



**The most innovative
manufacturer of fluid
conveyance products
in the world.**

Over the years, Eaton has developed industry-leading innovative products such as the Quick Disconnect Coupling, the Reusable Fitting for hydraulic hose, Hi-Temperature AQP hose, Flexmaster, ORS (O-Ring Seal hydraulic fittings), Bruiser Abrasion Resistant Hose Cover for hydraulic hose and STC® (Snap-To-Connect Fittings). These are just a few of the trend-setting products that we have introduced.





A-MEFI-MC002-E

STC

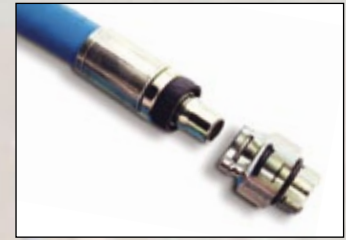
Snap-To-Connect Provides Leak-Free Connections in a Snap

The broadest range of threadless connectors in the industry!

Design Features

- Positive round-wire style latching mechanism
- Swivels for installation (in absence of pressure)
- Low-profile; compact design
- Elastomeric o-ring seal – available in many materials

Eaton's technology is extremely successful in various rigorous mobile applications.



Benefits:

- One-hand connections with no assembly tools allow easy access to confined areas
- Eliminates cross-threading, over or under torquing, and hose twisting
- Resists contamination
- Easy disconnection with release tool

Applications:

- Truck/bus platforms, construction and agricultural equipment

Specifications:

- Connections from 3/8" - 1"

Pressures:

- Up to 345 bar (5000 psi)



A-DIOV-TM002-E

Express Vans and Stores

Mobile Start-up and Operations

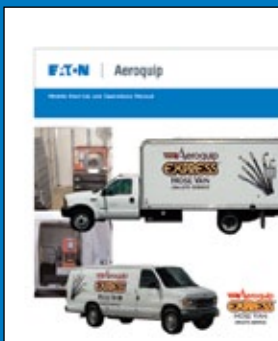
We Bring the Product To You!!

Downtime is a costly fact. The question is how long are you willing to wait to replace that blown hydraulic hose? With Eaton's Aeroquip Express that downtime can be significantly reduced.

Aeroquip Express is a program to assist you in getting the highest quality Aeroquip brand hydraulic hose and fittings in the least amount of time. Whether it is at one of our Aeroquip Express Hose Centers, or on-site from one of our Aeroquip Express



Hose Vans, you're guaranteed the highest quality product along with excellent service.



A-DIOV-TM003-E

Hose Cover Materials

Whatever your application, we've got you covered.

Ultra flexible neoprene – A proprietary blend of polymers that when compared to competitive standard covers, offer the ultimate in flexibility without sacrificing abrasion .

Abrasion resistant nitrile-pvc – Offering all of the advantages of high nitrile-content compounds with the improved abrasion resistance of pvc. Outstanding ozone, UV, chemical, fuel, and oil resistance. The performance of Eaton nitrile-pvc throughout the rated temperature range is second-to-none.

AQP – Eaton's premier high temperature, wide compatibility compound. AQP is in a class of its own.

BRUISER – Simply stated, the most abrasion resistant cover in the world. Eaton was the first hose manufacturer in the world to utilize a UHMW polymer for hose covers.

BRUISER

Abrasion-Resistant Polymer-Covered Hose

BRUISER hose was designed to work where hydraulic hose is subjected

to constant abuse and abrasion from:

- Hose-to-machine
- Hose-to-hose
- Hose-to-environment



Best Abrasion Resistant Hose in the Industry!

Features:

- Ultra-high molecular weight polyethylene outer covering material (same polymer as used on dump truck liners and snow ski bottoms)
- Slick and shiny appearance

Benefits:

- Highest abrasion resistance of any known polymer covered hose material
- The lower coefficient of friction surface promotes faster installation and routing thus lowers overall installation costs
- Lowers hose assembly costs by eliminating the need to install abrasion resistant sleeving
- Reduces costly downtime by preventing abrasion-related hose failures



A-HOAQ-MC001-E1



A-HOOV-MR001-E



A-HOMM-MC001-E

MatchMate Plus®

The 3 Minute Crimp Hose Assembly System.

With Eaton's Aeroquip MatchMate Plus crimp hose assembly system,

The process of matching and mating hose with fittings is greatly simplified with the new MatchMate Plus system.

Colored rings on the hose layline match the design and number of rings on its corresponding fitting type. The crimp machine "mates" the two parts through the use of color-coded dies.

you can make a factory-standard assembly in as few as three minutes... featuring a global fitting designs that's available worldwide.



When the mating procedure is complete, you have a perfect hose assembly. You benefit by reduced downtime, less scrap and minimal operator training.

Global Fittings

The MatchMate Plus crimp system features Eaton's new one-piece global fitting. You can select from a variety of Through-the-Cover (TTC)

fitting designs and global fittings which offer you higher standard pressures, cool-down leakage control, improved hose bend radii and worldwide availability.

Together, global products and MatchMate Plus bring you the 3 minute crimp hose assembly system. It's the simplest way to replace hydraulic hose assemblies.



A-MEFI-MC001-E

Global Spiral TTC Fittings

One-Piece Fittings

One-piece through-the-cover spiral hose fittings for easy assembly



Features:

- Through-the-cover crimp
- One-piece nipple design
- One-piece fitting
- Stress-relief design
- Heavy wall thickness
- Modern micro-alloy steel
- Tapered through-hole
- Global design
- Stenciled socket
- Operating pressure to 6000 psi

Benefits:

- Skiving not required, saves time in assembly
- Stronger design, no braze joints
- Easier to assemble
- Maximizes durability
- Heavy-duty construction for heavy-duty applications
- Maximizes fatigue life
- Improves flow characteristics
- Global availability

- Hose insertion depth
- Perfect for hydrostatic drives and other demanding applications
- Available in -12, -16, -20, -24 and -32
- Multiple configurations and jumpsizes to fit a wide array of applications

E-Z Clip™ System Connections Made Easy

The E-Z Clip System is designed for assembly with Aeroquip GH134 Multi-Refrigerant hose. Its engineered connection exceeds SAE J2064 and has been vibration and impulse tested.

Flexible hose lines offer many advantages over rigid tubing including routing ease, vibration absorption, sound deadening and the ability to accommodate movement of connected components.



Benefits:

- No guess work
- No leaking crimps
- No power supply needed
- As easy to use as a pair of pliers
- Easy to use in confined areas

GH134 Multi-Refrigerant Hose



Features:

- Internal polyamide veneer tube
- Synthetic-rubber backing layer
- Stabilized, synthetic braided reinforcement
- Chlorobutyl rubber cover
- E-Z Clip fittings

Benefits:

- Excellent effusion resistance
- Maximum resistance to moisture ingress
- Extended service performance
- Superior flexibility
- Assured coupling integrity, exceeds SAE J2064 performance

AQP Hose Long-Lasting

Eaton's AQP family of hose is scientifically superior to any hose on the market today.

Materially different, AQP hose is constructed with elastomeric materials - there's nothing quite like it!

An Eaton team of chemists and engineers made a major breakthrough with the development of AQP hose. Thousands of compounds were developed and discarded to reach the discovery of the scientifically superior AQP elastomeric material.

Years of laboratory testing and in-the-field performance verification have proven its unique superiority.

Prove it for yourself.

Features:

- Long-lasting service
- Extreme temperature range
- Fluid compatibility
- Versatility
- Reduces inventory
- Practically nonexistent shelf aging



A-HOAC-MC001-E



A-HOAO-MC001-E





M-HYOV-MR001-E3

System Supplier

Mobile and Industrial Hydraulics

Lift. Dig. Haul. Cut. Groove...day in and day out. This is the work of Eaton

Hydraulics products and systems. Engineered for reliable, continuous performance in the world's most demanding mobile and industrial applications.



Mobile Applications

Pumps, motors, valves, transmissions, cylinders, controls, hose and fittings, provide reliable performance in agricultural environments.

Construction

Eaton hydraulic components provide functionality and durability for construction applications.

Material Handling

Eaton hydraulic systems provide precise control and the solutions required for material handling use.

Utility

Eaton is the desired supplier of hydraulic components and hydraulic systems to a large range of utility vehicles.

Forestry

Eaton hydraulics are the reliable answer for control, power, and durability in forestry applications.

Mining

Eaton is the preferred choice for many of the auxiliary systems on mining equipment.



M-HYOV-MR001-E3

Training Knowledge is Power

And nowhere can your team strengthen its knowledge more than with Eaton

Fluid Power Training. Attendees can save their company significant costs by reducing unplanned downtime and maximizing the

effectiveness of planned downtime.



Each year, more than 2,500 people attend training at Eaton Fluid Power Training Centers in Eden Prairie, Minnesota, Maumee, Ohio, and Wehrheim, Germany, or through customized on-site programs worldwide. Our field and industry specialists combine 140 years of experience in fluid power and education, with the impressive legacy of Vickers and Aeroquip Training.

Our training team delivers valuable, practical insight about design, contamination and troubleshooting of hydraulic and pneumatic circuits. The Maumee facility is furnished with two fully equipped labs, which are complemented by two innovative classrooms for a thoroughly integrated learning experience. Eaton Fluid Power Training offers more than 15 top-line, hands-on courses for industrial and mobile applications

– with other programs and resource materials available for home study. Eaton Fluid Power Training is ideal for maintenance personnel, supervisors, engineers, and even purchasing agents.

For more information visit (www.eatonhydraulics.com/training) or call 800-413-8809 (US), or 49 (0)6081 103344 (Germany).