MEDAP

ATMOS MedizinTechnik

Powerful and reliable!

ATMOS Suction with Central Gas Supply Systems (CGS)

ATMOS Suction with CGS

Suction valves for gas supply systems (CGS) are available for vacuum and compressed air as well as in a wide range of variants for surgical suction procedures, bronchial suction and drainage. Their high flow rate with precise regulation makes these durable valves the perfect choice for continuous operation in clinics and specialist practices.

It is particularly important to ensure that the CGS is protected against oversuction and contamination. On top of this, suction valves for compressed air need to provide both effective noise absorption and high flow rates.

Suction valves are suitable for a variety of applications:

- OT
- Intensive care unit
- In-patient ward
- Paediatric ward
- Neonatology ward
- Outpatient surgery centre

Indication-specific variants

- Strong vacuum with high flow rate for surgical suction and bronchial suction for adults
- Gentle vacuum for drainage suction

Reliable protection against oversuction and contamination

- Hydrophobic bacterial and viral filter for 100% oversuction protection
- Modular overflow protection system
- Large, rounded surfaces for optimum hygiene

Powerful and durable

- Very high flow rate
- Made using top-quality materials

MEDAP S VAC

S VAC tapping valves enable silent suction at extremely high flow rates via the vacuum tapping port on the central gas supply system. These modern tapping valves are extremely lightweight thanks to their impact-resistant ABS plastic housing, and are also characterised by their large, rounded surfaces, which offer optimum hygienic conditions. A large, user-friendly dial makes it easy to set the vacuum to the precise level required. The visible On/Off switch on the side makes it easy to see when the valve is in operation. The S VAC is CF-compatible and MR-conditional up to 4.7 Tesla.

Extremely high flow rates of up to 100 l/min

63 mm gauge with easy-to-read scale

Large indication label for clear classification of indications

Powerful

The S VAC B 900 has a high flow rate of 100 l/min – sufficient to handle operations that produce even the highest volumes of fluids.

Excellent legibility for visual checks

The scale is marked in kPa and mmHg and is easy to read even at a distance, thus ensuring a safe and reliable workflow.

Indication label

Large, colour indication label makes it easy to classify indications clearly – especially when using multiple tapping units at the same time.

MEDAP S VAC INT

Intermittent suction has become increasingly important in recent years. For subglottic suction in particular, intermittent suction offers a number of benefits when compared to conventional, continuous suction. The S VAC INT is ATMOS' first intermittent suction valve. It can generate a maximum vacuum of –26 kPa. The suction valve can be operated either continuously at a high flow rate of 60 l/min, or intermittently at a flow rate of 9 l/min. Its suction to non-suction ratio is approx. 15:10 seconds.

Simple and intuitive operation

Continuous and intermittent suction

Specially designed for subglottic suction

Easy operation

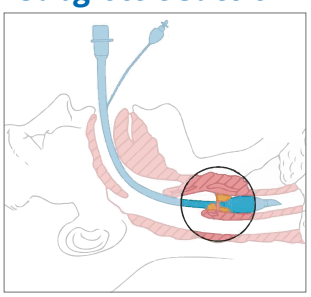
The large dial makes it easy to set the vacuum to the precise level required.

Suitable for universal use

Three-way INT-CONT-OFF switch – universal use for both standard drainage and intermittent use.

Subglottic suction

The subglottic suction is gentle on the tissue for the patient's benefit, and also lightens the workload of the care staff.



MEDAP FINA VAC

FINA VAC tapping valves enable silent suction at high flow rates via the vacuum tapping port on the central gas supply system. The FINA VAC is manufactured to the highest quality – a fact reflected in the 10-year guarantee ATMOS provides on the technical functionality of the brass housing. A very wide range of FINA VAC products are available, with special versions for surgical suction, bronchial suction for adults and children, and drainage and thoracic drainage suction.

Unmistakable gauge with 360° rotation

Large dial for precise adjustment

On/Off switch for B 800 and P 350 series

Flexibility

360° rotation – gauge can be read from any position on the patient's side.

Easy operation

The large dial makes it easy to set the vacuum to the precise level required.

Convenient controls

The bronchial versions, B 800 and P 350, come with an On/Off switch for easier operation.

MEDAP S AIR

S AIR tapping valves enable suction at high flow rates via the compressed air tapping port on the central gas supply system. These modern tapping valves are characterised by their high-quality, anodised aluminium construction for a long service life combined with a lightweight design, and provide optimum hygienic conditions thanks to their large, rounded surfaces. A user-friendly dial makes it easy to set the vacuum to the precise level required. The visible On/Off switch makes it easy to see when the valve is in operation.

High flow rates for a compressed-air valve

Compact size

MR-conditional up to 4.7 Tesla

High flow rate

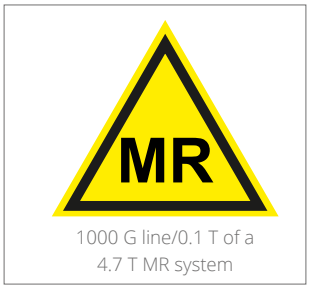
High flow rate of 36 l/min noticeably reduces the strain on the patient – in the operating theatre, the intensive care unit and specialist practices.

Versatile

Only 52 mm wide thanks to the direct compressed air outlet positioned at bottom – can find a space in every operating theatre and intensive care unit.

MR-compatible

Thanks to their special, modern technology, S AIR B 800 tapping valves fulfil the requirements for use in MR environments. All S AIR tapping valves are MR-conditional up to 4.7 Tesla.



1000 G line/0.1 T of a 4.7 T MR system

MEDAP FINA AIR

FINA AIR tapping valves enable suction at high flow rates via the compressed air tapping port on the central gas supply system. The FINA AIR is manufactured to the highest quality – a fact reflected in the 10-year guarantee ATMOS provides on the technical functionality of the brass housing. A very wide range of FINA AIR products are available, with special versions for surgical suction, bronchial suction for adults and children, and drainage and thoracic drainage suction.

Extremely quiet thanks to specially designed sound absorption

High flow rate of at least 30 l/min

Unmistakable gauge with 360° rotation

Very quiet

Thanks to their specially developed sound absorption system, which significantly reduces their noise level, the compressed-air valves are considered extremely quiet.

High flow rate

In spite of its special sound absorption system, the FINA AIR still boasts a high flow rate of 30 l/min.

Flexibility

360° rotation – gauge can be read from any position on the patient's side.

Mobile and compact sucti

The S VAC, S AIR, FINA VAC and FINA AIR suction valves can easily be screwed onto a special trolley. This combination of an intensive care trolley with a suction valve is the perfect mobile surgical aspirator for independently powered use in clinics and specialist practices with connections to the central gas supply system.

The practical combination of a carrier frame with a septic fluid jar, a rinsing fluid jar and a suction valve is perfect for use in the intensive care unit. Together with the different application sets for septic fluid suction, the compact suction unit can be used as a powerful bronchial suction system with precise regulation.

Each of the suction valves is connected to the vacuum or compressed-air tapping port directly using a connection tube.

on units

Sturdy trolley with four sets of twin castors, two of which are lockable

Carrier frame with height-adjustable holders for two septic fluid jars

Special suction valves for easy mounting

Mobile suction unit

Stainless steel trolley with suction valve mounting slot, with four sets of 75 mm twin castors – two of which are lockable – and two tube holders.

Compact suction unit

The carrier frame can be placed on an equipment rail. The holes on the mounting bar provide the perfect mounting system for a variety of septic and rinsing fluid jars.

Specific suction valves

Special versions of the suction valves can be mounted on trolleys and carrier frames with no problem using two screws.

Overview

	S VAC B 900	S VAC D 200	S VAC INT	FINA VAC B 800	FINA VAC P 350
Flow rate	100 l/min	90 l/min	60 l/min (cont.) 9 l/min (int.)	min. 50 l/min	18 +/- 2 l/min
Vacuum regulation range	0 to -100 kPa	0 to -20 kPa	0 to -26 kPa	0 to -80 kPa	0 to -35 kPa
Gas supply nominal pressure	-100 to -60 kPa -1 to -0.6 bar				
Compressed air consumption	–	–	–	–	–
MR-conditional	Up to 4.7 Tesla		–	–	–
Dimensions (H x W x D)	165 x 80 x 125–165 mm	165 x 80 x 125–165 mm	170 x 114 x 177 mm	170 x 72 x 165 mm	170 x 72 x 165 mm
Weight	360–510 g	410–560 g	784 g	1,100 g	1,100 g
Operating mode	Continuous		Intermittent	Continuous	
Suction : Non-suction ratio	–		Approx. 15:10 s	–	
REF					
Wall DIN (DIN 13260)	5752 5619	5752 5626	5752 5730	5752 3722	5752 3731
Wall MEDAP	5752 5620	5752 5627	–	5752 3721	–
Wall BOC (BS 5682), United Kingdom	5752 5621	5752 5628	5752 5731	–	–
Wall Air Liquide (NF S 90-116), France	5752 5622	5752 5629	–	–	–
Wall AGA (SS 87 524 30), Sweden	5752 5623	5752 5630	–	–	–
Rail	5752 5624	5752 5631	5752 5732	5752 3723	5752 3732
Rail with top-view monitor	–	–	–	5752 3725	–
Screw fitting	5752 5625	5752 5636	–	–	–
Screw fitting with top-view vacuum gauge	–	–	–	5752 4866	–
Accessories/consumption material					
Mechanical overflow protection	5752 5632	5752 5632	5752 5632	5752 1699	5752 1699
Particulate filter for mech. overflow protection	5752 5633	5752 5633	5752 5633	–	–
Adapter for hydr. bacterial and viral filter	5752 5634	5752 5634	5752 5634	–	–
Hydrophobic bacterial and viral filter	5752 5635	5752 5635	5752 5635	5750 0630	5750 0630
Bacterial filter paper	–	–	–	–	–
Areas of application					
Operations/surgery	✓	×	×	✓	×
Intensive care unit	✓	×	✓	✓	✓
In-patient ward	✓	✓	×	✓	✓
Paediatric ward	○	✓	×	○	✓
Neonatology ward	×	✓	×	×	○
Elderly/nursing home	○	○	×	○	×
Outpatient surgery centre	✓	×	×	✓	×
MR applications	✓	✓	×	×	×
Indication					
Surgical suction	✓	×	×	✓	×
Liposuction	✓	×	×	✓	×
Midwifery	✓	×	×	✓	×
Gastroenterology	✓	×	×	✓	×
Endoscopy	✓	×	×	✓	×
Bronchial/tracheal suction – adults	✓	×	×	✓	×
Bronchial/tracheal suction – paediatric	○	✓	✓	○	✓
Bronchial/tracheal suction – neonatology	×	○	✓	×	○
Wound drainage	×	✓	✓	×	○
Thoracic drainage	○*	✓*	×	○*	○**
Subglottic suction	×	×	✓	×	×
	* When using a disposable multi-chamber system with built-in vacuum regulation				** F

FINA VAC D 150	FINA VAC T 50	S AIR B 800	FINA AIR B 800	FINA AIR P 350	FINA AIR D 150	FINA AIR T 50
min. 13.5 l/min	16 +/- 4 l/min	max. 36 l/min	min. 30 l/min	min. 14 l/min	min. 8 l/min	min. 15 l/min
0 to -13 kPa	0 to -5 kPa	0 to -78 kPa	0 to -80 kPa	0 to -35 kPa	0 to -13 kPa	0 to -5 kPa
		250 to 600 kPa 2.5 to 6 bar	500 kPa +/– 10 % 5 bar +/– 10 %			
–	–	63 l/min at 500 kPa	Approx. 50 l/min at 500 kPa		Approx. 14 l/min at 500 kPa	Approx. 4 l/min at 500 kPa
–	–	Up to 4.7 Tesla	–	–	–	–
170 x 72 x 141 mm	170 x 72 x 141 mm	140 x 52 x 120–155 mm	189 x 89 x 163 mm	189 x 89 x 163 mm	189 x 89 x 139 mm	189 x 89 x 139 mm
1,100 g	1,100 g	580–720 g	1,130 g	1,130 g	1,130 g	1,200 g
5752 3739	5752 3747	5752 5686	5752 4953	5752 4962	5752 4965	5752 4967
–	–	5752 5687	5752 4952	5752 4961	–	5752 4968
–	–	5752 5688	–	–	–	–
–	–	5752 5689	–	–	–	–
–	–	5752 5690	–	–	–	–
5752 3740	5752 3748	5752 5691	5752 4957	5752 4963	5752 4966	5752 4969
–	–	–	5752 4959	–	–	–
–	–	–	–	–	–	–
–	–	5752 5692	5752 4960	–	–	–
5752 1699	5752 1699	5752 5632	5752 1699	5752 1699	5752 1699	5752 1699
–	–	5752 5633	–	–	–	–
–	–	5752 5634	–	–	–	–
5750 0630	5750 0630	5752 5635	5750 0630	5750 0630	5750 0630	5750 0630
–	–	–	5750 5045	5750 5045	5750 5045	5750 5045
×	×	✓	✓	×	×	×
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	○	○	○	✓	✓	○
✓	✓	×	×	○	✓	✓
○	×	○	○	×	○	×
×	×	✓	✓	×	×	×
×	×	✓	×	×	×	×
×	×	✓	✓	×	×	×
×	×	✓	✓	×	×	×
×	×	✓	✓	×	×	×
×	×	✓	✓	×	×	×
×	×	✓	✓	×	×	×
×	×	✓	✓	×	×	×
×	×	○	○	✓	×	×
✓	✓	×	×	○	✓	✓
✓	×	×	×	○	✓	×
○**	✓**	○*	○*	○**	○**	✓**
×	×	×	×	×	×	×

Please observe the required flow rate and, where necessary, the required vacuum when using a disposable multi-chamber system with built-in vacuum regulation

✓ = Specially suited ○ = Possible × = Not suitable

Vacuum Extraction

Surgical Suction

Wound Drainage

ATMOS

Cardiothoracic Drainage

Oxygen Supply

Bronchial Suction

Smoke Evacuation

product range

Mobile Oxygen Supply

Suction with CGS

For more information about the entire product range "ATMOS Medical Suction Systems" visit:

www.atmos-medap.com

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