



Capella® HFC

Premium performance compressor fluids

Product Data Sheet

Customer benefits

Highly stable performance

Designed for use in high performance hydrofluorocarbon refrigeration compressors, Capella HFC low-volatility fluids deliver highly reliable and chemically stable long service across a very wide temperature range, optimising refrigeration compressor performance and extending service life.

These fully synthetic fluids are formulated with state-of-the-art polyolester technologies and deliver next-generation chemical and thermal stability to large refrigeration compressor systems in industrial, commercial and retail systems, air conditioning systems, heat pumps and cooling systems in transport applications.

Maximum system performance and service life

Capella HFC provides high oil-refrigerant separation performance over a wide range of operating temperatures, ensuring complete oil film protection of system components in high pressure operating environments. This wide temperature stability maximises system performance and wear protection. It delivers maximum resistance to oxidation in high temperature compressors and optimum fluidity at very low evaporation temperatures in evaporator units, providing world-class wear protection, system cleanliness and filter performance. Tested by leading refrigeration compressor manufacturers worldwide, Capella HFC demonstrated a complete absence of copper transfer.

This highly shear stable fluid delivers very long service life performance under demanding operating conditions, and through outstanding, chemically stable performance, reduces downtime, planned maintenance, drain intervals and extends equipment life.

Applications and approvals

- Recommended for use in initial fill or retrofit lubrication of refrigeration compressors operating with hydrofluorocarbon refrigerants in industrial, retail and commercial applications, air conditioning systems, heat-pump equipment and cooling systems in the transport sector.

Product features:

Capella HFC is a premium quality fully synthetic compressor fluid, developed with the cooperation of leading refrigeration compressor manufacturers across the globe. This high performance fluid is designed for use with HFC units, and has been tested by all major manufacturers - worldwide.

Capella HFC fluid range has or is being tested with the following refrigeration compressor manufacturers worldwide:

- Bitzer; Bock; Carrier; Danfoss; Dorin; Electrolux; Embraca/Aspera; Frigopol; Gram; Grasso; Maneurop; Sabroe; ABB; Stahl; Sulzer.

Product specifications

CAPELLA HFC		
TYPICAL DATA		
TEST	TEST METHODS	RESULTS
Viscosity Grade		55 100
Visc. Kinematic at 40 °C	ISO 3104	55 100
Visc. Kinematic at 100 °C	ISO 3104	>8.40 >11.1
Viscosity Index	ISO 2909	>140 >108
Colour	ASTM D 1500	<1.5 <1.0
Flash Point, °C	ISO 2592	>270 >275
Pour point, °C	ISO 3016	<-39 <-39
Density, 15 °C, Kg/l	ASTM D0941	1.010 1.000

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

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