

Universal aspirator MEDAP-BORA UP 2080

MEDAP 



**For the OR,
intensive care units
and special wards**



Powerful universal aspirators for most medical applications

Trendsetting medical technology: Convincingly practical, lightweight and flexible, both BORA UP 2080 and BORA UP 2080 OP are perfectly integrated into their respective working environment – in the OR as well as in the intensive care units or special wards.

With a high flow rate of 42 litres freeflow/minute and a high vacuum range of up to -90 kPa, they are suitable for most medical applications in the areas of surgical aspiration and septic fluid aspiration. Competence based on the responsibility for patient, physician and nursing staff.



More freeflow, more overflow protection, more **economic efficiency**

BORA UP 2080 and BORA UP 2080 OP

All-round talents for the hospital: Due to their high flexibility, BORA UP 2080 and BORA UP 2080 OP more than meet the most varied requirements in the OR and the ward. Thus, the two space-saving, easily portable universal aspirators quickly and reliably evacuate large quantities of blood and serous liquids – including the particles therein – from the wound area and from artificial body orifices.

Reduced acquisition and operating costs: For BORA UP 2080 and BORA UP 2080 OP, a flexible modular system has been developed that is highly application-oriented and at the same time superbly satisfies the demand for an optimised cost structure.



The flexible modular system provides freedom of choice: The BORA modular system consists of BORA UP 2080 or BORA UP 2080 OP, an overflow protection system of your choice, practice-oriented application sets with or without integrated trolley and an extensive range of accessories.

Powerful: BORA UP 2080 and BORA UP 2080 OP are distinguished by a multitude of powerful performance features in addition to their easy handling – thanks to the modern design – and outstanding hygiene comfort.

Ergonomic On/Off switch:

- Easy to operate
- Hygienic film key pads
- With LED display (BORA UP 2080 OP only)

Functional membrane valve (vacuum regulation):

- Precisely adjustable from 0 to -90 kPa
- Ideal for any application in the OR

Modular overflow protection system:

- Basic equipment without overflow protection for an optimised cost structure
- Optional single or double protection against oversuction (overflow protection universal / overflow protection surgical)
- Flexible deployment for any application in the OR and special ward

Large vacuum gauge:

- Easily read
- Optimal work height

BORA UP 2080 OP: As OR version BORA UP 2080 OP has a pneumatic foot switch and is thus optimally suited for use in surgical applications. The pneumatic foot switch ensures the energy-saving stand-by mode and provides a comfortable operation.

Safe bacterial filter:

- Located at the air outlet
- Protects the OR against contamination

Oilfree and maintenance-friendly drive unit:

- More power
- Suitable for quiet continuous operation
- Maintenance only required after 3,000 hours of operation

Two mechanical interfaces for equipment mount:

- Standardised in accordance with DIN EN ISO 19054
- Includes protective covers to prevent soiling
- Simple attachment of up to 2 x 1.0/1.75 litre disposable or reusable septic fluid jars and/or overflow protection universal or surgical

Two rail clamps at the back of the unit:

- Space-saving connection to pendant tableaux or equipment rails 25 x 10 mm (German standard)

Practical trolley – available as an accessory or as part of an application set:

- With two standardized equipment rails 25 x 10 mm (German standard)
- Ideal for bowls or additionally attached catheter holder or catheter tubular
- Four antistatic castors with two brakes
- Smooth running and 360-degree rotation
- Maximum transportation comfort
- Quick positioning
- Stability even with maximum fitting
- Room for variable mounting of 1.0/1.75/2.0/2.5/3.0/4.0/5.0 litre reusable or disposable septic fluid jars (see application sets)



Combination of **optimum** safety and **individual** requirements

New modular overflow protection system

Optional overflow protection: In order to satisfy the application-specific requirements in the hospital or day surgery in a perfect manner, both BORA UP 2080 and BORA UP 2080 OP have an innovative, modular overflow protection system. This means that the aspirator is always protected against oversuction, independent of the selected overflow protection alternative. In addition, it also supports a quick and simple filter replacement even during the OR operation.

Basic version without overflow protection device: In the basic version, neither BORA UP 2080 nor BORA UP 2080 OP have an overflow protection device. This option is always recommended when disposable septic fluid jars with integrated hydrophobic overflow protection are being used. Here, the tube silicone is directly connected to the tube nipple.

Overflow protection universal: The dual overflow protection with a novel overflow jar with integrated float and separate hydrophobic bacterial and viral filter (disposable) is the right choice for predominantly short-term applications without continuous operation.

Application set Overflow protection universal:

It consists of

- Hydrophobic bacterial and viral filter (disposable)
- Mechanical overflow protection device with equipment mount and bottle PSU
- Tube silicone 6 x 12 mm, length 1 meter



Overflow protection universal: Ideal for short-term applications without continuous operation



Overflow protection surgical: Ensures highest level of protection against oversuction – particularly during continuous operation.



Powerful bacterial filter: Prevents contamination of the OR.



BORA UP 2080 (basic equipment): With vacuum input adapter

Overflow protection surgical: This dual overflow protection device is equipped with a particularly powerful hydrophobic bacterial and viral filter in the lid of the overflow protection, providing virtually 100 per cent protection for BORA UP 2080 and BORA UP 2080 OP and thus ensuring the highest degree of protection against oversuction – especially during continuous operation. The hydrophobic bacterial and viral filter used here is autoclavable at 134° C several times – provided it is not heavily soiled by particles.

Hygienically safe: No contamination of the OR due to the powerful bacterial filter at the air outlet. Simple and quick disinfection of the smooth surface, all parts that coming into contact with body fluids (except hydrophobic bacterial and viral filter (disposable)) are autoclavable at 134° C – BORA UP 2080 and BORA UP 2080 OP meet all clinical hygiene requirements perfectly, thus simplifying the daily hospital routine.

Application set Overflow protection surgical:

It consists of

- Hydrophobic bacterial and viral filter for overflow protection
- Mechanical overflow protection device with chamber for hydrophobic filter and equipment mount
- Tube silicone 6 x 12 mm, length 1 meter



BORA UP 2080 OP: With disposable septic fluid jar with integrated hydrophobic filter – no further overflow protection necessary



BORA UP 2080 OP: With overflow protection universal and reusable septic fluid jar



BORA UP 2080 OP: With overflow protection surgical and reusable septic fluid jar

Application sets

Septic fluid aspiration

Universal aspirators for the daily hospital routine:

The variety of possible accessories and application sets shows that BORA UP 2080 and BORA UP 2080 OP are able to respond flexibly to the most diverse requirements. In this way, the two all-round talents can be universally deployed, as required, in the OR or in special wards and intensive care units.

AS Septic fluid aspiration / portable / 1,75 l / PSU (Art.-No. 5752 5666):

- Septic fluid jar 1.75 l PSU with equipment mount
- Septic fluid jar cap 1.75 / 4 l PSU with integrated mechanical overflow protection

Recommended accessories:

AS Overflow protection universal (Art.-No. 5752 4558)

Complete list of all available AS Septic fluid aspiration reusable / disposable

Reusable	Portable	On trolley
Septic fluid jar size	Art.-No.	Art.-No.
1 l	5752 3400	5752 5501
1,75 l	5752 5666	
3 l		5752 5498
5 l		5752 5497
Disposable	Serres on trolley	
Septic fluid jar size	Art.-No.	
2 l	5752 5503	



BORA UP 2080: Basic version with 1.75 l septic fluid jar



AS Septic fluid aspiration / portable / 1.75 l / PSU (Art.-No. 5752 5666)



AS Overflow protection universal: Mechanical overflow protection with integrated float and external hydrophobic bacterial and viral filter (disposable)

Application sets

Surgical aspiration

Variety in harmony: No two BORA assemblies are identical – in addition to the application sets surgical aspiration mentioned here, the extensive range of accessories offers the option of freely selectable combinations at any time.

AS Surgical aspiration / on trolley / 2 x 3 l / CF-proof (Art.-No. 5752 5505):

- Trolley for BORA UP 2080 OP
- 2 x septic fluid plastic jar 3 l PSU
- 2 x septic fluid jar cap (with integrated fixation for equipment rails 25 x 10 mm (German standard), without overflow protection)
- Cap plug surgical 9/12 (plastic)

Recommended accessories:

AS Overflow protection surgical (Art.-No. 5752 2546)

Complete list of all available AS Surgical aspiration on trolley / reusable

Reusable		
Septic fluid jar size	Material	Art.-No.
2 x 2,5 l	glass	5752 5506
2 x 3 l	PSU	5752 5505
2 x 4 l	PSU	5752 5667
2 x 4 l	PC	5752 5668
2 x 5 l	glass	5752 5504



BORA UP 2080: With AS Overflow protection surgical



AS Surgical aspiration / on trolley / 2 x 3 l / CF-proof (Art.-No. 5752 5505)



AS Overflow protection surgical: Mechanical overflow protection with integrated hydrophobic bacterial and viral filter

Flexible modular system for hospital and non-hospital areas

Technical specifications and accessories

Individual universal aspirator for OR and ward:

A key advantage of the BORA UP 2080 and the BORA UP 2080 OP is that both universal aspirators enable the user to employ the widest possible variety of accessories. The flexible modular system with its extensive range of accessories enables individual selection for optimum use in the OR and on the ward. In addition to the basic equipment, complete units are also available.

Technical specifications

	BORA UP 2080	BORA UP 2080 OP
Displacement	42 l/min	42 l/min
Vacuum	-90 kPa at sea level	-90 kPa at sea level
Voltage	230 V AC / 115 V AC	230 V AC / 115 V AC
Frequency	50 – 60 Hz / 60 Hz	50 – 60 Hz / 60 Hz
Input current	0.4 A / 0.7 A	0.4 A / 0.7 A
Power consumption	100 VA	100 VA
Mode of operation	continuous operation	continuous operation
Fuses	T 1.6 A H / T 3.15 A H	T 1.6 A H / T 3.15 A H
Dimensions L x W x H in mm	360 x 310 x 310	500 x 520 x 1160 (including trolley)
Weight	11 kg	24 kg (including trolley)
Sound pressure level	50.5 dB (A)	50.5 dB (A)



BORA UP 2080 basic equipment: The basic equipment includes a vacuum gauge, vacuum regulator, bacterial filter, two inserts to cover the mechanical interface and a carrying handle, complete with two rail clamps for attachment to equipment rails 25 x 10 mm (German standard).



BORA UP 2080 OP basic equipment: As version BORA UP 2080, but with additional pneumatic foot switch for energy-saving stand-by mode

Product versions	Art.-No.
BORA UP 2080 basic equipment 230 V / 50 – 60 Hz	5752 2296
BORA UP 2080 basic equipment 115 V / 60 Hz	5752 2302
BORA UP 2080 OP basic equipment 230 V / 50 – 60 Hz	5752 2301
BORA UP 2080 OP basic equipment 115 V / 60 Hz	5752 2303
BORA UP 2080 complete unit / septic fluid aspiration / portable / 1 x 1 l	5752 4856
BORA UP 2080 complete unit / septic fluid aspiration / on trolley / 1 x 3 l	5752 5511
BORA UP 2080 OP complete unit / surgical aspiration / on trolley / 2 x 3 l	5752 5512
BORA UP 2080 OP complete unit / surgical aspiration / on trolley / 2 x 4 l / PSU	5752 5673
BORA UP 2080 OP complete unit / surgical aspiration / on trolley / 2 x 4 l / PC	5752 5674

Recommended accessories	Art.-No.
AS Overflow protection universal	5752 4558
AS Overflow protection surgical	5752 2546

Further accessories	Art.-No.
Trolley for BORA UP 2080	5752 5313
Catheter holder for trolley	5750 8002
Catheter tubular	5752 5150
Cover for catheter tubular	5752 5151
Bowl for trolley, round	5752 4538
Septic fluid glass jar 5 l	5750 5228
Septic fluid plastic jar 3 l PSU	5750 5297
Septic fluid glass jar 2.5 l	5750 5227
Septic fluid jar 4 l PSU with equipment mount	5752 5656
Septic fluid jar 4 l PC with equipment mount	5752 5658
Sept fluid jar 1.75 l PSU with equipment mount	5752 5659
Septic fluid jar 1 l PSU with equipment mount	5752 5431
Septic fluid plastic jar 1 l PSU	5750 5296
Septic fluid jar cap 1.75 / 4 l PSU (with integrated mechanical overflow protection)	5752 5655

Septic fluid jar cap 1.75 / 4 l PC (with integrated mechanical overflow protection)	5752 5657
Septic fluid jar cap (with integrated mechanical overflow protection)	5750 5362
Septic fluid jar cap (with integrated fixation for equipment rails 25 x 10 mm (German standard), w/o overflow protection)	5750 0390
Septic fluid jar cap silicone with integrated mechanical overflow protection	5752 5432
Cap plug surgical 9/12 (chrome plated)	5750 0396
Cap plug surgical 9/12 (plastic)	5752 0184
Mechanical overflow protection device with equipment mount and bottle PSU	5752 2391
Mechanical overflow protection device with chamber for hydrophobic filter and equipment mount	5752 2392
Hydrophobic bacterial and viral filter (disposable)	5752 4514
Hydrophobic bacterial and viral filter for overflow protection device	5752 1783
Smoke evacuation filter	5752 4928
Bacterial filter paper (100 pieces)	5750 5045
Serres outer container 3 l	5752 2045
Serres outer container 2 l	5752 2044
Serres outer container 1 l	5752 2537
Serres disposable suction liner 3 l (24 pieces)	5752 4935
Serres disposable suction liner 2 l (24 pieces)	5752 4936
Serres disposable suction liner 1 l (36 pieces)	5752 4937
Rail clamp for equipment mount, metal	5752 2048
Rail clamp for equipment mount, plastic	5752 2540
Vacuum serial tube silicone, 175 mm with T-connector, autoclavable	5752 2084
Serial tube 287 mm with angle blue	5752 2085
Vacuum shift	5752 2049
Adapter for connection of vacuum connection tubes, d=6-8 mm with pump exit BORA	5752 2295



■Manufacturer:

ATMOS
MedizinTechnik GmbH & Co. KG
Ludwig-Kegel-Str. 16
79853 Lenzkirch
GERMANY
Phone: +49 7653 689-0
www.atmosmed.com
www.atmos-medap.com
