

Danfoss EverCool
A/C hose family

ENGINEERING
TOMORROW

Danfoss

Performance that keeps you cool... **EverCool**



Meet Danfoss' full family of mobile A/C hoses

Setting new standards for hose performance, flexibility, and durability in the mobile A/C industry.



Customers are demanding more from their vehicles. Every component and system have to work harder and last longer, delivering consistent results mile after mile. Couple that with evolving environmental standards, manufacturers wonder how to design vehicles that are both productive and environmentally sustainable.

The answer, the EverCool™ family of high-performance A/C hoses.

Our complete portfolio includes the EC007 barrier hose, as well as the industry-leading GH001 veneer hose, and FC800 large bore hose. The hoses provide options for the full range of mobile A/C applications including bus, truck, agricultural, military, and construction vehicles. All three hoses in the portfolio are qualified with multiple refrigerants, including R1234yf.

EverCool EC007 A/C hose

Danfoss EverCool EC007

Goes beyond performance expectations

Danfoss' EverCool EC007 Type C barrier hose is intended for truck, agricultural, and construction customers. It is designed for improved fracture and kink resistance. This ultimately reduces hose damage that occurs when bending the hose in difficult or tight installations, or through normal wear and tear. In addition, the EC007 A/C hose has better permeation than any other Type C hose to minimize refrigeration loss, reduce environmental impact, downtime, and cost associated with "topping off the

system". Constructed with a thermoplastic barrier layer between textile-reinforced elastomeric layers, and an outer cover built with a heat, ozone, and UV-resistant synthetic elastomer, EC007 is competitively priced and has the best performance of any Type C on the market.

Applications:



Truck A/C and Refrigeration



Agriculture



Construction

EverCool GH001 A/C hose



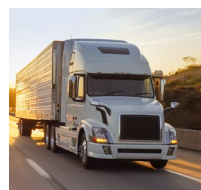
Danfoss EverCool GH001

Superior performance and versatility for the most demanding applications

With industry-leading features like near-zero permeation, a tighter bend radius, and the widest temperature range in its class, Danfoss' EverCool GH001 mobile A/C hose is an SAE J2064 Type E veneer hose setting an entirely new standard for performance. Plus, GH001 hose is qualified with several refrigerants and refrigerant oils that includes the emission-reducing R1234yf. This helps you meet a

variety of customer, industry, and environmental requirements with a single, versatile hose. Forget sacrifices and tradeoffs, with EverCool GH001 A/C hose you can help customers meet productivity goals and sustainability guidelines with ease.

Applications:



Truck A/C and Refrigeration



Agriculture



Bus



Construction

EZ Clip system for A/C refrigerant hoses

Danfoss offers one of the simplest A/C hose assembly systems on the market today, the EZ Clip™ system.

For air conditioning hose assembly, the EZ Clip system was designed to be a flexible installation option

without the need for a sizeable investment in crimp tooling. Whether used for service in the field or your primary method of assembly, EZ Clip has you covered. EZ Clip hose ends are available in hundreds of different configurations and designed for assembly with Danfoss' multi-refrigerant GH001 hose. If you

are servicing the heavy-duty truck, construction, and agriculture market, the EZ Clip system is a necessity. Danfoss' EZ Clip hose and fitting connection exceeds SAE J2064 and has been vibration and impulse tested to perform in demanding applications.

EverCool GH001 A/C hose outperforms all competitive products in the areas that matter most to customers

Widest temperature range

While the max SAE-specified temperature is rated for 125 °C (257 °F), GH001 hose performs from -40 °C to +140 °C (-40 °F to 284 °F) and features the widest operational temperature range of any hose in its class while delivering outstanding performance in the most extreme conditions

Near-zero permeation

Danfoss' patented tube technology virtually eliminates gas loss (<1kg/m²/yr with R1234yf), reducing the environmental impact, downtime, and costs associated with "topping off" the system

Superior flexibility and kink resistance

With the tightest bend radius in its class, the GH001 hose gives you more install flexibility, reducing the likelihood for hose damage

Durable construction to last longer

Even in direct sunlight, the UV-resistant hose cover contributes to an incredibly long hose life and our unique four-layer hose construction (tube, backing layer, poly braid, and EPDM cover) is tough enough to resist wear and collapse, making it ideal for the most demanding applications

Multiple fitting options

The EverCool GH001 hose can be factory crimped or field crimped using the patented EZ Clip fitting system which lets you repair broken or leaking hoses in just a few simple steps, ensuring when you purchase an Danfoss hose, it is securely and reliably sealed



Benefits of Danfoss' EZ Clip system

- No guess work
- No power supply needed
- No leaking crimps
- Easy to use in confined areas
- Reduces installation time by 50%
- With an industry leading 3-year warranty, the Danfoss EZ Clip fitting is both easy to install and guaranteed to last

EverCool FC800 A/C hose



Danfoss EverCool FC800

Best permeation performance of any large bore A/C hose on the market

With industry-leading features like EverCool FC800 Type B large bore A/C hose is the right hose and connector system for metro, touring, and other large bus air conditioning applications. This hose has the lowest permeation of any large bore hose in the industry — as much as 10 times better.

The highly engineered design of FC800 significantly reduces the downtime and maintenance costs

associated with “topping off the system” after the system has been idle during the cool-temperature months. The FC800 core is made of a blended CR rubber material, a synthetic characterized by its long-lasting elasticity, heat resistance, and excellent resistance to a number of refrigerants and compressor oils. With virtually 1/2 the bend radius of comparable large bore hoses, FC800 offers significantly greater flexibility and therefore withstands the high mechanical stress coming from the engine.

Applications:



Large bus



Train



Military

Compare models

Compare our complete offering of A/C hoses and their associated features to understand which hose best fits your application.

	FC800 Large bore hose	EC007 Barrier hose	GH001 Veneer hose
Type	Type B	Type C	Type E
Construction	Synthetic elastomeric tube with steel wire reinforcement. Cover is heat-resistant textile yarn impregnated with a synthetic elastomeric cement.	Thermoplastic barrier between elastomeric layers. Textile reinforcement. Outer cover heat and ozone resistant synthetic elastomer.	Thermoplastic veneer lining inside diameter with elastomeric tube outer layer. Textile reinforcement. Outer cover heat and ozone resistant synthetic elastomer.
Available sizes	-12, -16, -20, -24	6, -8, -10, -12, -14	-4, -6, -8, -10, -12, -16
Hose fittings	Factory crimp and field attachable	Crimp fittings	EZ Clip system and factory crimp

The Danfoss difference proven process, powerful performance, and a global footprint

Danfoss, a world leader in manufacturing of A/C hoses has the engineering expertise and global manufacturing capabilities required for strong and agile relationships with our OEM and Distribution partners.

With over 100 years of manufacturing expertise and a fully integrated global manufacturing footprint, Danfoss is one of the largest manufacturers of fluid conveyance products in the world. This means quick delivery for customers all over the world. Danfoss not only makes the OEM assemblies, but also all the components that go into the assembly. We manufacture and stand behind the performance of all parts in our hose assemblies to deliver superior quality and performance.

This expertise, coupled with our Danfoss application engineers and global network of Danfoss-certified experts, ensures we are able to offer end-to-end service and support almost anywhere you need it.

When performance, flexibility, and durability matter, the A/C hose you choose matters. That is why more engineers are choosing Danfoss.



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