



Unique worldwide!

ATMOS S 351 Natal
ATMOS C 451

Microprocessor-controlled special devices
and high-performance universal suction
devices for gynaecology and obstetrics

ATMOS S 351 Natal

The microprocessor-controlled special device for vacuum extraction and curettage



What is important in a natural vaginal childbirth?

In the last 35 years the number of Caesarean sections has increased while the vaginal childbirth method is steadily decreasing. However, there are still situations where a forceps or extraction cup delivery is necessary!

With the reduction of the frequency of this procedure the medical staffs' experience also declines. That is why an easy to use system becomes more and more important!

ATMOS meets the needs of the gynaecologist and obstetrician with greater process safety with an almost fully automatic vacuum extraction device. Different from the forceps delivery, where many steps and a lot of feeling and experience are required in order to avoid any trauma of mother and baby, the application of vacuum extraction is simple and quick.

Advantages of the vacuum extraction:

Delivery with an extraction cup takes approx. **6 minutes**; a forceps delivery takes approx. 15 to 20 minutes! The reason for the **faster delivery** is so the extraction cup can be applied when the baby is still **deep inside the birth canal**.

Compared with a caesarean section the extraction cup birth is more **time- and cost-saving** – less time in the OT, less time in clinic, **less wound treatment**. In conclusion the act of birth is more natural and the attachment between mother and child is much deeper than with a caesarean.

ATMOS S 351 Natal - Safety through Innovation



Increased safety due to pre-set vacuum parameters, pre-set time adjustment for vacuum build up and reduction as well as automatic functions.



Sensor monitored vacuum; hydrophobic bacteria filter with filter changing indicator and electronic fill level recognition ensure maximum safety with the simplest handling.



High resolution display with target / actual vacuum display as well as time progression for vacuum build-up and -reduction.

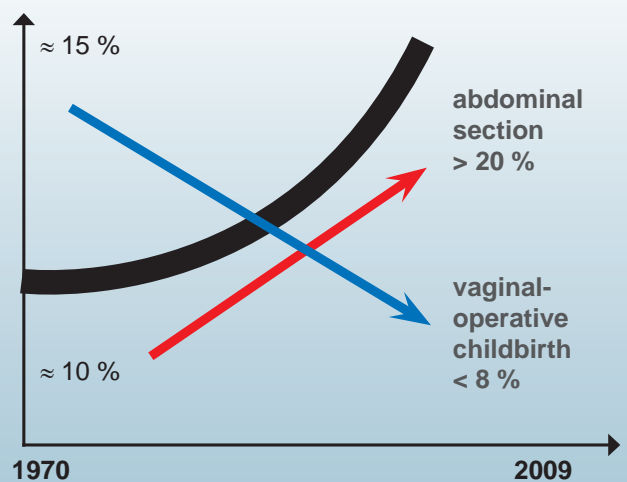


Optionally available electronic foot operated regulator for specific control of vacuum build-up and -reduction.



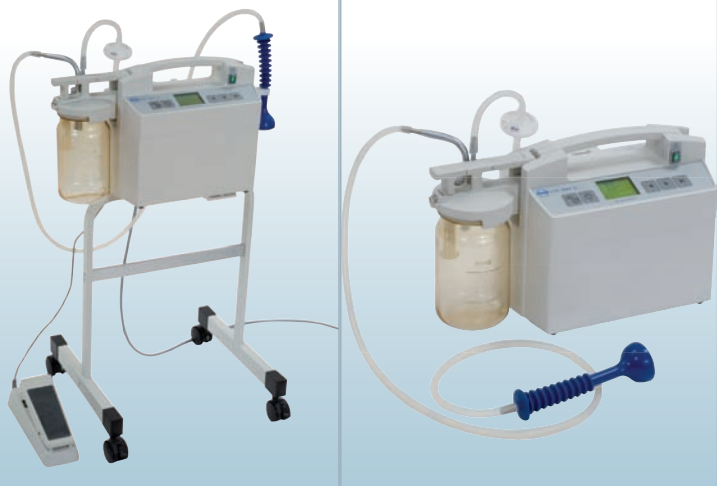
Microprocessor controlled aggregate ensures maximum performance with minimal noise production

Increase in the process safety by automation



ATMOS S 351 Natal

User packages



- Increased safety and reproducibility because of the vacuum automatic.
- Increased safety in the event of complications because of sensor-monitored vacuum
- Acoustic signal when target value is reached or when actual parameter deviates from target value.
- Maximum safety coupled with ease of handling
- Unique worldwide!

ATMOS S 351 Natal with trolley	REF	
<p>ATMOS S 351 Natal with trolley Microprocessor-controlled vacuum extractor, air-flow rate of pump 35 ± 2 l/min Suction unit with unique vacuum extraction mode, also suitable as suction unit for freeing the respiratory tract and for suction curettage, preset vacuum is built up and reduced automatically within the preselected period freely preselectable parameters, acoustic signal when target value is reached or when actual parameter deviates from target value, Precise adjustment even without foot or handheld controller, electronic filling level control with oversuction protection, high-resolving display with indication of desired / actual vacuum value and time progress, vacuum parameters adjustable in mbar/kPa/mmHg, vacuum adjustable in steps of 10 mbar / 10 mm Hg/ 1 kPa, suction aggregate readjusts vacuum only in case of deviation from the target vacuum and is therefore extremely silent.</p> <p><i>Scope of delivery:</i> bacterial filter, 2 connecting tubes, extraction tube, hose holder, secretion container 1.5 l, container lid, double socket nipple, trolley, operating manual</p>	444.0481.0	
<p>ATMOS S 351 Natal with trolley and foot regulator Microprocessor-controlled vacuum extractor, air-flow rate of pump 35 ± 2 l/min. Like above, but with foot regulator.</p> <p><i>Scope of delivery:</i> bacterial filter, 2 connecting tubes, extraction tube, hose holder, secretion container 1.5 l, container lid, double socket nipple, trolley, foot regulator, operating manual</p>	444.0482.0	
<p>ATMOS S 351 Natal (basic unit)</p>		
<p>ATMOS S 351 Natal with trolley and foot regulator Microprocessor-controlled vacuum extractor, air-flow rate of pump 35 ± 2 l/min. Like above, but without trolley and foot regulator.</p> <p><i>Scope of delivery:</i> bacterial filter, 2 connecting tubes, extraction tube, hose holder, secretion container 1.5 l, container lid, double socket nipple, operating manual</p>	444.0490.0	



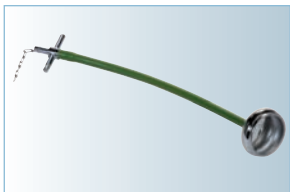
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We have been certified



Accessories for ATMOS S 351 Natal	REF	
① Trolley on 4 castors, dimesions: 580 x 425 x 400 mm (H x W x D)	444.0020.0	
② Foot controller, electronic, water-proof IPX 8, AP-protected	444.0452.0	
Secret jar for ATMOS S 351 secret jar 1.5 l, transparent, PSU	444.0036.0	
③ Secretion jar lid for secret jar incl. overflow electrode and splash protection for secret jar	444.0015.0	
Double socket nipple comprising double socket nipple and hose reducer	444.0012.0	
hose reducer for double socket nipple Ø 6 mm, autoclavable at 134° C	444.0013.1	
Accessories for vacuum extraction		
④ Extraction cup (Malmström) autoclavable at 134° C, Ø 40 mm, with cross handle and lock pin	404.0155.0	
Extraction cup (Malmström) autoclavable at 134° C, Ø 50 mm, with cross handle and lock pin	404.0156.0	
Extraction cup (Malmström) autoclavable at 134° C, Ø 60 mm, with cross handle and lock pin	404.0157.0	
⑤ ATMOS-Cup, extraction cup out of silicon autoclavable at 134° C, Ø 50 mm	404.0194.0	
⑥ ATMOS-Cup, extraction cup out of silicon autoclavable at 134° C, Ø 60 mm	404.0193.0	

Technical Data	ATMOS S 351 Natal
Air flow rate of pump:	36 ± 2 l/min
Max. vacuum at sea level:	-90 kPa (-900 mbar / -675 mmHg)
Power consumption::	max. 135 W
Voltage:	230 V~ /50 Hz; Optional: 115 V~ /50/60 Hz
Operating time::	continuous operation
Noise level:	43,9 dB (A) @ 1m (nach ISO 7779)
Dimensions (H x W x D):	300 x 330 x 200 mm, without container; 840 x 490 x 520 mm, without trolley
Weight:	10,2 kg, 10,2 kg, without container, without trolley
Klassifizierungen:	Schutzklasse: I; Schutzgrad: Typ B; Schutzart: IPX0; Klasse IIb (nach Anhang IX der Richtlinie 93/42/EWG)

The stated technical data are valid at the moment of printing, subject to technical alterations!

ATMOS C 451

User package



The new benchmark in

- Design and operability
- Secretion management
- Filter technology

ATMOS C 451 – with vacuum extraction package	REF
<p>Favourably priced alternative for vacuum extraction and suction curettage, infinitely variable vacuum adjustment and precise indication, triple oversuction protection by modern filter technology, DDS system for hose-free coupling of the pump to the DDS jar.</p> <p><i>Scope of delivery:</i> basic unit, secret jar 1 l, container lid, container handle, splash protection (silicone), hose adapter set, 10 bacterial filter, hose holder, hose set, trolley incl. standard rail, foot switch, mains cable, operating manual</p>	340.0355.0

Technical data	ATMOS C 451
Air flow rate of pump:	45 l/min +3/-5l/min
Max. vacuum at sea level:	-91kPa (-910 mbar or -682.5 mmHg)*@ sea level
Vacuum readout:	-1...0 bar ± 16 mbar (class 1.6), Ø 63 mm
Power consumption:	max. 138 W
Voltage:	230 V~ ± 10 % 50/60 Hz; versions: 100 V~ ± 10 %, 50/60 Hz; 115 V~ ± 10 %, 50/60 Hz; 127 V~ ± 10 %, 50/60 Hz
Operating time:	> 12 h continuous operation without interruption, within 24 h
Noise level:	< 48 dB (A) @ 1 m (acc. to ISO 7779) at max. vacuum
Dimensions (H x W x D):	330 x 240 x 360 mm (with secretion jar) 1010 x 360 x 440 mm (with trolley)
Weight:	approx. 6.3 kg (with secretion jar)
Ambient conditions: During operation	+5°C...+35°C; 20...80 % humidity, non-condensing; air pressure 700...1060 hPa
Classification:	protection category: IPX1; protection class (IEC 601): II; class: IIa (acc. to appendix IX, directive 93/42/EEC); degree of protection: type BF

The stated technical data are valid at the moment of printing, and are subject to technical changes!

ATMOS C 451 - The reasonably priced allrounder



Easily cleanable, modern design and high user friendliness with an especially large precision vacuum display.



High performance high-tech membrane aggregate for quick vacuum build-up and high suctioning performance.



Tubeless, especially simple connection of the container system to the base unit through the patented ATMOS DDS (Direct Docking System).



Optionally available VE package for vacuum extraction with foot operated regulator, tool cart and DDS container system.



Loss-free, continuous ball vacuum regulator and liquid protected under-foil main switch.

ATMOS C 361

Basic equipment



Secretion management -
simple, safe and high efficient!

ATMOS C 361 with practice package, portable, 1.5 l	REF	
<p>Powerful surgical suction unit, air-flow rate: 45 ± 3 l/min. Favourably priced alternative for vacuum extraction and suction curettage, infinitely variable vacuum adjustment and precise indication, triple oversuction protection by modern filter technology, DDS system for hose-free coupling of the pump to the DDS jar.</p> <p><i>Scope of delivery:</i> <i>mains cable, operating manual</i></p>	340.0351.0	
<p>Practice package ATMOS C 361 / C 451, portable, 3 l Equipment like above, but with 3 l container</p>	340.0350.0	



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Accessories for respiratory tract suction with ATMOS C 451	REF	
Vacuum-extraction set for ATMOS C 451 basic unit secret container 1.5 l, container lid, container handle, splash protection, 10 bacterial filter, hose holder, hose set, trolley with standard rail, foot regulator, mains cable, operating manual	340.0035.0	
Jar lid set for ATMOS C 451 Jar lid, jar handle, splash protection adapter, hose adapter Ø 6 mm, hose adapter Ø 10 mm, 10 bacterial filter, hose holder	340.0040.0	
Jar lid complete Jar lid, jar handle, splash protection adapter, hose adapter Ø 6 mm, hose adapter Ø 10 mm, 10 bacterial filter, hose holder	340.0050.0	
Suction hose, silicone, Ø 6 mm, L = 1.3 m, single packed, autoclavable at 134° C	000.0013.0	
Accessories for respiratory tract suction with ATMOS § 351 Natal and ATMOS C 451	REF	
Suction catheters Unomedical® size: CH 12 sterile, L = 50 cm, 100 pcs., Ø 4 mm, wight, straight, central opening, 2 small lateral openings, suction connection Ø 6 mm, not autoclavable, HM-Nr.: 01.99.01.0012, PZN: 4582789	000.0294.0	
Suction catheters Unomedical® size: CH 14 sterile, L = 50 cm, 100 pcs., Ø 4.7 mm, green, straight, central opening, 2 small lateral openings, suction connection Ø 6 mm, not autoclavable, HM-Nr.: 01.99.01.0012, PZN: 4582789	000.0295.0	
Suction catheters Unomedical® size: CH 16 sterile, L = 50 cm, 100 pcs., Ø 5.3 mm, green, straight, central opening, 2 small lateral openings, suction connection Ø 6 mm, not autoclavable, HM-Nr.: 01.99.01.0012, PZN: 4582789	000.0296.0	
Bacterial filter disposable, not autoclavable, Change: 1 x per patient	443.0738.0	
Extraction hose green, disposable, Ø 6 mm, price per meter	006.0010.0	
Extraction hose green, disposable, Ø 6 mm, L = 1,5 m	404.0146.0	
Finger tip disposable, sterile, not autoclavable, price per piece, (min. 10 pcs.)	000.0347.0	
Finger tip disposable, sterile, not autoclavable, price per 100 pcs.	000.0347.1	
① Tissue collector 300 ml, disposable, not autoclavable	340.0061.0	
② Collector sieve for tissue samples disposable, not autoclavable, 50 ml, Change: 1 x per patient	401.0555.0	



Curettage Instruments	REF
① Suction curette with auxiliary air vent, Ø 6 mm, autoclavable at 134° C	401.0529.0
Suction curette with auxiliary air vent, Ø 8 mm, autoclavable at 134° C	401.0530.0
Suction curette with auxiliary air vent, Ø 10 mm, autoclavable at 134° C	401.0531.0
Suction curette with auxiliary air vent, Ø 12 mm, autoclavable at 134° C	401.0532.0
Suction curette with auxiliary air vent, Ø 14 mm, autoclavable at 134° C	401.0533.0
② Suction curette with auxiliary air vent, for test taking, Ø 3 mm, autoclavable at 134° C	401.0554.0
③ Suction curette with auxiliary air vent, for test taking, Ø 4,5 mm, autoclavable at 134° C	401.0528.0
④ Connecting adapter for Curettes Ø 11 mm, autoclavable at 134° C	401.0553.0

ATMOS ... for a better life



Do you know ATMOS?

ATMOS develops and manufactures innovative medical technology in the business ranges ENT, Surgery, Care and Gynaecology. In the field of suction as well as in the ENT field we rank among the leading businesses worldwide.

Certainly you have already come into contact with an ATMOS product.

Some 100,000 ATMOS suction units and more than 10,000 ATMOS ENT workstations are in daily use in clinic and practice in more than 70 countries all over the world.

When may we welcome you as a customer?

Doctors and patients worldwide rely on ATMOS.

