



# Double Redundant Directional Control Valves for Critical Applications



*Helps You Meet OSHA  
Mandated Standards for a  
Safer Hydraulic System*

# Helping You Design Greater Safety Into Your Product

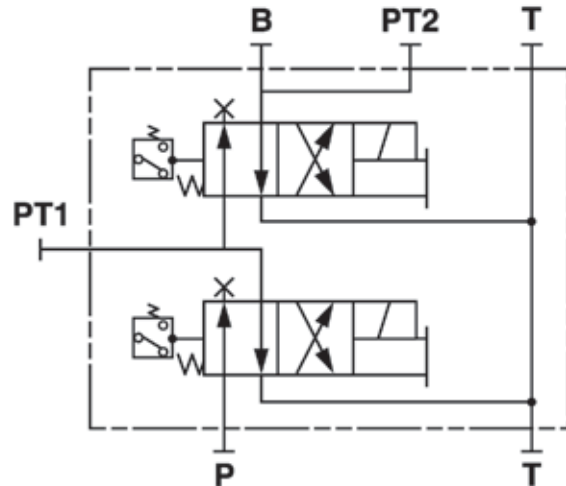
New OSHA regulations require double redundant monitoring in virtually all hydraulic systems. Only Continental Hydraulics offers an off-the-shelf double redundant directional control valve assembly that can help you meet the new regulations.

Double directional control valve redundancy means that if one critical valve fails, or your control circuit (i.e. light curtain) tells one of the valves to shut off, the machine or down-stream system will be disconnected from the pressure source. Any stored hydraulic pressure will be routed back to the tank. Your system monitoring equipment will alert you to the failure, so the system can be shut down gracefully, avoiding damage and injury.

These double redundant monitoring valve assemblies are equipped with two main spool position monitoring switches, and two pressure tap ports. This allows your control circuit to monitor the spool position, and whether pressure is rising or falling. This information can be used by the controls to help meet some of the new regulations, and help you design a better machine.

Continental Hydraulics Double Redundant Valve Assemblies are ideal for applications such as:

- Brick and Block Manufacturing
- Automotive Assembly Lines
- Machining Centers
- Crushing Boxes
- Compacting Refuse
- Missile Test Stations
- Recharging Systems in Critical Petro-Chemical/Energy Producing Applications
- Pulp and Paper Product Production
- Manufacturing Automobiles
- Positioning Precision Machine Tools
- Saw Mills
- Pouring Molten Steel



- Fish and Poultry Processing Plants
- Powering Dam Gates
- Motion Simulators
- Controlling Entertainment Rides

Continental Hydraulics Double Redundant Directional Control Valve Assemblies are available in D03 and D05 sizes, with flow rates from 1 to 20 GPM.

Don't be caught unprepared for the new regulations. Talk to your Continental Hydraulics Distributor now to learn why two valves are better than one.



Continental Hydraulics Division  
12520 Quentin Avenue South  
Savage, MN 55378 U.S.A.  
Phone: (952) 895-6400 Fax: (952) 895-6444  
[www.continentalhydraulics.com](http://www.continentalhydraulics.com)

Because Continental Hydraulics is continually improving its products, specifications and appearance are subject to change without notice.