

G-Energy Antifreeze NF

High Performance Antifreeze

G-Energy Antifreeze NF is extra high performance coolant made of ethylene glycol. It contains inhibitors providing outstanding protection of engines of both ferrous and aluminum construction against corrosion and frost damage. G-Energy Antifreeze NF is free of nitrites, amines, phosphates, and borates. Concentrated antifreeze formula needs to be diluted prior to be used.

Applications

- Car, truck, bus and stationary engines of both ferrous and aluminum construction
- G-Energy Antifreeze NF Concentrate must be diluted prior to be used as recommended by vehicle manufacturer (see dilution chart)
- For preparation of the coolant it is recommended to use distilled or deionized water. Tap water can be used when not excessively hard

Dilution Chart

Antifreeze concentrate/Water, v/v%	Freeze protection
33/67	-18°C
50/50	-37°C
60/40	-55°C

Approvals

- Deutz DQC CA-14
- Jenbacher TI 1000-0201
- MAN 324 NF
- MB 325.0

Meets the requirements

- AS 2108-2004
- ASTM D3306
- ASTM D4985
- Audi
- BMW N 600 69.0
- BS 6580-2010
- CUNA NC 956-16
- Ford
- General Motors
- General Motors B 040 0240
- Iveco
- Jenbacher TA-Nr. 1000-0201
- Liebherr Machines Bulle TLV 035 and TLV 23009 A
- Mercedes-Benz Daimler
- ÖNORM V 5123
- Porsche 924, 928, 944, 968
- Saab 6901599
- SANS 1251:2005
- Seat
- Skoda
- VW TL 774-C (G-11)

Typical Characteristics

Properties	Method	G-Energy Antifreeze NF
Color	visually	blue-green
Density @20°C, g/cm ³	DIN 51 757-4	1,121-1,123
Kinematic viscosity @20°C, mm ² /s	DIN 51 562	24-28
Refractive Index @20°C	DIN 51 423-2	1,432-1,436
Boiling point, °C	ASTM D1120	>165
Flash point, °C	DIN EN ISO 2592	>120
pH (33% volume solution)	ASTM D1287	7,1-7,3
Reserve Alkalinity, ml HCl	ASTM D1121	13-15
Ash, wt%	ASTM D1119	max. 1,5
Water Content, wt%	DIN 51777-1	max. 3,5
Freezing Point (50% volume solution), °C	ASTM D1177	below -37
Freezing Point (33% volume solution), °C	ASTM D1177	below -18
Foaming characteristics (33% volume solution)	ASTM D1881	max.50ml/3s
Electrical conductivity @23°C (30-50% volume solution), mS/cm	ASTM D1125	approx. 4

Available type and size

Product Name	Type	Available Size
G-Energy Antifreeze NF	Concentrate (needs to be diluted prior to be used)	1kg, 5 kg , 220kg , 1000kg
G-Energy Antifreeze NF 40	Ready to use product that has been premixed with concentrate and water to provide efficient protection down to -36°C	1kg, 5 kg , 10kg, 220kg, 1000kg

Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.