



**Westfalen**

## Product sheet R-407F

Product name	R-407F
Physical state	liquefied under pressure
Chemical sign	CH <sub>2</sub> F <sub>2</sub> + CHF <sub>2</sub> CF <sub>3</sub> + CF <sub>3</sub> CH <sub>2</sub> F
Chemical designation	R-32 (Difluoromethane) + R-125 (Pentafluoroethane) + R-134a (1,1,1,2-Tetrafluoroethane)
Purity	99,5 %
Standard	DIN 8960 / AHRI Standard
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

Components	
R-32 Difluoromethane	30,0 wt%
R-125 (Pentafluoroethane)	30,0 wt%
R-134a (1,1,1,2-Tetrafluoroethane)	40,0 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 R-407 F T12 RCyl: 10,0 kg	A08530112	steel	12,0 l	11,4 bar	10,0 kg	DIN 477 No. 6 (W 21,80 x immersion tube 1/14)	
Refrigerant R-407 F T61 RCyl: 54,0 kg	A08530161	steel	61,0 l	11,4 bar	54,0 kg	DIN 477 No. 6 (W 21,80 x immersion tube 1/14)	
Refrigerant R 407 F T400 RDrum: 350 kg	A08530540	steel	400,0 l		350,0 kg	7BSW W 1 1/4" x 1/8", immersion tube RH	



Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Refrigerant R 407 F T900 RDrum: 800 kg	A08530590	steel	900,0 l	11,4 bar	800,0 kg	Valve barrel KM RW (W 33 x 1 / 14)	immersion tube

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

## Typical applications

- as a refrigerant
- in commercial refrigeration
- in climate control
- in cooling

## Physical data

<b>operating figures</b>	Safety group according to DIN EN 378	A1
	Global warming potential (GWP <sub>100</sub> )	1824
	Molar mass	82,1 g mol <sup>-1</sup>
	Flammability (LFL)	- kg m <sup>-3</sup>
	ozone depletion potential	0
<b>Liquid State</b>	Boiling temperature at the bubble point	227,05 (-46,1) K (°C)
<b>Critical Point</b>	Temperature	355,75 (82,6) K (°C)
	density	477,37 kg m <sup>-3</sup>
	Pressure	47,54 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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