



**Westfalen**

## Product sheet Divox® O 100

Product name	Divox® O 100
Physical state	gaseous, compressed
Chemical sign	O <sub>2</sub>
Chemical designation	Oxygen
Purity	99,5 %
Properties	see safety data sheet
Shoulder color	pure white (RAL 9010)

Minor components	Maximum values
Carbon dioxide	1,0 vol. ppm
Carbon monoxide	0,2 vol. ppm
Hydrochlorofluorocarbons	2,0 vol. ppm
Moisture	5,0 vol. ppm
odorless and tasteless	5,0 vol. ppm
Hydrocarbons	30,0 vol. ppm
Oil	0,1 mg Nm <sup>-3</sup>

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Divox O 100 T50 RCyl 300 bar	A004501503	steel	50,0 l	300,0 bar	15,2 m <sup>3</sup>	DIN 477-5 No. 59 CEN No. 7	

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.

Divox® O 100 complies with the requirements of the EuAB regarding the specification of oxygen and its analysis, the specifications of the "Standardisation Agreement (Stanag) of the Nato Standardisation Agency (NSA) Subject: Diving Gas Quality" Nato Grade A as well as DIN EN 12021: Respiratory equipment - compressed gases for breathing apparatus; German version EN 12021:2014.

### Typical applications

- as a breathing gas



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Physical data		
Liquid State	Heat of Evaporation	212,98 kJ kg <sup>-1</sup>
	Liquid Density	1141,0 kg m <sup>-3</sup>
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0254 kg m <sup>-3</sup>
	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 <sup>-3</sup>
	Density (at 273.15 K and 1.013 bar)	1,43 kg m <sup>-3</sup>
Critical Point	Temperature	154,57 (-118,6) K (°C)
	density	436,1 kg m <sup>-3</sup>
	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 <sup>-1</sup>

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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