

Eaton Limited Warranty

Aeroquip®
Arrow®
Boston®
Char-Lynn®

Eaton®
Everflex®
Hydro-Line®
Hydrokraft®

Integrated
Hydraulics™
Synflex®
Vickers®

Walterscheid®
Weatherhead®



Powering Business Worldwide

General Information

Eaton Hydraulics LLC, Eaton Aeroquip LLC, Eaton Industries Limited Partnership and Eaton Corporation* (hereinafter referred to as "Eaton"), warrants to the original purchaser that products sold shall be free from defects in material and workmanship for the warranty period applicable to the purchased product as specified in Appendix A.

If buyer claims that a product violates such warranty, Eaton, upon notice promptly given, will either examine the product at buyer's site, or issue shipping instructions for return to Eaton at buyer's expense, transportation charges prepaid. Eaton's sole obligation under its warranty shall be, at its option, to repair, replace or refund the price of any product thereof which is proved to violate such warranty.

In no event, whether based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise, shall Eaton be liable to the buyer for special, indirect, incidental or consequential damages whatsoever including, without limitation, loss of profit or revenue. The above warranty is buyer's exclusive remedy and Eaton hereby expressly disclaims all other warranties, express or implied, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose.

The foregoing shall constitute the sole remedy of the buyer and the sole liability of Eaton.

This Limited Warranty shall not apply to any product or component thereof which has been repaired or altered outside of Eaton's factory in any manner so as, in Eaton's sole judgment, to affect its serviceability, or to any product that has been subject to alteration, accident, misuse, abuse, neglect or normal wear. The Limited Warranty shall not apply to products which have been assembled or installed or used in a manner contrary to Eaton's printed instructions, or due to failure to follow Eaton printed instructions for operation and maintenance.

Any technical assistance provided by Eaton's personnel or representatives in system design is construed to be a proposal and not a recommendation. The responsibility for determining feasibility rests with the user and should be subject to test.

Only the terms expressed in this Limited Warranty shall apply and no distributor, corporation or individual is authorized to amend, modify or extend this warranty in any way on resale.

For product return authorization:

**Eaton Aeroquip LLC
Eaton Hydraulics LLC
Eaton Corporation***
1-888-258-0222

(In Europe)
**Eaton Industries Limited
Partnership – EILP**
++ 49 (0) 7221 682-0

For additional information contact:

**Eaton Aeroquip LLC
Eaton Hydraulics LLC
Eaton Corporation**
1-888-258-0222
Warranty Department
14615 Lone Oak Rd
Eden Prairie, MN 55344
Web site: www.eaton.com/hydraulics/warranty

* Eaton Corporation refers to Eaton's Aurora, OH location which provides Synflex branded products.

Appendix A - Level 5

The following products carry a five year limited warranty from the warranty start date, which is the date of manufacture.

Product Line	Product	Series	Description
Eaton	Hose	EH049	ESP® Fuel Tubing
		EH089	ESP® Fuel Hose
		EH857†	API 1529 Fuel Hose†
Aeroquip*	Hose	2661	AQP – SAE100R4
		2807	Hose with Teflon® Smooth Bore
		2808	Hose with Teflon® Smooth Bore
		FC234	AQP – SAE100R5 - USCG/MMT, NMMA/BIA
		FC300	AQP – SAE100R5 Truck
		FC325	AQP – Multi Spiral
		FC332	AQP – Socketless - General Purpose
		FC350	AQP – Truck - FMVSS 106
		FC355	AQP – Truck - FMVSS 106
		FC363	Non-Conductive Convoluted Hose with Teflon®
		FC364	Conductive Convoluted Hose with Teflon®
		FC465	Conductive Hose with Teflon® Smooth Bore
		FC469	Conductive Hose with Teflon® Smooth Bore
		FC493	Conductive Hose with Teflon® Smooth Bore
		FC498	AQP – SAE100R6
		FC510	AQP – Hi-Pac - SAE100R16
		FC563	Non-Conductive Convoluted Hose with Teflon®
		FC606	Multi Spiral – SAE100R15
		FC650	AQP – Truck - Hi-Temperature Fuel & Oil
		FC699	AQP – Truck - Hi-Temperature Fuel
		FC735	Bruiser® – SAE100R16 Type S - EN857 Type 2SC
		FC736	Bruiser® – SAE100R12 - EN856 Type R12
		FC273B	Bruiser® – SAE100R13 - EN856 Type R13
		GH120	MatchMate® ICE – Low Temp. - SAE100R16
GH194	AQP – SAE100R1AT Type S - EN853 Type 1SN		
GH195	AQP – SAE100R2AT Type S - EN853 Type 2SN		
GH466	Multi-Spiral – SAE100R15 - 2 Million Flex Impulse Hose		
Weatherhead*	Hose	H039H	Hi-Temp – SAE100R4
		H145R	RhinoHide® II – SAE100R17
		H190H	WeatherBLAZE® – SAE100R1AT Type S - EN853 Type 1SN
		H243	Non-Conductive Hose with Teflon®
		H245L	WeatherFROST® – Low Temperture - SAE100R16
		H277	Conductive Hose with Teflon®
		H290H	WeatherBLAZE® – SAE100R2AT Type S - EN853 Type 2SN
		H332	CPE– General Low Purpose
		H430R	RhinoHide® II – SAE100R12 - EN 856 Type R12
		H569	AQP – SAE100R5 Truck
		H485	Multi Spiral – SAE100R15
Everflex*	Hose with Teflon®		S, B STW, SCTW 8000, 8500, Hi-pressure
Eaton	Carbon Steel and Stainless Steel Adapters		STC
			Code 61 – Flange
			Code 62 – Flange
			ORS
			SAE 37° (JIC)
			SAE 45°
			SAE ORB
			DKOL
			DKOS
			BSPP
			JIS
			ISO 6149
			NPTF/NPSM
			BSPT
	Tube-O		
Eaton	Couplings	FD14	Oil Pan Drain
		FD15	Oil Sampling Valve
		FD86	Low Spill High Impulse
		FD90	Diagnostic
Walterscheid	All Tube Fittings		All Metric Tube Fittings

† To coincide with API (American Petroleum Institute) regulations, EH857 hose is warranted for seven years from the date of manufacture.

Teflon® is a registered trademark of Dupont used under license by Eaton.

Appendix A - Level 3

The following products carry a three year limited warranty from the warranty start date, which is the date of manufacture.

Product Line	Product	Series	Description
Eaton Vickers Char-Lynn Hydro-Line Hydrokraft	Various	Various	All products except electric or electronic components, certain cylinders (See Level 1 of this document) and remanufactured pumps (2 years from date of remanufacture)
Integrated Hydraulics	Various	Various	All products except electric or electronic components. (See Level 1 of this document)
Aeroquip*	Hose	2681 2781 CR170 FC254 FC273 FC500 FC555 FC619 FC629 FC802 GH134 GH493 GH506 GH663 GH781 GH793 GH810	SAE100R1A – EN853 Type 1ST SAE100R2A – EN853 Type 2ST LPG – CGA Type III Multi Spiral – EN856 Type 4SH Multi Spiral – SAE 100R13 - EN856 Type R13 Multi Spiral – SAE100R13 Performance - EN856 Type R13 Performance A/C & Refrigeration (Factory Crimp Only) Hi-Temp SAE100R4 – 1/2 Bend Truck Airbrake – SAEJ1402 - FMVSS 106 A/C & Refrigeration – 100R5 Fittings A/C & Refrigeration – SAEJ2064 Type Class 1 MatchMate® Global – Multi Spiral - SAE100R12 - EN856 Type R12 Multi Spiral – EN856 Type 4SH MatchMate® Global – SAE100R1AT Type S - EN853 Type 1SN MatchMate® Global – SAE100R16 Type S - EN857 Type 2SC MatchMate® Global – SAE100R2AT Type S - EN853 Type 2SN Multi Spiral – ICE CHAMPION – Low Temp.
Weatherhead*	Hose	GH134W H039 H190 H213 H239 H280 H290 H429 H430 H464 H470 H471 H487 H545	A/C & Refrigeration – SAEJ2064 Type Class 1 Hi-Temp SAE100R4 – 1/2 Bend WeatherSHIELD® – SAE100R1AT Type S - EN853 Type 1SN CPE – Truck -SAEJ1402 Type AI DOT AI CPE – Truck -SAEJ1402 Type AII DOT AII WeatherSHIELD® – SAE100R16 Type S - EN857 Type 2SC WeatherSHIELD® – SAE100R2AT Type S - EN 853 Type 2SN CPE – Truck - SAEJ1019 WeatherSHIELD® – SAE100R12 - EN856 Type R12 Multi Spiral – EN856 Type 4SH Multi Spiral – SAE100R13 - EN856 Type R13 Multi Spiral – SAE100R13 Performance – EN856 Type 13 Performance Multi Spiral – WeatherFROST - Low Temp RhinoHide® – 3,000 psi Constant Pressure
Eaton*	Hose	All GH100	All Silicone Hose* Biofuels – Truck
Eaton* Synflex* Polyon*	Thermoplastic Hose* and Thermoplastic Tubing	Various	All thermoplastic hose and thermoplastic tubing products except Subsea hoses (2 years)
Eaton	Quick Disconnect Couplings	5100 5600 FD35 FD45 FD49 FD69	Low Spill Thread Together Industrial Interchange – Series A 10,000 psi Arc Latch Industrial Interchange – Series B HTMA Flush-Face Water Blast Arc Latch

Appendix A - Level 1

The following products carry a one year limited warranty from the warranty start date, which is the date of manufacture.

Product Line	Product	Series	Description
Eaton Vickers Char-Lynn Hydro-Line Integrated Hydraulics	Various	Various	Electric or Electronic Components
Hydrowa	Cylinders & Remanufactured Cylinders	XL	All Products
Eaton	Cylinders & Remanufactured Cylinders	XL	All Products
Aeroquip	High Performance Hose & Fittings	Various	FBA and StartLite® hose, and all aluminum crimp and reusable fittings
Aeroquip* Eaton Industrial Eaton Weatherhead*	Hose, Accessories & Connectors	Various	All other products not listed as Level 5 or Level 3 of this document

* The Limited Warranty shall not apply to any hose product offered for sale by Eaton which are used in conjunction with products not sold by Eaton. Additionally, the Limited Warranty shall not apply to any hose product or hose fitting offered for sale by Eaton that is assembled, crimped, mended or swaged using non-Eaton assembly machines, crimp dies or swage tooling. The preceding statements are not applicable towards thermoplastic tubing offered for sale by Eaton.

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