



**Westfalen**

# Product sheet Corpadur® C cryo

Product name	Corpadur® C cryo
Physical state	liquefied under pressure
Chemical sign	CO <sub>2</sub>
Chemical designation	Carbon dioxide
Properties	see safety data sheet
Shoulder color	dusty grey (RAL 7037)

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Corpadur® C cryo T05 TC: 3,75 kg	A0112010514	steel	5,0 l	50,9 bar	3,75 kg	DIN 477 No. 6 (21,8 x 1/14 right) with rupt	Cage, immersion tube
Corpadur® C cryo T08 TC long: 6,0 kg	A0112010814	steel	8,0 l	50,9 bar	6,0 kg	DIN 477 No. 6 (21,8 x 1/14 right) with rupt	Cage, immersion tube
Corpadur® C cryo T13 TC: 10,0 kg	A0112011314	steel	13,0 l	50,9 bar	10,0 kg	DIN 477 No. 6 (21,8 x 1/14 right) with rupt	Cage, immersion tube

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

Corpadur® C is the trade name of the medical device CE 0297. Corpadur® C is distributed in accordance with the requirements of the EU Directive 93/42/EEC for medical devices and meets the requirements of the European Pharmacopoeia regarding production and analysis as well as the requirements of conformity.

## Typical applications

- according to the instructions for use

## Physical data

operating figures	Molar mass	44,01 g mol <sup>-1</sup>
Sublimation Point	Heat of sublimation	571,08 kJ kg <sup>-1</sup>
	Sublimation temperature	194,65 (-78,5) K (°C)
	Density	1562 kg m <sup>-3</sup>



Physical data		
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0157 kg m <sup>-3</sup>
	Density Ratio to Air (at 288.15 K and 1.013 bar)	1,53
	Specific heat (at 298.15 K and 1.013 bar)	0,83 kg m <sup>-3</sup>
	Density (at 273.15 K and 1.013 bar)	1,98 kg m <sup>-3</sup>
Critical Point	Temperature	304,21 (31,1) K (°C)
	density	464 kg m <sup>-3</sup>
	Pressure	73,83 bar
Triple Point	Temperature	216,6 (-56,6) K (°C)
	Vapour Pressure	5,185 bar
	Heat of Fusion	196,7 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.

Current state 03.11.2021