



Westfalen

Product sheet R-404A

Product name	R-404A
Physical state	liquefied under pressure
Chemical sign	CHF ₂ CF ₃ + CF ₃ CH ₂ F + CF ₃ CH
Chemical designation	R-404A
Purity	99,5 %
Standard	DIN 8960
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

Components	
R-125 (Pentafluoroethane)	44,0 wt%
R-134a (1,1,1,2-Tetrafluoroethane)	4,0 wt%
R-143a (1,1,1-Trifluoroethane)	52,0 wt%

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 404A T12 RCyl: 9,0 kg	S06320112	steel	12,0 l		9,0 kg		Cage
Refrigerant R 404A T12 RCyl: 9,0 kg	S06320112W	steel	12,0 l	11,0 bar	9,0 kg	DIN 477 No. 6	immersion tube
	S06320127	steel	27,0 l		22,0 kg		
Refrigerant KLEA 404A T61 RCyl: 49,0 kg	S06320161	steel	61,0 l	11,0 bar	49,0 kg	DIN 477 No. 6	
Refrigerant KLEA 404A T61 RCyl: 49,0 kg	S06320161W	steel	61,0 l	11,0 bar	49,0 kg	DIN 477 No. 6	immersion tube



Westfalen

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Refrigerant KLEA 404A T900 RDrum: 726 kg	S06320590	steel	900,0 l	11,0 bar	726,0 kg	DIN 477 No. 6	

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

Typical applications

- as a refrigerant
- in commercial refrigeration
- in supermarket cooling
- in deep freezing
- in transport refrigeration

Physical data

operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	3922
	Molar mass	97,6 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,52 kg m ⁻³
Liquid State	Boiling temperature at the bubble point	226,65 (-46,5) K (°C)
Critical Point	Temperature	345,1 (72) K (°C)
	density	486,54 kg m ⁻³
	Pressure	37,3 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.

Current state 13.09.2020