



**Westfalen**

## Product sheet Divox® He 100

Product name	Divox® He 100
Physical state	gaseous, compressed
Chemical sign	He
Chemical designation	Helium
Purity	99,996 %
Properties	see safety data sheet
Shoulder color	olive brown (RAL 8008)

Minor components	Maximum values
Carbon monoxide	0,2 vol. ppm
Moisture	5,0 vol. ppm
Hydrocarbons	30,0 vol. ppm
Carbon dioxide	5,0 vol. ppm
Hydrogen	10,0 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 He 100 T50 RCyl. 300 bar	A033501503	steel	50,0 l	300,0 bar	13,0 m <sup>3</sup>	DIN 477-5 No. 54 CEN Nr. 1	

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 He100 complies with the requirements of the EuAB regarding the specification of helium 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



Physical data		
Triple point: upper lambda-point		
operating figures	Molar mass	4,00 g mol <sup>-1</sup>
Liquid State	Heat of Evaporation	20,42 kJ kg <sup>-1</sup>
	Liquid Density	125 kg m <sup>-3</sup>
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,1482 kg m <sup>-3</sup>
	Density Ratio to Air (at 288.15 K and 1.013 bar)	0,14
	Specific heat (at 298.15 K and 1.013 bar)	5,20 kg m <sup>-3</sup>
	Density (at 273.15 K and 1.013 bar)	0,18 kg m <sup>-3</sup>
Critical Point	Temperature	5,2 (-268,0) K (°C)
	density	69,6 kg m <sup>-3</sup>
	Pressure	2,28 bar
Triple Point	Temperature	2,177 (-271,0) K (°C)
	Vapour Pressure	0,051 bar
	Heat of Fusion	3,49 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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