

High Performance QUICK DISCONNECT COUPLINGS

Why Use a Coupling?

Quick disconnect couplings save time and money

Maintenance: Service and maintenance become quick and easy.

Convenience: One-hand operation with an audible "click" that signals a secure connection.

Modularity: Attachments and accessories are easily connected or disconnected.

Safety: Couplings reduce or eliminate the potential for dangerous or messy spills.

Flexibility: Colder offers an extensive selection of materials and sizes.

Colder has designed thousands of solutions for unique coupling and fitting applications. We have a coupling to fit virtually any engine systems application and we're ready to work with you to solve your most critical fluid management problems.

Why Use a Colder Quick Disconnect Coupling?

Controlled performance connections

Traditional fittings used in engine systems can interfere with tubing mobility, and they have no shutoff valve, so they spill when disconnected. But, fluid line connection problems are now a thing of the past with Colder quick disconnect couplings.

Colder couplings lock into place with an audible "click," creating a secure, leak-free seal every time. Colder couplings also allow quick and easy one-handed disconnections by simply pressing the thumb latch. Colder quick disconnect couplings are the fastest and easiest way to service fluid lines in any engine system.

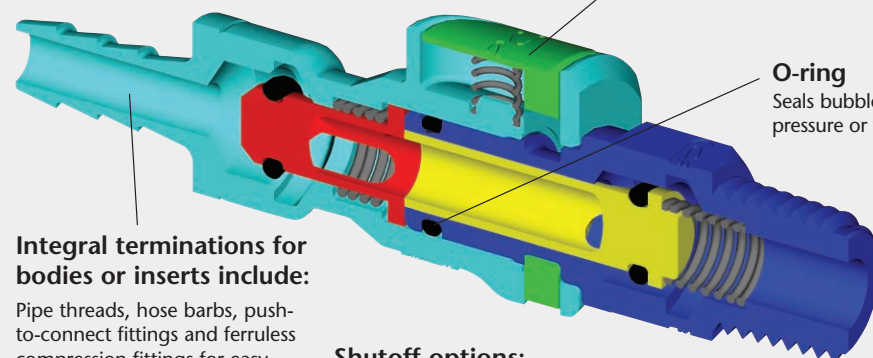
Tubing range: 1/16" to 3/4"

Push button thumb latch

One hand disconnect. Press thumb latch to disconnect coupling.

O-ring

Seals bubble tight in pressure or vacuum.



Integral terminations for bodies or inserts include:

Pipe threads, hose barbs, push-to-connect fittings and ferrules compression fittings for easy connection to semi-rigid plastic tubing from 1/16" to 3/4" and 3 mm to 19 mm ID.

Shutoff options:

Straight thru – open flow path with no valve

Single shutoff – valve in either the coupling insert or the coupling body

Double shutoff – valves in both the insert and the body of the coupling


Mounting options:

Colder couplings are available in pipe thread, panel mount, in-line or elbow configurations.



Markets:

- ATV
- Motorcycle
- Marine
- Fluid Recovery Recycling
- Construction
- Off-highway
- Motor Homes
- Lawn and Garden
- Portable Generators
- Snowmobiles
- Personal Watercraft
- Fuel Cells
- Removable Fuel Tanks

 BMW motorcycle engineers use Colder couplings to simplify fuel systems

BMW Motorcycle design engineers in Berlin needed to simplify fuel tank installation and routine service. The solution came from replacing traditional fittings and hose clamps with Colder PLC quick disconnect couplings that contain an integral double shutoff valve. The lightweight black plastic couplings are easy to use, provide assembly flexibility, enhance serviceability and help prevent the loss of fuel pressure in the Bosch electronic fuel injection system when disconnected. Fluorocarbon (FKM) o-rings ensure chemical compatibility and leak-free performance. Today, BMW motorcycle owners and service technicians all over the world appreciate the convenience and serviceability of Colder's one-hand, push button operated couplings.

MERCRUISER MerCruiser "connects" with Colder to speed manufacturing and servicing

Mercury MerCruiser, the industry-leading provider of marine sterndrive engines and inboards, turned to Colder's APC series of couplings to help reduce engine installation time. APC couplings enable quick, one-step connections between sterndrives and boat speedometers and gear tube reservoirs. The couplings replaced rubber hoses and clamps that made assembly laborious and time consuming. In addition, servicing personnel were able to easily drain seawater from the engine-cooling system before boat storage. Mercury MerCruiser's production staff also benefited from the Colder couplings because employees responsible for localized portions of engine assembly were able to reduce production time by 45 to 70 percent.

Cooling Lines

Oil Lines

Marine Washdown Systems

Flush Systems
(coolant & water)

Water Lines

Windshield Washer Systems

Tire Inflation

Fuel Lines

Gear Lube Lines

Flush and Fill Lines



Motorcycles



Marine



Fluid Recovery/Recycling



ATVs



Personal Watercraft



Motor Homes



Lawn and Garden



Portable Generators



Construction/Off-Highway



Snowmobiles



This is just a sample of couplings. Colder has over 4,000 products available, plus custom options. Contact us for more detail.

Custom Couplings

Colder's Application Engineering Group is dedicated to developing the highest quality custom coupling solutions for specific application needs. Colder's diverse product line is a great base for custom couplings, providing great flexibility and quality unmatched in the industry.

Colder offers the fastest turnaround time with its modular product design, on-site test lab and unique prototyping capabilities. Colder understands the importance of making the coupling operational as soon as possible for the manufacturer.

Manufacturers seek Colder custom couplings to lower production costs and allow their parts as well as the end product to run more efficiently. For example, Colder created one custom quick disconnect coupling to replace three separate parts that had combined to make one component for a motorcycle gas line. The single Colder custom coupling resulted in fewer leak points, reduced assembly time and lower cost. The new Colder coupling also reduced the overall weight of the vehicle, which was a key customer goal.

Colder custom couplings are the perfect fit when:

- Quick disconnect couplings make the product more useful.
- Specific coupling configurations outside standard offerings are needed.
- Unique requirements warrant custom solutions.

Visit us at
www.colder.com
or call toll-free
1-800-444-2474 for
a free catalog.



WARNING: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of Colder. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

WARRANTY: All sales are subject to Colder Products Company's limited express warranty set forth in the Colder catalog. Contact your local distributor or Colder Customer Service for warranty provisions.

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