



Westfalen

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 %
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 T02 RCyl. nC	S0012010252	steel	2,0 l	200,0 bar	0,4 m ³	null (G 3/4)	
Oxygen for medical purposes T05 RCyl.	S00120105	steel	5,0 l	200,0 bar	1,0 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen medical T10 RCyl. with Cage	S001201104	steel	10,0 l	200,0 bar	2,1 m ³	DIN 477 Nr. 9 (G 3/4)	Cage
Oxygen for medical purposes T10 RCyl.	S0012011049	steel	10,0 l	200,0 bar	2,1 m ³	DIN 477 Nr. 9 (G 3/4)	Cage, ViD
Oxygen for medical purposes T20 RCyl.	S00120120	steel	20,0 l	200,0 bar	4,2 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen for medical purposes T50 RCyl.	S00120150	steel	50,0 l	200,0 bar	10,6 m ³	DIN 477 Nr. 9 (G 3/4)	
Oxygen for medical purposes RBundle	S00120312	steel	600,0 l	200,0 bar	1,0 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.

Sauerstoff medizinisch Westfalen, Inhalationsgas 200 bar 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).



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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)	1,331 kg m ⁻³
Critical Point	Temperature	154,57 (-118,6) K (°C)
	density	436,1 kg m ⁻³
	Pressure	50,43 bar
Triple Point	Temperature	54,4 (-218,8) K (°C)
	Vapour Pressure	0,0015 bar
	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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