Eaton's Aeroquip® GH810 ICE CHAMPION™

New Low-Temperature Hose is a Champ in Frigid Environments

Eaton's Aeroquip GH810 ICE CHAMPION hose with global spiral TTC fittings offers cold-temperature, high-pressure performance.

General Description

Eaton's new Aeroquip GH810 ICE CHAMPION hose takes the bite out of cold temperature applications. The spiral wire hose withstands temperatures as low as -70°F (-57°C) and pressures as high as 6,090 psi (420 bar), making it ideal for hydraulic system use in Alaska, Canada, and other global climates.

The Aeroquip GH810 ICE CHAMPION hose is rugged and abrasion-resistant, characteristics that further verify its suitability for extreme-duty applications on construction equipment, oil and gas rigs, agricultural equipment, and more.

This new hose is available in -12 through -24 sizes with one-piece Aeroquip Global Spiral TTC crimp fittings that make hose assemblies easy to build since skiving the hose is not required.

Features

- Size -12 to -16: 4-Wire
- Size -20 to –24: 6-Wire
- Meet or exceeds EN specifications
- 4 to 1 safety ratio

Benefits

- Rugged, spiral hose offers top performance in frigid temperatures
- Working temperatures from -70°F to +212°F (-57°C to +100°C)
- 6,090 psi (420 bar) maximum working pressure
- Proven, reliable Aeroquip hose and fitting technology
- Qualified with existing Aeroquip crimp machines

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Part Number	I.D. mm/in	O.D. mm/in	Max Oper. Press. bar/psi	Burst Press bar/psi	Min. Bend Radius mm/in	Weight kg/m/lbs/ft
GH810-12	19,1/.752	33,0/1.29	420/6090	1680/24,360	280/11.02	1.61/1.08
GH810-16	25,5/1.00	39,9/1.57	420/6090	1680/24,360	340/13.38	2.02/1.36
GH810-20	31,8/1.25	49,4/1.94	420/6090	1680/24,360	420/16.53	3.55/2.39
GH810-24	38,1/1.50	57,3/2.25	420/6090	1680/24,360	510/20.07	4.74/3.19

For information on additional sizes, please contact your local Eaton sales representative

Technical Data:

-57°C to +100°C

-70°F to +212°F

Application:

Hydraulic system with petroleum base fluids for low temperature applications.

Construction:

Synthetic rubber inner tube. 4-heavy wire spiral reinforcement (size -12 to -16), 6-heavy wire spiral reinforcement (size -20 to -24). Synthetic rubber cover.

Qualified Fittings:

Global Spiral TTC Fitting
1E and 1 Z Series

Crimp Specifications:

Hose	Crimp OD	Approved Tooling
GH810-12	1.425 ± 0.006	FT1209-200-82, GT9050-100-M360 & ET 1295DC-82S
GH810-16	1.765 ± 0.006	FT1209-200-46, GT9050-100-M420 & ET 1295DC-46S
GH810-20	2.245 ± 0.006	FT1209-200-15, FT1390-200-15, GT9050-100-M550 & ET 1295DC-15S
GH810-24	2.525 ± 0.006	FT1390-200-16 & ET 1295DC-16S

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