

## Data Sheet

# Electro hydraulic steering EH-valve

**Hands-Off Automatic Steering**

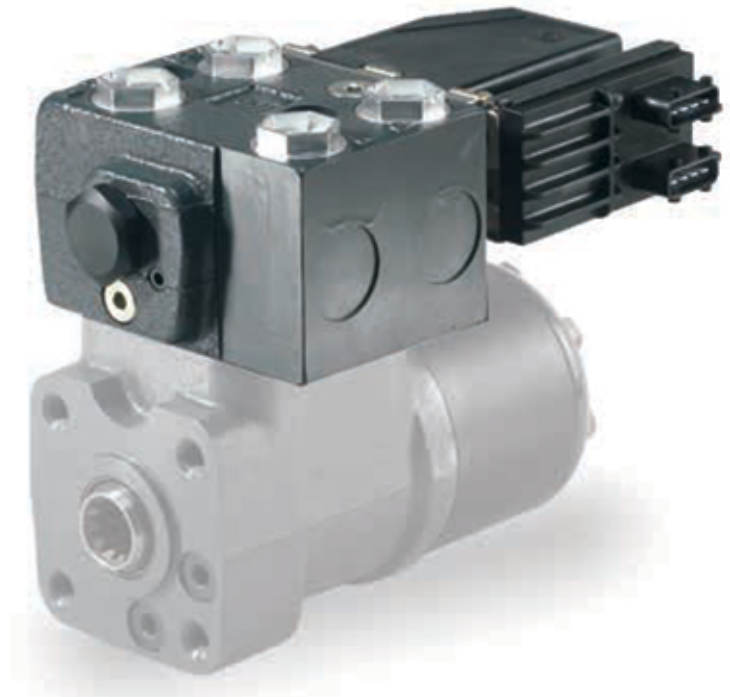
The EH-valve makes it easy to design an auto-matic steering system for off-road vehicles such as tractors, harvesters and wheel loaders etc.

The EH-valve is designed for use in LS-steering systems, for the compact solution flanged on the Danfoss steering-unit as well as an in-line version if reasons of space requires. The design of the EH-valve is based on the technology from our well-known PVG proportional valves.

The EH-valve is normally used in load sensing systems with S-D's OSPC LS or OSPF LS steering units including pressure protection valves

**Features**

- Automatic steering
- Embedded steering software
- High steering accuracy
- Flanged to the steering unit or in-line mounted
- Compact design
- Low system costs
- Easy access to after market sales



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Comprehensive technical literature online  
at [powersolutions.danfoss.com](http://powersolutions.danfoss.com)

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Electro Hydraulic Steering (for automatic steering) is used by special applications, such as Agriculture, Construction, Road building, Material handling etc. and features

- steering by an electrical signal (Joystick, GPS, or row sensor etc.).
- automatic steering with embedded safety critical steering software.

#### Technical data

|                                                           |                                 |                                                 |
|-----------------------------------------------------------|---------------------------------|-------------------------------------------------|
| <b>Valve housing<br/>Standard<br/>connections</b>         | P, T, L and R:                  | M18 x 1.5 (3/4 - 16 UNF)                        |
|                                                           | LS:                             | M12 x 1.5 (7/16 - 20 UNF)                       |
| <b>Spools<br/>standard sizes</b>                          | Steered flow:                   | 12, 20, 40 l/min [3.17, 5.28, 10.57 US gal/min] |
| <b>Pressures</b>                                          | P, L/R and LS ports:            | 210 bar [3045 psi]                              |
|                                                           | T port:                         | 25 bar [363 psi]                                |
| <b>Electrical<br/>actuator (PVES-<br/>SV)<sup>1</sup></b> | Supply voltage $V_{bat}$ range: | 9 - 32 V                                        |
|                                                           | Power consumption:              | 7 W                                             |
|                                                           | Grade of enclosure:             | IP66                                            |

<sup>1</sup> See also: PVE Technical Information

#### Dimensions

