

TAPPING UNITS FOR COMPRESSED AIR  
MEDAP S AIR





# EXCELLENT COMBINATION OF BEST QUALITY AND ECONOMY

## S AIR B 800

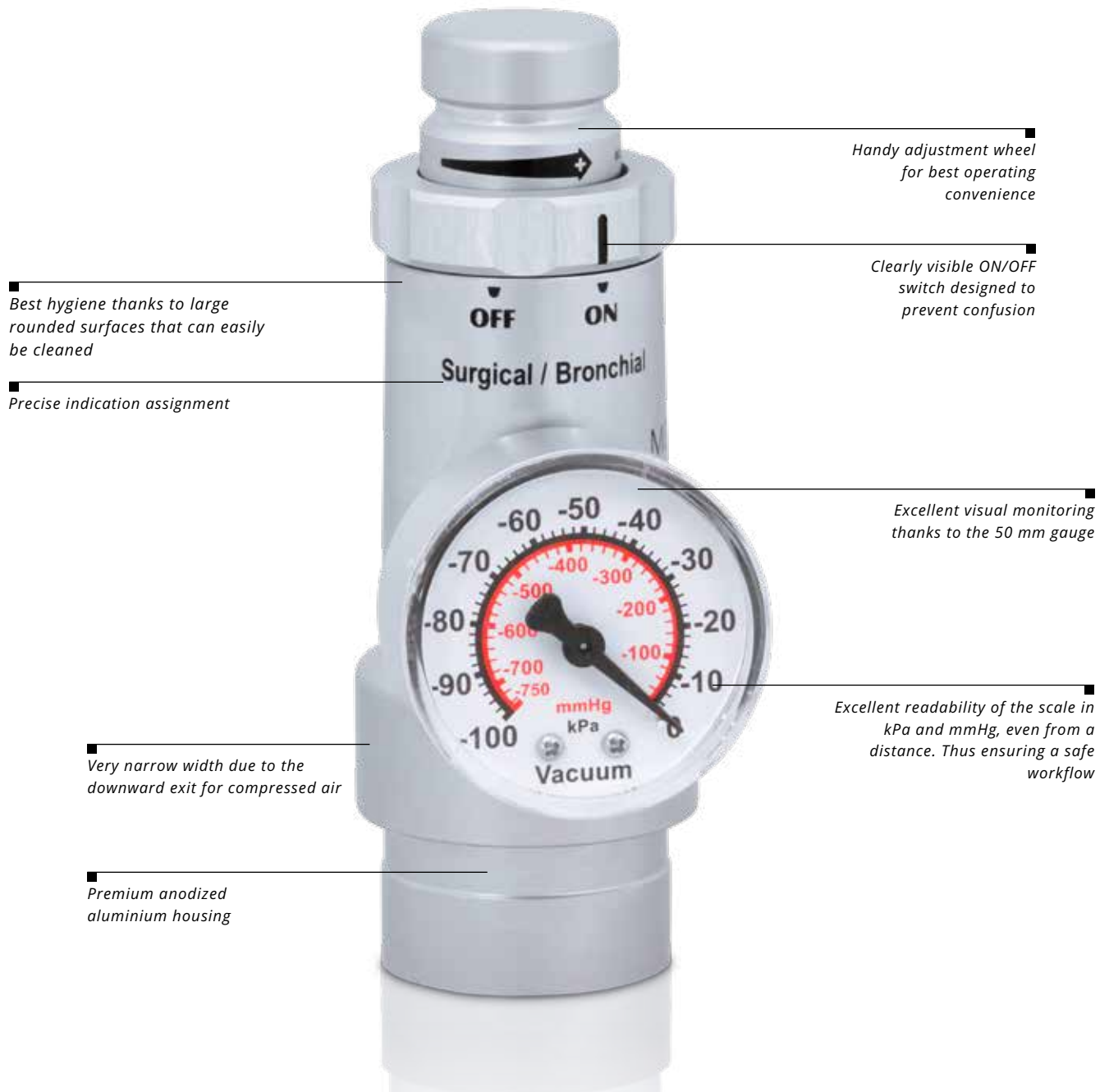


**From the users point of view:** a successful combination of sturdy material, high-quality workmanship, powerful suction performance and MR suitability, the S AIR B 800 for bronchial- and surgical aspiration with compressed air

meets state-of-the-art requirements. Thanks to a variety of connection forms the S AIR B 800 is a particularly flexible solution for international use in clinics and specialist practices.

## MODERN SPECIALIST FOR CONTINUOUS USE S AIR B 800

**Hand-held quality:** ATMOS only settles for premium anodized aluminum, therefore over the years quality is maintained and even during intensive use it remains smooth-running and free of leaks and at the same time has a limited weight.



Handy adjustment wheel for best operating convenience

Clearly visible ON/OFF switch designed to prevent confusion

Best hygiene thanks to large rounded surfaces that can easily be cleaned

Precise indication assignment

Excellent visual monitoring thanks to the 50 mm gauge

Excellent readability of the scale in kPa and mmHg, even from a distance. Thus ensuring a safe workflow

Very narrow width due to the downward exit for compressed air

Premium anodized aluminium housing

**MR conditional:** thanks to the particular technology the modern S AIR B 800 controllers meet the requirements for application in MR- environments. S AIR controllers are MR conditional up to 4.7 Tesla.

**Particularly economical:** S AIR controllers must only be serviced every five years.



## TAPPING UNIT FOR BRONCHIAL AND SURGICAL ASPIRATION

### S AIR B 800



S AIR B 800

**High flow rate:** whenever large quantities of secretions, blood and any other liquids are to be removed in continuous operation, the new S AIR B 800 is the ideal partner for bronchial and surgical aspiration. Thanks to the high flow rate of 36 l/min, the stress on the patient is reduced considerably, in the OR, in intensive care and in special practices.

**Power-independent aspiration:** as a power-independent alternative for OR and intensive care, the new S AIR B 800 is also available as an S AIR mobile aspiration unit and portable aspiration unit (see pages 8-9 of this brochure).

#### TECHNICAL SPECIFICATIONS

	S AIR B 800	Version / Terminal unit	S AIR B 800 Art.-No.
Flow rate at 500 kPa	max. 36 l/min	Wall connection for DIN	5752 5686
Vacuum regulation range at 500 kPa	0 to -78 kPa 0 to -780 mbar 0 to 585 mmHg	Wall connection for MEDAP	5752 5687
Nominal pressure of gas supply	250 to 600 kPa 2,5 to 6 bar	Wall connection for AGA (SS 87 524 30) Sweden	5752 5690
MR-conditional	up to 4,7 Tesla	Wall connection for BOC (BS 5682) Great Britain	5752 5688
Dimensions (mm)	140 x 52 x 120-155	Wall connection for Air Liquide (NF S 90-116) France	5752 5689
Weight	600 to 720 g	Equipment rail	5752 5691
Classification as per Appendix IX of the 93/42/EEC directive	class IIa	Screw connection	5752 5692

## FOR FLEXIBLE MOUNTING S AIR CONNECTION FORMS

**International use:** with a wide range of different connection forms, the S AIR B 800 is ideally suited for flexible installation in clinics and specialist practices.

### S AIR tapping unit - wall:

- Direct extraction from the terminal unit of the central gas supply system (CSS)
- According to versions: MEDAP, DIN, BOC, ALI, AGA

### S AIR tapping unit - equipment rail:

- Ideal for mounting to equipment rails 25-35 x 10 mm in accordance with DIN EN 19054

### S AIR tapping unit - screw connection:

- Specially designed for mounting to surgical trolleys and carrier frames



Wall connection for DIN



Wall connection for MEDAP



Wall connection for AGA (SS 87 524 30)  
Sweden



Wall connection for BOC (BS 5682)  
Great Britain



Wall connection for Air Liquide  
(NF S 90-116) France



Equipment rail 25-35 x 10 mm with  
NIST connection



Screw connection for mounting to surgical  
trolleys and carrier frames

## POWER-INDEPENDENT ASPIRATION FOR OR S AIR MOBILE ASPIRATION UNIT

**Surgical trolley:** the sturdy, smooth-running trolley is made of stainless steel. It has two equipment rails 25 x 10 mm and smooth-running antistatic castors (two of them are lockable in position).

**S AIR mobile aspiration unit basic equipment:** the S AIR mobile aspiration unit is available as a basic unit or complete unit. The basic unit can be configured individually from several application sets and a connection tube for compressed air. The complete units can be used immediately as a surgical aspirator.

### **S AIR mobile aspiration unit basic equipment (Art.-No. 5752 5695) – Scope of delivery:**

- S AIR B 800 tapping unit for screw connection
- Mechanical overflow protection
- Surgical trolley

### **S AIR mobile aspiration unit complete unit 2 x 3 l (Art.-No. 5752 5696) – Scope of delivery**

- S AIR mobile aspiration unit basic equipment
- Connection tube with gas probe and NIST screw connector / compressed air / DIN / 3 m / ISO colour coding
- Application set surgical aspiration 2 x 3 l

### **S AIR mobile aspiration unit complete unit 2 x 4 l PSU (Art.-No. 5752 5697) – Scope of delivery**

- S AIR mobile aspiration unit basic equipment
- Connection tube with gas probe and NIST screw connector / compressed air / DIN / 3 m / ISO colour coding
- Application set surgical aspiration 2 x 4 l PSU

### **S AIR mobile aspiration unit complete unit 2 x 4 l PC (Art.-No. 5752 5698) – Scope of delivery**

- S AIR mobile aspiration unit basic equipment
- Connection tube with gas probe and NIST screw connector / compressed air / DIN / 3 m / ISO colour coding
- Application set surgical aspiration 2 x 4 l PC

*S AIR: Fahrbare Saugeinheit*





## POWER-INDEPENDENT ASPIRATION FOR INTENSIVE CARE

### S AIR PORTABLE ASPIRATION UNIT

**Aspiration set frame solo:** the carrier frame is particularly light and sturdy thanks to the use of aluminum.

**S AIR portable aspiration unit:** thanks to the combination of the aspiration set carrier frame solo with the S AIR B 800 tapping unit for screw connection, a practical light portable aspiration unit for the mains-independent application on the intensive care ward is available. The basic unit can be configured individually using several application sets and a connection tube for compressed air. The complete units can be used immediately as portable aspiration units.

**S AIR portable aspiration unit complete unit (Art.-No. 5752 5693) – Scope of delivery**

- S AIR B 800 tapping unit for screw connection
- Mechanical overflow protection
- Aspiration set frame solo

**S AIR portable aspiration unit complete unit 2 x 1 l (Art.-No. 5752 5694) – Scope of delivery**

- S AIR mobile aspiration unit basic equipment
- Connection tube with gas probe and NIST screw connector / compressed air / DIN / 1,5 m / ISO colour coding
- Application set septic fluid aspiration 2 x 1 l



## SAFETY IS TOP PRIORITY

### MODERN OVERFLOW PROTECTION OF CHOICE

**Effective protection from oversuction:** as in the past, the ingress of contaminated fluid is one of the most frequent causes of defects to a tapping unit, particularly as this can often easily lead to a cost-intensive contamination of the vacuum pipeline system of a clinic or specialist practice. In order to prevent this, the new S AIR tapping units can be operated with a suitable overflow protection device thanks to a special mechanism. The user can choose between

- a mechanical overflow protection with additional particle filter or
- a particularly high-performance hydrophobic bacterial and viral filter.

Both overflow protection systems can be fitted with vacuum connection tube with internal diameters of 6 mm and 8 mm.

**Mechanical overflow protection:** to ensure effective protection from oversuction, the mechanical overflow protection has a special particle filter in addition to the float. Another advantage is the great distance between the inlet and outlet of the overflow protection which prevent ingress of fluid into the tapping unit. For safe mounting, the mechanical overflow protection is attached directly to the S AIR tapping unit with the help of a bayonet coupling.

**Hydrophobic bacterial and viral filter:** it also offers the greatest of safety in the event of foam formation. In this way, the hydrophobic bacterial and viral filter protects the tapping unit and the central compressed air system of a clinic or special practice in a particularly reliable way. The hydrophobic bacterial and viral filter is attached to the S AIR tapping unit with a stable, precisely fitting adapter with bayonet coupling.



*Mechanical overflow protection with special particle filter*



*Hydrophobic bacterial and viral filter*

## KNOWING WHAT IS NEEDED S AIR ACCESSORIES

**Strong on details:** with suitable and carefully selected accessories ATMOS supports the application-tailored use of the new S AIR tapping unit for compressed air in clinics and specialist practices. For suitable connection tubes for compressed air with NIST connection and all current tapping connectors, see the brochure "Connection tubes and gas probes".



*Mechanical overflow protection*



*Particle filter for mechanical overflow protection*



*Adapter for hydrophobic bacterial and viral filter*

Recommended accessories	Art.-No.
Mechanical overflow protection (overflow container with float cap)	5752 5632
Adapter for hydrophobic bacterial and viral filter	5752 5634
Hydrophobic bacterial and viral filter (disposable)	5752 5635
Consumption material	Art.-No.
Particle filter (specially for mechanical overflow protection 57525632) (100 pieces)	5752 5633
Vacuum connection tube 6 x 12 mm, length 1 metre	5750 5467
Vacuum connection tube 8 x 14 mm, length 1 metre	5750 5483
Fingertip, sterile, not autoclavable, minimum purchase 10 pieces	000 0347 0



*Hydrophobic bacterial and viral filter*



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