

Powerful universal suction devices for gynaecology
and obstetrics

ATMOS S 351 Natal

ATMOS C 451



ATMOS

Innovative special
vacuum

suction devices for 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 for greater process safety with an almost fully automatic vacuum extraction device. Different to 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 quick delivery is because the extraction cup can be applied when the baby is still deep inside the birth canal.

Compared to 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 birth process is more natural and the bond between mother and child is more intimate 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.



High resolution display

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

Sensor-monitored vacuum

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

Microprocessor-controlled aggregate

ensures maximum performance with minimal noise production

Optionally available electronic foot control

regulator for specific control of vacuum build-up and -reduction.



ATMOS S 351 Natal

ATMOS S 351 Natal with trolley	REF
<p>1 ATMOS S 351 Natal with trolley Microprocessor-controlled vacuum extractor, capacity: 36 ± 2 l/min</p> <p>Characteristics: Suction unit with unique vacuum extraction mode, also suitable as suction unit for freeing the respiratory tract and for suction curettage, automatic vacuum generation and reduction with freely preselectable parameters, audible action signals when reaching / not reaching target parameters, unprecise regulation by foot switch not necessary, electronic filling level control with oversucking 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 kPa / 10 mmHg, suction aggregate controls only when difference to desired vacuum value, therefore particularly quiet.</p> <p>Technical Data: Suction capacity: 36 ± 2 l/min, vacuum: -90 kPa / -900 mbar / -675 mmHg, dimensions without trolley (H x W x D): 300 x 330 x 200 mm, dimensions with trolley (H x W x D): 870 x 450 x 420 mm, weight without trolley and canister: 10.2 kg, voltage: 230 V~, 50 / 60 Hz <i>Included in delivery:</i> <i>bacterial filter, 2 connection hoses, extraction hose, hose holder, collection canister 1.5 l including lid, double hose connector, trolley, operating instructions</i></p>	444.0481.0
<p>2 ATMOS S 351 Natal with trolley and foot control <i>Included in delivery:</i> <i>bacterial filter, 2 connection hoses, extraction hose, hose holder, collection canister 1.5 l including lid, double hose connector, trolley, foot control, operating instructions.</i></p>	444.0482.0
<p>3 ATMOS S 351 Natal (basic unit) Voltage: 230 V~, 50 / 60 Hz <i>Included in delivery:</i> <i>bacterial filter, 2 connection hoses, extraction hose, hose holder, collection canister 1.5 l including lid, double hose connector, operating instructions.</i></p>	444.0490.0
<p>ATMOS S 351 Natal (basic unit) Voltage: 110 V~/115V~, 50 / 60 Hz</p>	444.0490.2
<p>ATMOS S 351 Natal (basic unit) Voltage: 127 V~, 50 / 60 Hz</p>	444.0490.3



1 REF 444.0481.0



2 REF 444.0482.0



3 REF 444.0490.0

Accessories

Accessories	REF
1 Trolley with antistatic castors	444.0020.0
2 Foot control electronic, water-proof IPX 8, AP-protected	444.0452.0
3 Secretion canister lid incl. standard rail holder with overflow electrode and splash protection	444.0015.0
4 Double socket nipple consisting of double socket nipple and hose reduction	444.0012.0
5 Tube reducer for double hose connector Ø 6 mm	444.0013.1
6 Safety canister 250 ml (without hydrophobic DDS bacterial filter) overflow protection for ATMOS surgical suction can be used with hydrophobic DDS bacterial filter (REF 340.0054.0)	444.0646.0
7 Safety canister 250 ml (with hydrophobic DDS bacterial filter) overflow protection and overflow stop for ATMOS surgical suction 1 x hydrophobic DDS bacterial filter (REF 340.0054.0) is included	444.0646.1



1 REF 444.0020.0



2 REF 444.0452.0



3 444.0015.0



4 REF 444.0012.0



5 REF 444.0013.1



6 REF 444.0646.0



7 REF 444.0646.1

ATMOS C 451 - The reasonably priced allrounder

ATMOS DDS (Direct Docking System)

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



Loss-free, infinitely variable ball-shaped

vacuum regulator and liquid protected,
plastic covered main switch.

Easy to clean, modern design

and high user friendliness with an extra large
precision vacuum display.

Powerful high-tech membrane aggregate

for quick vacuum build-up and high suction performance.

Optionally available VE package

for vacuum extraction with foot controller, trolley and
DDS container system.

ATMOS C 451 User package

ATMOS C 451 – with vacuum extraction package	REF
<p>1 High-performance surgical suction unit, suction capacity: 45 ± 3 l/min Characteristics: Reasonably priced option for vacuum extraction and suction curettage, vacuum infinitely adjustable by precise display, triple oversuction stop by latest filter technology, hose free adaption of canister by integrated Direct Docking System (DDS), secretion canister 1.5 l. Technical Data: Suction capacity: 45 ± 3 l/min, vacuum: -91 kPa / -910mbar / 682 mmHg, dimensions including canister (H x W x D): 330 x 240 x 360 mm, dimensions with system trolley (H x W x D): 1010 x 360 x 440 mm, weight: 6.7 kg, voltage: 230 V~ / 127 V~ / 115 V~ / 110 V~, 50/60 Hz. <i>Included in delivery:</i> basic unit, collection canister 1.5 l including lid, carrying handle, splash-guard adapter, hose adapter set, holder, tube set, trolley incl. standard rail, foot control, power cord, operating instructions</p>	<p>340.0355.0</p>
ATMOS C 451	REF
<p>2 Powerful surgical suction unit for high requirements. Designed for continuous operation, silent running, quick-mount mechanism for connection to system trolley without the use of tools, two vacuum attachments, easy to clean surfaces with additional protection against the penetration of liquids, integrated extra-large precision-vacuum indication, loss-free, infinitely variable ball-shaped vacuum regulator. DDS system for hose-free coupling of the pump to the DDS canister. <i>Included in delivery:</i> basic unit, mains cable, operating instructions</p>	<p>340.0300.0</p>



1 REF 340.0355.0



2 REF 340.0300.0

Accessories

Accessories ATMOS C 451	REF
<p>1 Vacuum extraction set for ATMOS C 451 consisting of: Secretion canister 1.5 l, canister lid, canister handle, splash protection, 10 bacterial filter, hose holder, hose set, trolley with standard rail, foot control, mains cable, operating instructions</p>	340.0035.0
<p>2 DDS-canister lid, complete set consisting of: DDS canister lid, DDS canister handle, DDS splash protection, DDS hose adapter set (Ø 6 mm + Ø 10 mm), DDS bacterial filter oversuction stop, hose holder on DDS canister</p>	340.0045.0
<p>3 DDS-secretion canister, plastic, 1.5 l, autoclavable Height 146 mm, external Ø 166 mm</p>	340.0050.0
<p>4 Suction hose, silicone, Ø 6 mm, L = 1.30 m, 1 pc. single packed</p>	000.0013.0



1 REF 340.0035.0



2 REF 340.0045.0



3 REF 340.0050.0



4 REF 000.0013.0

General Accessories

General Accessories	REF
1 Extraction cup (Malmstroem), Ø = 40 mm, including star handle and locking pin	404.0155.0
2 Extraction cup (Malmstroem), Ø = 50 mm including star handle and locking pin	404.0156.0
3 Extraction cup (Malmstroem), Ø = 60 mm including star handle and locking pin	404.0157.0
4 ATMOS-Cup, extraction cup silicone, Ø 50 mm, blue	404.0194.0
5 ATMOS Cup, extraction cup silicone, Ø 60 mm, yellow	404.0193.0



1 REF 404.0155.0



2 REF 404.0156.0



3 REF 404.0157.0



4 REF 404.0194.0



5 REF 404.0193.0

General Accessories

General Accessories	REF
<p>1 Bacterial filter for ATMOS DDS secretion canister, 10 pcs. disposable, not autoclavable. For hygienic reasons a weekly exchange is recommended. In case of contamination or new patient the filter must immediately be replaced</p>	340.0054.0
<p>2 Suction catheter Unomedical®, size: CH 12, L = 53 cm, 100 pcs. Ø 4 mm, white, straight, central opening, 2 small lateral openings, suction connection Ø 6 mm, sterile, not autoclavable</p>	000.0294.0
<p>3 Suction catheter Unomedical®, size: CH 14, L = 53 cm, 100 pcs. Ø 4.7 mm, green, straight, central opening, 2 small lateral openings, suction connection Ø 6 mm, sterile, not autoclavable</p>	000.0295.0
<p>4 Suction catheter Unomedical®, size: CH 16, L = 53 cm, 100 pcs. Ø 5.3 mm, green, straight, central opening, 2 small lateral openings, suction connection Ø 6 mm, sterile, not autoclavable</p>	000.0296.0
<p>5 Suction hose, silicone, Ø 6 mm, L = 1.30 m, 1 pc. single packed, temperature-resistant up to 200 °C</p>	000.0013.0
<p>6 Fingertip, sterile, not autoclavable, minimum order quantity 10 pc.</p>	000.0347.0
<p>DDS adapter for tissue collector connects the ATMOS DDS canister to the tissue collector temperature-resistant up to 200 °C</p>	340.0062.0
<p>Receptal®-adapter for tissue collector</p>	444.0148.0
<p>7 Tissue collector 300 ml, disposable Ø 6 mm, change: 1 x per patient</p>	340.0061.0
<p>8 Tissue collector 50 ml, disposable Ø 6 mm, change: 1 x per patient</p>	401.0555.0
<p>9 Hydrophobic bacterial and viral filter Ø 8 mm, for use with suction hose Ø 6-8 mm 99.9999% bacterial and viral efficiency disposable, not autoclavable, change: 1 x per patient</p>	443.0738.0
<p>Extraction hose, green, silicone, Ø 6 mm, price per meter</p>	006.0010.0
<p>Extraction hose, green, silicone, Ø 6 mm, L = 1.5 m</p>	404.0146.0



1 REF 340.0054.0



2 REF 000.0294.0



3 REF 000.0295.0



4 REF 000.0296.0



5 REF 000.0013.0



6 REF 000.0347.0



7 REF 340.0061.0



8 REF 401.0555.0



9 REF 443.0738.0



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