240V/50–60Hz adapter, a built-in 12V/4A rechargeable lead-acid battery delivering up to 80 minutes of cordless operation, and a 12V car adapter for use in ambulances and patient transport vehicles. This power versatility is a defining procurement consideration for units deployed across emergency departments, patient transfer, home care, frail care facilities, pre-hospital EMS, and ward use — where reliance on a single power source creates operational risk. The internal battery recharges fully in 240 minutes, and the unit is approved for non-stop operation when connected to mains power, eliminating duty cycle interruptions during prolonged procedures or resuscitation events. CE-marked and compliant with EN 60601-1-11 (the international standard for medical electrical equipment in home healthcare environments), the ASKIR 230/12V BR meets the regulatory requirements for both institutional and domiciliary clinical deployment.

Suction Performance, Vacuum Control, and Safety Alarms

The oilless, maintenance-free piston pump delivers a maximum free air flow rate of 16L/min and an adjustable maximum vacuum of -0.75 bar (-75 kPa / -563 mmHg), classified as High Vacuum / Low Flow to ISO 10079-1. The built-in vacuum meter, calibrated in both bar and kPa, and the integrated vacuum regulator enable the clinician to set precise suction pressure appropriate to the patient and procedure — from gentle nasal or oral aspiration in paediatric patients through to tracheal secretion management in adults. Visual and acoustic low-battery alarms alert the clinician before battery depletion during mobile or cordless use, preventing unplanned suction interruption in transfer or field scenarios. Operating noise is 63.0 dB(A).

Collection System, Accessories, and Optional Configuration

The standard 1,000ml collection jar is manufactured from autoclavable polycarbonate (Makrolon 2858) with an integrated overflow protection valve. A 2,000ml jar configuration is available for higher-volume applications, and Flovac disposable liners in APEC autoclavable material are available on request for single-use hygienic workflow protocols. Each unit is supplied with autoclavable silicone tubing (ø6–10mm), a conical connector (ø8/9/10mm), a single-patient antibacterial and hydrophobic filter, a CH20 suction cannula, the universal AC/DC adapter, and the 12V car adapter. An optional stand on castors (REF. 27730) and a dedicated carrying bag for the unit and consumables (REF. SP 0207) are available for mobile and EMS deployment. The unit weighs 3.50kg and measures 35×21×18cm, with a 2-year manufacturer warranty. Available in South Africa from Vital Medical, the ASKIR 230/12V BR is suited to emergency services, patient transport, home care nursing, frail care facilities, and any clinical setting requiring reliable portable suction with mains, battery, and vehicle power flexibility.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	CA-MI (Italy)
Model	NEW ASKIR 230/12V BR
SKU	VM-SSASK230
Type	Triple-powered portable surgical suction unit
Motor	Oilless maintenance-free piston pump
ISO 10079-1 Classification	High Vacuum / Low Flow
Max Free Air Flow Rate	16 L/min
Max Vacuum (adjustable)	-0.75 bar / -75 kPa / -563 mmHg
Duty Cycle	Non-stop (mains)
Power — Mains	AC/DC universal adapter, 100–240V / 50–60Hz
Power — Battery	12V / 4A rechargeable lead-acid, 80-min autonomy
Battery Recharge Time	240 minutes
Power — Vehicle	12V car adapter (included)
Low-Battery Alarm	Visual and acoustic
Noise Level	63.0 dB(A)

Specification	Detail
Vacuum Meter	Yes — bar and kPa
Vacuum Regulator	Yes
Collection Jar	1,000ml autoclavable polycarbonate (Makrolon 2858) + overflow valve
Optional Jar	2,000ml; Flovac disposable liners (APEC autoclavable)
Patient Tubing	Autoclavable silicone ø6-10mm
Connectors	Conical ø8/9/10mm
Filter	Antibacterial hydrophobic (single-patient, included)
Included Accessories	CH20 cannula, AC/DC adapter, 12V car adapter, silicone tubing, connector, filter
Optional Accessories	Stand on castors (REF. 27730), carrying bag (REF. SP 0207)
Weight	3.50 kg
Dimensions	35×21×18cm
Compliance	CE, EN 60601-1-11
Warranty	2 years

SKU: VM-SSASK230