



Westfalen

Product sheet R-23

Product name	R-23
Physical state	liquefied under pressure
Chemical sign	CHF ₃
Chemical designation	R-23
Purity	99,5 %
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

Minor components	Maximum values
organic substances	0,5 wt%
Moisture	25,0 wt. ppm
high-boiling residues	50,0 wt. ppm
non-condensable gases	1,5 vol.%

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Refrigerant KLEA 23 T03 RCyl: 2,5 kg	S06360103	steel	2,0 l		2,5 kg		
Refrigerant R-23 T10 RCyl: 8,0 kg recla.	S06360110W	steel	10,0 l	41,6 bar	8,0 kg	DIN 477 No. 6	
Refrigerant KLEA 23 T12 RCyl: 8,0 kg	S06360112	steel	12,0 l		8,0 kg	DIN 477 No. 6	
Refrigerant R-23 T50 RCyl: 34,8kg recla.	S06360150W	steel	50,0 l	41,6 bar	43,8 kg	DIN 477 No. 6	

Vapour pressure corresponds to 293.15 K (20°C).

Typical applications

- as a refrigerant
- in cascade cooling systems
- in cryogenic technology



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Physical data		
operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	14800
	Molar mass	70 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,68 kg m ⁻³
Liquid State	Boiling Point	191,05 (-82,1) K (°C)
Critical Point	Temperature	299,07 (25,92) K (°C)
	density	626 kg m ⁻³
	Pressure	48,36 bar

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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