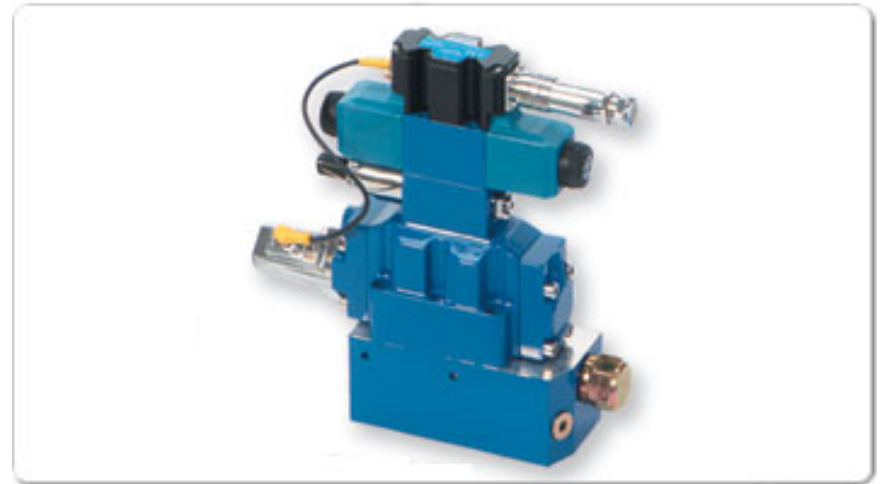


# Hydraulic Control Valves





**Sauer-Danfoss-Daikin** Valves meet literally any need. Sauer-Danfoss-Daikin Valves are used in practically any type of machine from road building, construction machinery to agriculture and forestry equipment.

### **PVG Proportional Valves**

PVG proportional valves are a modular concept which enable bankable sections to perform many individual tasks. One valve group might contain up to ten sections, each featuring load independent flow control that operates on the load sensing principle. Flow up to 240 l/min per section and pressure up to 400 bar is available.

#### **Electronic features:**

- Infinite flow regulation
- Flow adjustment to limit the max. oil flow by up to 75%
- Ramp generator for soft start/stop of movements
- Flow rate control proportional to an external speed signal
- Alarm logic for monitoring up to eight functions
- Position control
- Integrated directional indicator
- Fault monitoring
- Fault signal.

#### **The advantages of the Sauer-Danfoss-Daikin concept include:**

- The possibility of implementing intelligent control functions
- Components for flexible systems
- Communication via the CAN bus
- Reduced wiring
- Programmable control system
- Diagnostics
- EMC immunity ensures high safety with regard to electro-magnetic compatibility

## PVG 32 Proportional Valve

Sauer-Danfoss-Daikin is a comprehensive supplier of mobile system solutions. PVG 32 is a hydraulic load sensing valve designed to give maximum flexibility. From a simple load sensing directional valve, to an advanced electrically controlled load-independent proportional valve.

The PVG 32 module system makes it possible to build up a valve group to meet requirements precisely. The compact external dimensions of the valve remain unchanged whatever combination is specified.

### PVG 32 General features

- Load-independent flow control:
  - Oil flow to an individual function is independent of the load pressure of this function.
  - Oil flow to one function is independent of the load pressure of other functions.
- Good regulation characteristics.
- Energy-saving.
- Up to 10 basic modules per valve group.
- Several types of connection threads.
- Low weight.



## PVG 120 Proportional Valve

PVG 120 is Load Sensing Proportional Valve. It is a combined directional and flow control valve which is supplied as a valve group consisting of modules specified to match particular customer needs. The flexible nature of this valve will allow an existing valve bank to be easily adapted to suit changes in requirements.

### PVG 120 General Features

- Load-independent flow control:
  - Oil flow to an individual function is independent of the load of this function
  - Oil flow to one function is independent of the load pressure of other functions
- Good regulation characteristics
- Central pilot supply built in when the valves are actuated electro-hydraulically
- Energy-saving
- Up to eight basic modules per valve group





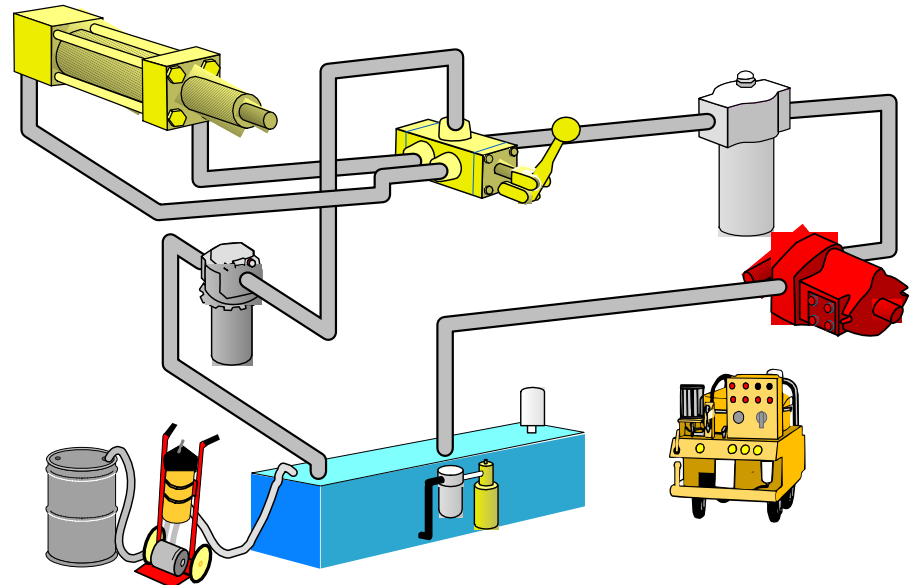
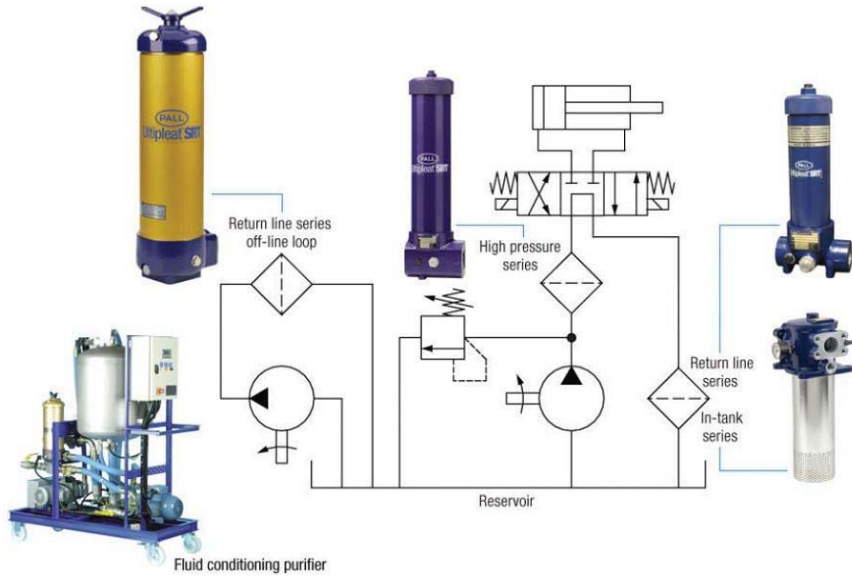
Eaton Fluid Power manufacture a range of Hydraulic Control Valves including Industrial, Mobile, Screw In Cartridge and Servo Control Valves.

Vickers®, one of the most experienced and respected names in hydraulics, became part of Eaton in 1999. A comprehensive supplier of power and motion control components and systems, Vickers Valves and Electro-Hydraulic controls are found in industrial, mobile, aerospace, marine and defense applications worldwide.



Eaton manufactures many original, high-quality hydraulic products under the Eaton® name. These Eaton products have earned a worldwide reputation for engineering excellence and outstanding performance, primarily in heavy-duty mobile equipment applications, as well as other application markets.







***“Your Fluid Power, Filtration & Lubrication Engineers.”***