

Swagelok Western NY Products



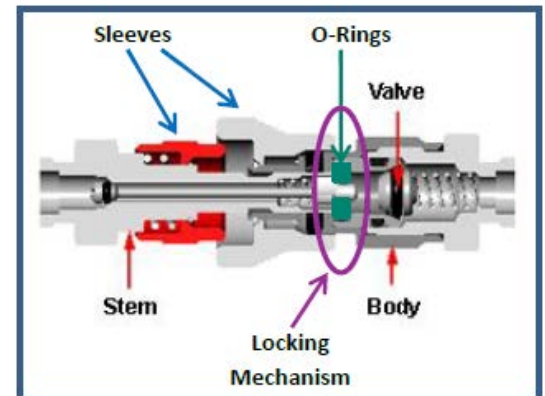
Quick Connects

Quick Connect Fitting - sometimes called "quick disconnect" is a coupling used to provide a fast make-or-break connection of fluid or gas lines. Operated by hand, quick connect fittings require no wrench.

Technical Specifications of QC Series Quick Connects

Components of Quick Connects

- A stem is inserted into the body, a seal is made. This opens a valve to the tubing.
- An O-ring creates a seal between the stem and body, this prevents leaking.
- The locking mechanism is manually or automatically engaged to lock the components together.
- Sleeves on the quick connect protect the connection from dirt.



Our quick connects use a push-pull operation which requires no twisting, turning, or wrenching.

Variables to Consider

Consider the following variables when choosing a quick connect that would be useful and safe for your operations:

- Flow Direction
- Type of Assembly
- Spillage
- Air Inclusion
- Pressure/ Temperature Rating
- System Fluid

Cautions

- Do not rotate the quick connects while they are coupled
- Do not insert foreign objects into the uncoupled bodies or stems

Best Practices

1. Use filtration ahead of quick connects, because quick connects often contain valves with seal materials that can be damaged by particulates in system fluids.
2. Use body and stem protectors or dust caps on uncoupled quick connect body and stems. Protectors and dust caps are available with lanyards.
3. Align bodies and stems when coupling and uncoupling
4. Support hanging hoses or other equipment to prevent side-load. Misalignment and side load are some of the most common causes of quick connect failures.
5. Re-lubricate stem seal O-rings or seals periodically, most Swagelok quick connects use either a Silicone or PTFE based lubricant.

