MEDAP

ATMOS
MedizinTechnik

Independent from terminal units!

ATMOS Mobile Oxygen Supply

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If oxygen is required on a ward where there is no gas terminal unit available or if a patient must be continuously ventilated during intrahospital transport, then gas is supplied via gas cylinders. The pressure regulators used must have a high nominal flow rate and high pressure stability by decreasing gas cylinder pressure.

Independent from terminal units

- Oxygen supply for patients even on wards without gas terminal units
- Ensuring ventilation of patients during intrahospital transport

Pressure regulators with click-stop flowmeter

- Can be used in any position, even horizontally on a patient´s bed
- No risk of breakage
- Very high accuracy, even by decreasing gas cylinder pressure
- Precise adjustment
- High number of setting levels

Large product range

- Available for numerous medical gases such as oxygen, compressed air, nitrous oxide, carbon dioxide
- Available for a variety of connections to gas cylinders such as DIN 477-1, BOC (BS 341-3) UK, Air Liquide (NF E 29-650) France, UNI (UNI 4406) Italy, PIN INDEX BS EN 850, CGA V 1, ISO 5145
- Available with flowmeter with flow rates 0-15 l / min, 0-1 l / min, 0-5 l / min or 0–30 l/min
- Available without or with up to two additional outlets / couplings

MEDAP Pressure regulators

Pressure regulators reduce the pressure in gas cylinders to the rated operating pressure required by medical personnel. MEDAP pressure regulators are designed for a high inlet pressure of up to 300 bar (30,000 kPa). With their very high nominal flow rate of over 220 l / min, they are ideal for connecting devices with high gas requirements.

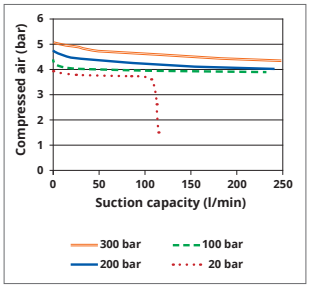
High nominal flow with high pressure stability

Suitable for gas cylinders with a capacity of 2/3 l and 10/11 l

Optionally with up to two outlets / couplings

Improved safety

The MEDAP pressure regulators have a very high nominal flow and ensure high pressure stability even by decreasing gas cylinder pressure.



Wide range of variants

Particularly compact pressure regulators with a short connection are available for the 2/3 l gas cylinders, pressure regulators with a long connection are available for 10/11 l gas cylinders.

Versatile

Alternatively, only pressure regulators with a click-stop flowmeter are available or (additionally) with up to two couplings to connect to LPG powered devices (e.g., ventilators).

MEDAP Emergency oxygen

The emergency oxygen device is the ideal solution for intrahospital transport. The carrier frame is suitable for holding a 2/3 l oxygen cylinder and a secretion canister. It provides the patient with oxygen and simultaneously performs bronchial suction. Alternatively, the emergency oxygen device can be attached to an equipment rail or to the patients bed.

device

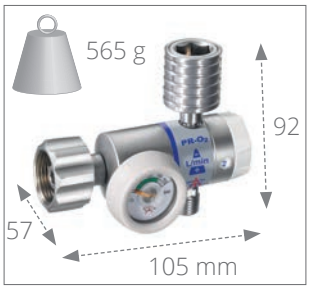
Pressure regulators with particularly compact dimensions

Equipment rail for attaching a secretion canister

The emphasis is on the carrying handle of the emergency oxygen device

Space-saving

The short connection of the pressure regulator ensures extremely compact dimensions and low weight.

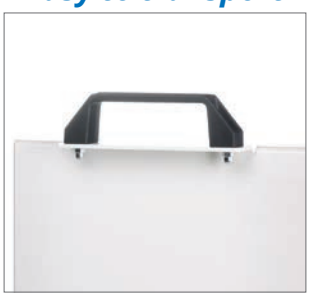


High flexibility

Any reusable or disposable secretion canister with a volume of 1 l can be mounted to the equipment rail.

Easy to transport

The optimally mounted handle on the carrier frame allows for easy transport.



MEDAP OXYRATOR with or

The OXYRATOR is suitable for supplying patients with oxygen on wards where there is no oxygen terminal unit available, or as an emergency supply in the event of a central gas supply failure. It is available with or without suction. The cylinder trolley is suitable for holding 10/11 l gas cylinders.

without suction

Optionally with or without secretion suction

Equipment rail for attachment of any secretion canister system

Trolley with large, smooth-running castors

Individual equipment

The OXYRATOR is available with or without secretion suction.

Easy to use

The equipment rail can be easily attached to the cylinder trolley and can be mounted to any reusable or disposable secretion canister.

Easy to transport

High-quality castors, two of them have brakes with a diameter of 75 mm, this allows for particularly easy transport.

Overview Pressure regulat

	PR-O2-DIN-S-P450-0-DIN	PR-O2-DIN-S-F4-0
		
REF	5752 5547	5752 5546
Gas type [1]	Oxygen	Oxygen
Connection for oxygen cylinder [2]	G 3/4" according to DIN 477-1	G 3/4" according to DIN 477-1
Fitting for oxygen cylinder [3]	short	short
Supply pressure P1	30.000 kPa (at DIN 477-1 20.000 kPa)	30.000 kPa (at DIN 477-1 20.000 kPa)
Rated operating pressure P2	450 kPa ± 50 kPa	–
Nominal flow	> 220 l/min at > 100 bar	–
Oxygen dosage / -flow rate	–	4 l/min [5]
Scaling (l/min)	–	–
Outlet / coupling	Coupling DIN according to DIN 13260-2 [4]	Hose connection
Additional outlet	–	–
Dimensions (L x W x H) in mm	86 x 57 x 74	86 x 57 x 62
Weight in g	510	450
Classification according to Appendix XI Directive 93/42 / EEC	IIb	IIb

ors

PR-O2-DIN-L-LS15-0	PR-O2-DIN-S-LS15-0	PR-O2-DIN-L-LS15-1 DIN	PR-O2-DIN-S-LS15-1-DIN
			
5752 5543	5752 5618	5752 5544	5752 5545
Oxygen	Oxygen	Oxygen	Oxygen
G 3/4" according to DIN 477-1	G 3/4" according to DIN 477-1	G 3/4" according to DIN 477-1	G 3/4" according to DIN 477-1
long	short	long	short
30.000 kPa (at DIN 477-1 20.000 kPa)	30.000 kPa (at DIN 477-1 20.000 kPa)	30.000 kPa (at DIN 477-1 20.000 kPa)	30.000 kPa (at DIN 477-1 20.000 kPa)
–	–	450 kPa ± 50 kPa	450 kPa ± 50 kPa
–	–	> 220 l/min at > 100 bar	> 220 l/min at > 100 bar
0–15 l/min [6]	0–15 l/min [6]	0–15 l/min [6]	0–15 l/min [6]
0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 4; 5; 7; 10; 12; 15	0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 4; 5; 7; 10; 12; 15	0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 4; 5; 7; 10; 12; 15	0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 4; 5; 7; 10; 12; 15
UNF 9/16 " and additional hose adapter	UNF 9/16 " and additional hose adapter	UNF 9/16 " and additional hose adapter	UNF 9/16 " and additional hose adapter
–	–	Coupling DIN according to DIN 13260-2 [4.7]	Coupling DIN according to DIN 13260-2 [4.7]
160 x 57 x 51	105 x 57 x 51	160 x 57 x 92	105 x 57 x 92
590	500	655	565
llb	llb	llb	llb

1) Oxygen, on request also for compressed air, nitrous oxide, carbon dioxide
2) G 3/4 "according to DIN 477-1, on request also for BOC (BS 341-3 Great Britain, Air Liquide (NF E 29-650) France, UNI (UNI 4406) Italy, PIN INDEX BS EN 850, CGA V -1, ISO 5145
3) either short (primarily for 2/3 l gas cylinders) or long (primarily for 10/11 l gas cylinders)
4) Coupling DIN according to DIN 13260-2, on request also BOC (BS 5682) Great Britain, Air Liquide (NF S 90-116) France,
5) alternatively also 5 l / min and 6 l / min
6) 0-15 l / min, upon request also 0-1 l / min, 0-5 l / min and 0-30 l / min
7) an additional outlet, upon request also two additional outlets is possible

Overview Emergency equip

	OXYRATOR
	
REF	5752 5548
Gas type	Oxygen
Connection for oxygen cylinder	G 3/4" according to DIN 477-1
Fitting for oxygen cylinder	long
Supply pressure P1	30.000 kPa (at DIN 477-1, 20.000 kPa)
Rated operating pressure P2	–
Nominal flow	–
Oxygen dosage / -flow rate	0 – 15 l/min
Scaling (l/min)	0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 5; 7; 8; 10; 12; 15
Outlet	UNF 9/16 " and additional hose adapter
Additional outlet	–
FINA Fine regulating valve	–
Gas-jet pump	–
- Vacuum	–
- Suction capacity	–
Hose adapter	–
Dimensions (L x W x H) in mm	610 x 610 x 1170
Weight in kg (without oxygen cyclinder)	Approx. 11
Weight in kg (with 3 l oxygen cyclinder)	–

ment

OXYRATOR with suction	Emergency oxygen unit
	
5752 5549	5752 5550
Oxygen	Oxygen
G 3/4" according to DIN 477-1	G 3/4" according to DIN 477-1
long	short
30.000 kPa (at DIN 477-1, 20.000 kPa)	30.000 kPa (at DIN 477-1, 20.000 kPa)
450 kPa ± 50 kPa	450 kPa ± 50 kPa
> 220 l/min at > 100 bar	> 220 l/min at > 100 bar
0 – 15 l/min	0 – 15 l/min
0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 4; 5; 7; 10; 12; 15	0; 0.2; 0.5; 0.7; 1; 1,5; 2; 3; 4; 5; 7; 10; 12; 15
UNF 9/16 " and additional hose adapter	UNF 9/16 " and additional hose adapter
Coupling DIN according to DIN 13260-2	Coupling DIN according to DIN 13260-2
Oxygen, with wall connection, for terminal unit DIN, outlet G 3/8 "	Oxygen, with wall connection, for terminal unit DIN, outlet G 3/8 "
Oxygen, LF / HV, connection G 3/8 "	Oxygen, LF / HV, connection G 3/8 "
0 to -80 kPa	0 to -80 kPa
12 l/min	12 l/min
for hoses with ID of 6 mm	for hoses with ID of 6 mm
610 x 610 x 1170	200 x 250 x 545
Approx. 12	4.3
–	9.2

Vacuum Extraction

Surgical Suction

Wound Drainage

ATMOS

Cardiothoracic Drainage

Oxygen Supply

Bronchial Suction

Smoke Evacuation

Product range

Mobile Oxygen Supply

Suction with CGS

For further information about the entire product range „ATMOS Medical Suction Systems“ visit:

www.atmos-medap.com

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For more information on the entire “ATMOS Mobile Oxygen Supply” product range, visit:
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PR4GB.M30000.0 • 2019-10 Index: 03, Errors and omissions excepted.