

# Pilot Operated Directional Control Valves Getting Started

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## **Pilot Operated Directional Control Valves**

Parker's series of 3-way, pilot-operated directional control valves feature a strong design for maximum durability and performance that can operate with hydraulic system flows as high as 90 lpm and pressures up to 420 bar.

## **3 Way Pilot Operated Directional Control Valves | Parker NA**

The average solenoid-controlled, pilot-operated DCV has two or three sections plumbed together as a valve stack. Main Valve Section. The main valve section is what it's all about. This is the section that does the work of directing flow out to the system components.

## **Solenoid-Controlled, Pilot-Operated Directional Control Valves**

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Hydraulic Directional Control Valves. Parker offers the industry's largest selection of hydraulic directional control valves, known throughout the industry for their performance and reliability. Improve efficiency, increase safety and reduce downtime with Parker's direct operated proportional control valves, solenoid operated control valves, pilot operated valves, 2-way, 3-way and 4-way hydraulic control valves, mobile directional control valves, shut-off valves and many more.

### **Hydraulic Directional Control Valves, 3 Way, 4 Way, Pilot**

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The VSD\*M and VPD\*M pilot operated directional control valves are available with either electric solenoid or hydraulic actuation of the main spool. The valves are available in both 2 or 3 position and various spool flow patterns.

### **Directional Control Valves | Continental Hydraulics**

Sun offers two basic configurations of pilot-operated 3- and 4-way directional valves: Spring-centered 4-way, 3-position directional cartridges; Spring-biased 3-way, 2-position directional cartridges; Several spool options are available in each type. Pilot-shifted 3-way and 4-way proportional directional cartridges (models FT\*H and FT\*C)

### **Pilot-to-Shift Directional Valves and Proportional ...**

DG3V-8 models are single stage remote pilot operated directional control valves. These valves are generally used to control the direction of flow in a hydraulic circuit. This in turn would control the movement of a work cylinder or the rotation of a fluid motor.

### **Vickers Valves Pilot Operated Directional Valves**

Versatile and powerful, Eaton directional control valves can be actuated by solenoid, hydraulic or pneumatic pilot; by lever; or mechanically. Eaton DG valves feature three- or four-way directional control and are easily mountable on industry-standard surfaces. With thousands of models to suit all applications, we can supply an Eaton DG series directional valve that's a perfect fit.

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## **Directional control valves | Industrial hydraulic valves ...**

Pilot-operated and direct-acting 2- and 3-way cartridges use the same cavity Six-port pilot-operated cartridges 2-, 3- and 4-way solenoid cartridges with an industrial-grade solenoid High-pressure, 2-way, solenoid-operated poppet valves with flow capacities up to 120 gpm (480 L/min.)

## **Models | Sun Hydraulics**

These valves work for low-pressure circuits such as a bypass around a low-pressure filter or heat exchanger, or to maintain minimum pilot pressure for pilot-operated directional control valves. When the spring functions as a backpressure or relief valve, the symbol usually shows the spring as part of the symbol.

## **CHAPTER 10: Directional Control Valves, part 1 ...**

Most solenoid pilot-operated valves take air from the normal inlet port to operate the pilot section. If both inlet pressures are too low to operate the valve, plumb an external pilot supply from the main air system. When it is necessary to lock out one of two circuits while the other one operates, the hookup in Figure 8-29 works well.

## **BOOK 2, CHAPTER 8: Directional Control Valves | Hydraulics ...**

Directional spool valves, pilot operated, with mechanical-hydraulic actuation (roller plunger, rotated 90°)

## **Pilot-operated | Bosch Rexroth AG**

A direct acting valve has only a small flow circuit, shown within section E of this diagram (this section is mentioned below as a pilot valve). In this example, a diaphragm piloted valve multiplies this small pilot flow, by using it to control the flow through a much larger orifice.

## **How Pilot operated Solenoid Valve Works ...**

Single-Action Air-Operated Air Directional Control Valves These valves create one action, such as extending a cylinder. Also known as 3/2 or pilot valves, they use an air signal to actuate, so they're good for environments where electrical use may be

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dangerous.

## **Pilot Valves | McMaster-Carr**

Pilot operated directional control valves. C-552/C-572

Mechanically or manually operated directional control valves .

DG/T\*M2 Mechanically or manually operated directional control

valves . DG20S-3 Mechanically operated directional control

valves . DG2S\*-01

## **Directional Control Valves | TOKYO KEIKI U.S.A., INC.**

Seven Ocean Hydraulics' DG10 directional control valves are high-performing solenoid controlled pilot operated, two-staged, 4-way valves, available in 2 or 3 position styles and are manifold mounted. These valves conform to CETOP-10, DIN NG32 and NFPA-D10 mounting patterns.

## **CETOP 10 Solenoid Controlled Pilot Operated Directional Valves**

General Description DG3V-8 models are single stage remote pilot operated directional control valves. These valves are generally used to control the direction of flow in a hydraulic circuit. This in turn would control the movement of a work cylinder or the rotation of a fluid motor.

## **Pilot Operated Directional Valves**

Directional valves type WEH are solenoid operated directional spool valves. They control the start, stop, and direction of a flow. These pilot operated directional valves consist of a pilot control valve and main stage with spring or hydraulic centering options. Additionally, the pilot and drain configuration may be selected.

## **4WEH - Directional Spool Valves, pilot operated with ...**

Lexair Hi-Cyclic Pilot Operated Directional Control Valves. Lexair

Hi-Cyclic Mechanically Operated Directional Control Valves.

Lexair Hi-Cyclic Direct Solenoid Operated Directional Control

Valves. Microtorque Valves. Position Indicator for Series II Valve.

Prince Loader Valves.

## **Valves - Womack Machine Supply Company**

Continental Hydraulics offers directional control valves with air

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pilot actuation, hydraulic pilot actuation and lever actuation. These valves conform to NFPA D03 and ISO 4401 mounting standards. They are available in both 3 way and 4 way styles.

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