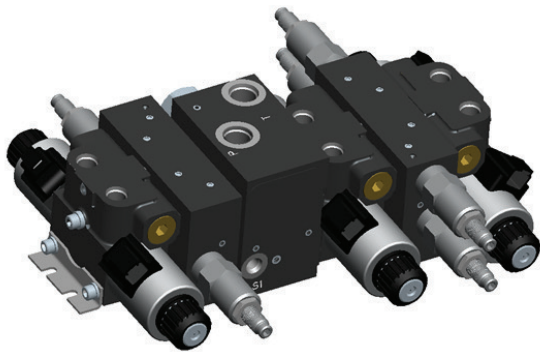


Vickers® by Danfoss

DMV Directional Mobile Valve



Proportional directional valve solution for mobile applications

The DMV directional control valve is a sectional valve based on the proven Vickers by Danfoss KDG4V-3 high performance valve design, for control of velocity, direction, and acceleration or deceleration in mobile applications. The DMV has direct-acting electric solenoid control for spool position and a closed-center, parallel or series circuit design that can also function as an open-center circuit by utilizing unloading inlet options.

Versatile, modular design

The DMV valve offers versatility and flexibility through a sectional design, enabling you to configure a valve from a variety of modules to create the perfect solution for your application. Use up to six sections (or twelve sections*) per bank assembly to create custom, multi-functional circuits through optional banking functions such as inlet and work port options. In addition, auxiliary manifold blocks can be included in the stack as circuit needs arise, and the valve sections can themselves be added to larger, more complex manifold blocks to provide directional control.

* Depends upon intermediate module configurations

Features

- Provides load sense and PO check capability for closed and open circuit solutions
- The fully encapsulated solenoid coils are impervious to common industrial fluids. Coils can be removed and replaced quickly and easily
- Working sections are NFPA fatigue rated at 300 bar (4350 psi) for improved reliability and performance
- Add features to sections to create perfect solution, including: Service line reliefs, load sensing checks, pilot operated checks, inlet pressure compensation cartridge valves.
- Ability to provide various voltage control and connection options. IP65/67 coils ratings, dependent upon connection.
- The ON/OFF soft shift feature is also available to provide smoother control of actuator acceleration and deceleration than is possible with conventional solenoid valves. The result is minimum hydraulic shock, more reliable systems with longer component life and less downtime.

Specifications

- Pressure – Up to 300 BAR (4350 psi) service
- Flow – Up to 60 LPM (15 gpm)
- Sections – Up to 6 sections with inlet module and 12 with auxiliary modules.

Applications

- Aerial work platforms
- Mini-excavators
- Lawn tractors
- Backhoes
- Telehandlers
- Material handling equipment

