

MEDAP 


MedizinTechnik

Optimum oxygen supply for your patients!

ATMOS Oxygen Supply



ATMOS Oxygen Supply

When it comes to supplying patients with oxygen, exact administration is key. With their precise flow rates of up to 15 l/min, ATMOS flowmeters help to make treatment extremely efficient in the fields of inhalation, insufflation and aerosol therapy. Special versions for paediatric and neonatology applications guarantee the necessary precision even when using minute volumes. The flowmeters are the perfect solution to ensure that the patients in your hospital or specialist practice get the optimum oxygen supply for their needs.

ATMOS flowmeters are suitable for a variety of applications:

- Operating theatre/anaesthetics
- Intensive care unit
- In-patient ward
- Respiratory care unit
- Transport within medical facilities
- Outpatient surgery centre



Precise adjustment

- Large control dial setting range for the FINA FLOW and S FLOW pipe flowmeters
- 13 settings for the LS FLOW click-stop flowmeters

Easy to read

- Highly transparent flowmeter cover hoses combined with large, easily legible markings
- High-visibility digits on the click-stop flowmeter display

A supply to suit every patient's needs

- Even the standard version of the LS FLOW with 0–15 l/min comes with four settings up to 1 l/min
- Special paediatric and neonatology versions for precise dosing of even minute quantities



MEDAP LS FLOW

Click-stop flowmeters are extremely compact and robust, and operate irrespective of their position. The LS FLOW click-stop flowmeters are made of anodized aluminium for an incredibly lightweight design. 13 setting levels allow for maximum customisation, while flow rates of 0-15 l/min, 0-5 l/min and 0-1 l/min make them suitable for aerosol therapy for adults, children and newborns.



13 setting levels

Large product range

Suitable for MR use

Individual flow settings

The flowmeters can be set with extreme precision by simply turning the locking screw – no subsequent checks required. 13 setting levels to suit individual needs.



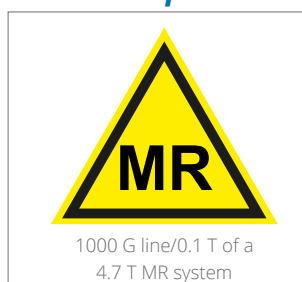
Wide range of variants

For adults, children and newborns: flow rates of 0–15 l/min, 0–5 l/min and 0–1 l/min, oxygen and compressed air, single or twin – whatever best suits your needs.



MR-compatible

Thanks to their special, modern technology, S FLOW flowmeters fulfil the requirements for use in MR environments. All LS FLOW flowmeters are MR-conditional up to 4.7 Tesla.



LS FLOW 

S FLOW 

FINA FLOW 

Accessories 

Overview 

MEDAP S FLOW

S FLOW flowmeters are pressure-compensated and made of high-gloss, chrome-plated brass to give them an extremely lightweight design. They have a very large setting range, and are easy to read even from far away. Thanks to their special, modern technology, they also fulfil the requirements for use in MR environments. They are MR-conditional up to 4.7 Tesla. For an extremely safe and reliable workflow.



Extremely easy-to-read scale markings

Also suitable for use in MR applications

Lightweight

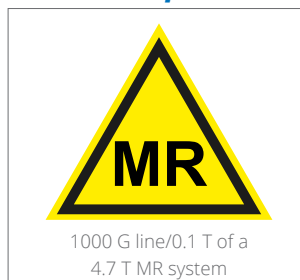
Thanks to the white interior of the pipe, the scale markings are very easy to read even from far away, thus helping to keep everything safe and running smoothly.

Easy to read



Thanks to their special, modern technology, S FLOW flowmeters fulfil the requirements for use in MR environments. All S FLOW flowmeters are MR-conditional up to 4.7 Tesla.

MR-compatible



Despite their chrome-plated brass housing, S FLOW flowmeters are extremely lightweight. They can be put to use flexibly at all times.

Extremely lightweight



LS FLOW



S FLOW



FINA FLOW



Accessories



Overview



MEDAP FINA FLOW

FINA FLOW pipe flowmeters impress customers with their high-quality craftsmanship and 10-year guarantee on the technical functionality of their brass housing. FINA FLOW units meet all the latest standard expectations in the fields of inhalation, insufflation and aerosol therapy. The twin flowmeter design makes them efficient and compact – one terminal unit can supply two patients at the same time.



Precise control dial adjustment

Flow limiter for effective oxygen use

Can be operated with one hand

Large control dial for precision dosing during inhalation and insufflation.

Flow adjustment



Maximum flow rate limited to 20 l/min.

Safe therapy



Very easy to mount on and remove from the equipment rail.

Easy to operate



LS FLOW



S FLOW



FINA FLOW



Accessories



Overview



Accessories for flowmeters

All MEDAP flowmeters come with a UNF 9/16" outlet to allow direct connection of disposable sterile water systems. A flow selector with a second flowmeter outlet is available as an accessory. ATMOS also offers a reusable bubble humidifier and hose adapter made of metal or plastic for use with the flowmeters.



Flow selector for a second outlet

Bubble humidifier for 60% relative humidity

Metal or plastic hose adapters

Simply turn the selector to choose a flow outlet without interrupting the oxygen flow, using either the humidifier or a separate outlet for connecting a respiratory mask or nebuliser.

Flow selector



The reusable bubble humidifier works like a carbonator, maintaining the physiological humidity in the breathing area.

Bubble humidifier



The metal and plastic hose adapters are graduated for hoses with an inside diameter of 4, 6 or 8 mm.

Hose adapter



LS FLOW



S FLOW



FINA FLOW



Accessories



Overview



Overview

	LS FLOW O 15	LS FLOW O 15 P5	LS FLOW O 05	LS FLOW O 01	LS DFLOW O 15	LS DFLOW O 15 P5	LS FLOW A 15	LS FLOW A 15 P5	
Measuring range	0 to 15 l/min		0 to 5 l/min	0 to 1 l/min	0 to 15 l/min				
Adjustable flow rates	0; 0.2; 0.5; 0.7; 1; 1.5; 2; 3; 4; 5; 7; 10; 12; 15 l/min		0; 0.1; 0.2; 0.3; 0.4; 0.6; 0.8; 1; 1.5; 2; 2.5; 3; 4; 5 l/min	0; 0.1; 0.15; 0.2; 0.25; 0.3; 0.35; 0.4; 0.5; 0.6; 0.7; 0.8; 0.9; 1 l/min	0; 0.2; 0.5; 0.7; 1; 1.5; 2; 3; 4; 5; 7; 10; 12; 15 l/min				
Accuracy	+/- 10% or +/- 0.05 l/min, whichever is higher								
Flow limitation	15 +/- 1.5 l/min	15 +/- 1.5 l/min	5 +/- 0.5 l/min	1 +/- 0.1 l/min	15 +/- 1.5 l/min				
Gas type	Oxygen						Compressed air		
Gas supply nominal pressure	300 to 550 kPa 3 to 5.5 bar	500 kPa 5 bar	300 to 550 kPa 3 to 5.5 bar			500 kPa 5 bar	300 to 550 kPa 3 to 5.5 bar	500 kPa 5 bar	
Connection thread	UNF 9/16"								
MR-conditional	Up to 4.7 Tesla								
Dimensions (H x W x D)	65–100 x 35–40 x 95–120 mm	56–100 x 35–40 x 95–120 mm	65–100 x 35–40 x 95–120 mm	65–100 x 35–40 x 95–120 mm	65–100 x 125 x 100– 140 mm	56 x 125 x 140 mm	65–100 x 35–40 x 95–120 mm	56 x 35 x 95 mm	
Weight	180 to 320 g	166 to 306 g	180 to 320 g	180 to 320 g	540 to 690 g	512 g	180 to 320 g	166 g	
Article number									
Wall DIN (DIN 13260)	5752 4916	5752 5705	5752 5304	5752 5306	5752 4919	5752 5702	5752 5235	5752 5703	
Wall MEDAP	5752 4917	–	–	–	5752 5706	–	5752 5450	–	
Wall BOC (BS 5682), United Kingdom	5752 4921	–	–	–	–	–	–	–	
Wall Air Liquide (NF S 90-116), France	5752 5161	–	–	–	–	–	–	–	
Wall AGA (SS 87 524 30), Sweden	5752 5162	–	–	–	5752 5183	–	5752 5240	–	
Rail	5752 5301	5752 5704	5752 5305	5752 5307	5752 5302	–	5752 5303	–	
Screw fitting	5752 5708	–	–	–	–	–	5752 5709	–	
Area of use									
Operating theatre/ anaesthetics	✓	✓	✗	✗	✗	✗	✗	✗	
Intensive care unit	✓	✓	✗	✗	✗	✗	✓	✓	
In-patient ward	✓	✓	✗	✗	✓	✓	✓	✓	
Paediatric ward	✓	✓	✓	○	✓	✓	✓	✓	
Neonatology ward	✗	✗	○	✓	✗	✗	✗	✗	
Accident and Emergency	✓	✓	✗	✗	✗	✗	✓	✓	
Outpatient surgery centre	✓	✓	✗	✗	✗	✗	✗	✗	
Indication									
Inhalation/insufflation with oxygen	✓	✓	✓	✓	✓	✓	✗	✗	
Compressed air supply	✗	✗	✗	✗	✗	✗	✓	✓	
Administration of aerosol-based medication	○	○	✗	✗	○	○	✓	✓	

LS DFLOW A 15		S FLOW O 15	S FLOW O 15	S DFLOW O 15	S FLOW A 15	S FLOW A 15	S DFLOW A 15	FINA FLOW O 15	FINA DFLOW O 15	FINA FLOW A 15
		Infinitely adjustable								
		+/- 10%						+/- 10% over 5 l/min flow rate display +/- 0.5 l/min up to 5 l/min flow rate display		
		-	-	-	-	-	-	20 +/- 5 l/min		
		Oxygen			Compressed air			Oxygen	Compressed air	
300 to 550 kPa 3 to 5.5 bar		500 kPa 5 bar	450 kPa 4.5 bar	500 kPa 5 bar		450 kPa 4.5 bar	500 kPa 5 bar	500 kPa +/- 10% 5 bar +/- 10%		
	65-100 x 125 x 100- 140 mm	150-170 x 25-40 x 125-130 mm	150 x 25 x 105 mm	150 x 145 x 130 mm	150-170 x 25-40 x 125-130 mm	150 x 25 x 105 mm	150 x 145 x 130 mm	170 x 50 x 140 mm	170 x 165 x 120 mm	170 x 50 x 140 mm
	540 to 690 g	230 to 360 g	230 g	580 to 730 g	230 to 360 g	230 g	580 g	750 to 950 g	1600 to 1700 g	750 to 950 g
	5752 5607	5752 4906	-	5752 4910	5752 4912	-	5752 5750	5752 3681	5752 3689	5752 3697
	-	5752 4907	-	5752 5532	5752 5269	-	-	5752 3680	5752 3688	5752 3696
	-	-	5752 4913	-	-	5752 5579	-	-	-	-
	-	-	5752 4914	-	-	-	-	-	-	-
	-	-	5752 4915	-	-	-	-	-	-	-
	5752 5608	5752 5298		5752 5299	5752 5300	-	-	5752 3682	5752 3690	5752 3698
	-	-	-	-	-	-	-	-	-	-
	x	✓	✓	x	x	x	x	✓	x	x
	✓	✓	✓	x	✓	✓	✓	✓	x	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	○	○	x	○	○	○	○	x	○
	x	x	x	x	x	x	x	x	x	x
	✓	✓	✓	x	✓	✓	✓	✓	x	✓
	x	✓	✓	x	x	x	x	✓	x	x
	x	✓	✓	✓	x	x	x	✓	✓	x
	✓	x	x	x	✓	✓	✓	x	x	✓
	✓	○	○	○	✓	✓	✓	○	○	✓

✓ = Specially suited ○ = possible x = 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 on
the entire "ATMOS Medical
Suction Systems" product
range, visit:***

www.atmos-medap.com



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