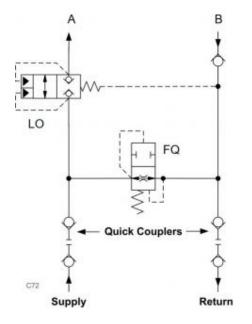


Quick Coupler Release Manifold

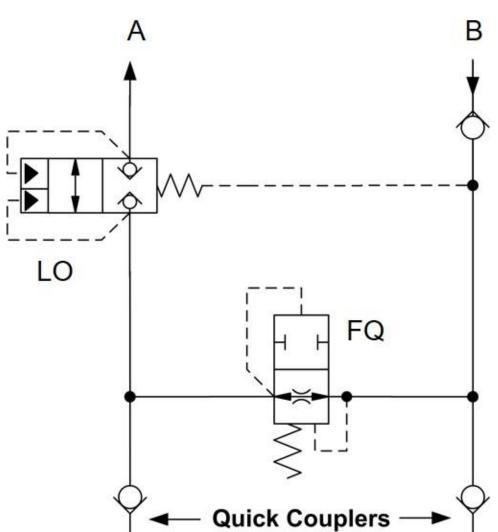
Machine: | Actuator: Pump | Function: Flow, Pressure

Prepared for : Prepared by :

Schematics



Summary



Return

Related Products

Cartridges

LOEC - Pilot-to-close, spring-biased closed, unbalanced poppet logic element with metering notches

FQCA - Fixed-orifice, flow fuse valve

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Supply

C72

The example shows a normally open logic element to block flow from supply to Port A before B is connected to return.

• Normally closed logic element: <u>LO*C</u>
• Fixed orifice, flow fuse valve: <u>FQCA</u>

Benefits of this circuit arrangement:

- When port A is connected, pressure builds up downstream of the flow fuse valve FQCA. The pressure blocks
 the logic valve preventing flow to Port A. After connecting port B to the return line, the pressure collapses
 and the logic valve fully opens.
- This circuit does not prevent ports A and B being connected to the incorrect line. This is normally addressed by using two different size quick couplers.
- The circuit also ensures that the return line is connected before port A sees pump pressure.

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