



Product sheet Oxygen for medical applications

Product name	Oxygen for medical applications
Physical state	gaseous, compressed
Chemical sign	O ₂
Chemical designation	Oxygen
Purity	99,5 %
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	pure white (RAL 9010)

Minor components	Maximum values
Carbon dioxide	300,0 vol. ppm
Carbon monoxide	5,0 vol. ppm
Moisture	67,0 vol. ppm

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Oxygen for medical purposes T01 RCyl. nC	A0012010152	steel	1,0 l	200,0 bar	0,2 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen for medical purposes T02 RCyl. nC	A0012010225	aluminum	2,0 l	200,0 bar	0,4 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen f. med. purp. T02 RCyl. C ViD Alu	A00120102495	aluminum	2,0 l	200,0 bar	0,4 m ³		Cage, ViD
Oxygen f. med. purp. T02 RCyl. C ViD Alu	A001201024958	aluminum	2,0 l	200,0 bar	0,4 m ³	DIN 477 Nr. 9 (G 3/4)	Cage, ViD
Oxy. f. med. purp. T02 RCyl. C ViD di.Alu	A001201024975	aluminum	2,0 l	200,0 bar	0,4 m ³		ViD
Oxygen for medical purposes T02 RCyl. nC	A0012010252	steel	2,0 l	200,0 bar	0,4 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen f. med. purp. T02 RCyl. nF C ViD	A00120102549	steel	2,0 l	200,0 bar	0,4 m ³		Cage, ViD
Oxygen med. T03 RCyl. nCSnCP	A0012010352	steel	3,0 l	200,0 bar	0,4 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen f. med. purp. T03 RCyl. nF C ViD	A00120103549	steel	3,0 l	200,0 bar	0,4 m ³		Cage, ViD



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Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Oxygen med. T05 RCyl. C	A001201054	steel	5,0 l	200,0 bar	1,0 m ³	DIN 477 Nr. 9 (G 3/4)	Cage
Oxygen med. T05 RCyl. C ViD	A0012010549	steel	5,0 l	200,0 bar	1,0 m ³		Cage, ViD
Oxygen f. med. purp. T05 RCyl. C ViD Alu	A00120105495	aluminum	5,0 l	200,0 bar	1,0 m ³		Cage, ViD
Oxy. f. med. purp. T05 RCyl. CViD di.Alu	A001201054975	aluminum	5,0 l	200,0 bar	1,0 m ³		Cage, ViD
Oxygen for medical purposes T10 RCyl.	A001201110	steel	10,0 l	200,0 bar	2,1 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen for medical purposes T10 RCyl.	A0012011049	steel	10,0 l	200,0 bar	2,0 m ³		Cage, ViD
Oxygen f. medical purposes T10 RCyl. Alu	A00120110495	aluminum	10,0 l	200,0 bar	2,0 m ³		Cage, ViD
Oxygen for medical purposes T50 RCyl.	A00120150	steel	50,0 l	200,0 bar	10,6 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen for medical purposes RBundle	A00120312	steel	600,0 l	200,0 bar	127,2 m ³	DIN 477 Nr. 9 (G 3/4)	

Unless otherwise stated, these refer to filling pressure at 288,15K (15°C) and to content at 288,15K (15°C) and 1,013 bar.

Oxygen for medical purposes is the trade name of the finished medicinal product. Oxygen for medical purposes complies in production and analysis with the requirements of the current version of the PhEur (European Pharmacopoeia).

Typical applications

- as per leaflet.

Physical data

Liquid State	Heat of Evaporation	212,98 kJ kg ⁻¹
	Liquid Density	1141,0 kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0254 kg m ⁻³
	Density Ratio to Air (at 288.15 K and 1.013 bar)	1,11
	Specific heat (at 298.15 K and 1.013 bar)	0,92 kg m ⁻³
	Density (at 273.15 K and 1.013 bar)	1,43 kg m ⁻³
	Critical Point	Temperature
	density	436,1 kg m ⁻³
	Pressure	50,43 bar
Triple Point	Temperature	54,4 (-218,8) K (°C)
	Vapour Pressure	0,0015 bar



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Physical data	
Heat of Fusion	13,9 kJ kg ⁻¹

All mentioned data, values and notes correspond to actual state of knowledge on the date of printing. They make no claim to be correct or complete and therefore do not release the user from his obligation to check them.

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