

R-422D ISCEON® M029 (English version)

Chemical name: Tetrafluoroethane / Pentafluoroethane / Isobutane
 Formula: $\text{CF}_3\text{CH}_2\text{F}$ / CF_3CHF_2 / C_4H_{10}

Specification / grade

Purity	99,5 weight %		
Mixture	R-125	Min 64,0 – Max	66,0 weight %
	R-134a	Min 30,5 – Max	32,5 weight %
	R-600a	Min 3,0 - Max	3,5 weight %
Impurity	Moisture	10 ppm	
	Residue	0,01ppm	
	Acidity as HCl	1 ppm	

Cylinder / content specification

	V _{cyl} (l)	M _{gas} (kg)	Product code
Cylinders	12,3	11	5480112
	27,2	24,5	5480127
Bundle barrel	61	56	5480161
	900	828	5481190

Cylinder characteristics

Colour according to standard	--	
Shoulder	Pure white	RAL 9010
Cylindrical part	Pure white	RAL 9010
Connection according to NEN 3268	RU 1	

Physical properties

Average molecular weight (kg/kmol)	109.9		
Density saturated vapour (kg/m ³ -15 °C)	15.64		
Density liquid (kg/m ³ at 25 °C)	1143		
Boiling point (°C) (K)	-43.2	respective	229.9
Critical temperature (°C) (K)	79.6	respective	352.7
Vapour pressure (bar at 25 °C)	11.28		

Additional information

Material Safety Data Sheet	Cooling gas R 422 D (VIB nr. 9210)
Product description	Colourless liquid with ethereal odour
Designation according to ASHRAE	R-422D
Ozone depletion potential (O.D.P.) (CFK – 11 = 1)	0
Warming up factor (HGWP) CFK – 11 = 1)	2230

Applications

Commercial cooling Air treatment installations, airco's	Cooling agent for temperature area between -25 °C and +15 °C Alternative for R-22
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