

# R-513A

## SPECIFICATIONS FROM AHRI STANDARD 700

STANDARD SPECIFICATIONS	LIMIT VALUE
Composition R-1234yf: 56 % R-134a: 44 %	55 % ≤ R-1234yf ≤ 57 % 43 % ≤ R-134a ≤ 45 %
Purity	≥ 99,5 % weight
Water content	≤ 10 ppm weight
Acidity (HCl)	≤ 1 ppm weight
Condensable content (gas phase)	≤ 1,5 % volume
High boiling residue	≤ 0,01 % volume

## PHYSICAL PROPERTIES

Name	2,3,3,3-tetrafluoropropene 56 % weight 1,1,1,2-tetrafluoroethane 44 % weight
Chemical formula	CF <sub>3</sub> -CF = CH <sub>2</sub> / CF <sub>3</sub> -CH <sub>2</sub> F
Boiling point at 1,013 bar	-29,2 °C
Critical temperature	96,5 °C
GWP [AR4]	631
Security class (ISO817, EN378, ASHRAE34)	A1
Ozone Depletion Potential	0
Lower flammability limits [kg/m <sup>3</sup> ]	Ininflammable
Oil	POE (PolyolEster)

## PACKAGING

12L, 62L, 900L

## SUBSTITUTION

- R-134A

## DIFFERENT MARKET NAMES

- OPTEON™ XP10