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## Proportional Valve Vickers

### **Proportional Valve Vickers Hydraulics Manual**

The proportional pilot control stage is a Vickers type KCG-3 valve, described in catalog 2162. KACG-3 The addition of an integral amplifier allows the pressure to be controlled from a 0 to +10V, or 0 to -10V command signal range.

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Pressure Relief ...**

General Description  
Vickers proportional valves shown in this catalog are suitable for working pressures up to 350 bar (5070 psi) and flow rates up to 300 L/min (79 US gpm). They are designed to provide a controlled oil flow in proportion to a command signal, with spool position feedback

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to provide accurate speed control.

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### **VICKERS**

### **Proportional Valves - Vickers Hydraulics**

#### General Description

These two-stage pressure reducing valves (based on Vickers type X(C)G2V valves, featured in catalog 2321) incorporate an electro-hydraulic proportional pressure pilot stage (Vickers type KCG-3

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valve, described in catalog 2162) by which the reduced pressure setting is adjustable in response to an electrical input.

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### **Proportional Valves**

General Description  
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Vickers® K(B)FD/ TG4V proportional valves are designed to provide a controlled oil flow in direct proportion to a command signal. They



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are available in two types; a double solenoid version that will provide reversible flow to an actuator and a single solenoid throttle version that provides a single direction of flow.

### **Vickers Proportional Valves Proportional Directional ...**

Vickers KDG5V-5/7/8/10 are solenoid operated directional control non-

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feedback type proportional valves. Two-stage proportional directional control valves in which the main-stage spool is positioned according to the output from an integrally mounted proportional, solenoid-operated, pressure-reducing valve.

## **Proportional Directional Control Valves**

General Description

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Vickers proportional valves shown in this catalog are designed to provide a controlled oil flow in direct proportion to a command signal. They are available in two types; a double solenoid version that will provide reversible flow to an actuator and a single solenoid throttle version that provides a single direction of flow.

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KBDG5V-5/7/8/10 are solenoid operated directional control, non-feedback type proportional valves .

These are two-stage proportional directional control valves in which the main-stage spool is positioned according to the output from an integrally mounted proportional

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pressure-reducing  
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directional control  
valves two-stage  
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We offer an incredible depth of proportional valves with a variety of features, flow rates and performance levels to meet customer demands in industrial and mobile applications. Eaton

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Vickers proportional directional valves can help you: Reduce commissioning time through plug-and-play functionality; Reduce labor time and costs by minimizing wiring

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Parts, Service and  
Repair KBFDG5V-57810  
Series Proportional two-  
stage directional  
valves high  
performance with main  
stage spool feedback  
Pressures to 350 bar  
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**Literature | Eaton**  
**PowerSource**

This Manual is a step  
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## Proportional Valve

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by step guide for set up and commissioning of the AxisPro proportional valve series. It contains an overview of the valves main features and benefits. As the valve can be used as an integral part of a larger control system/application it is not possible to cover all possible uses/operations in this manual.

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**Eaton Servo-  
Performance Manual  
Proportional  
Directional Valve ...**

This operation manual is valid for proportional pressure valves

RE06M\*T / RE\*M\*T / RE\*R\*T / RE\*E\*T / R4V / R5V / R6V series. Any different or beyond it usage is deemed to be as not intended. The manufacturer is not liable for warranty claims resulting from this.

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solenoid operated  
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offer high dynamic  
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enables them to be  
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Proportional throttle valve in a meter-in circuit on the pump line — for smooth acceleration, deceleration, and speed control. The proportional throttle valve in Figure 14-12 meters flow out of the tank line of a standard solenoid valve. This circuit is good for over-running loads because it meters fluid from the cylinder.

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range of proportional  
valves: pressure  
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directional, explosion-  
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available with or  
without on-board  
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Proportional Valves  
Pressure Relief Valves  
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pressure relief valve  
that offer extensive  
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through their ability to  
control the pressure  
setting in proportion to  
an applied electrical  
input up to a pressure

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adjustable and  
lockable. 400 l/min  
Max pressure 350 bar

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