

Data Sheet

Electro hydraulic steering EH-valve

Hands-Off Automatic Steering

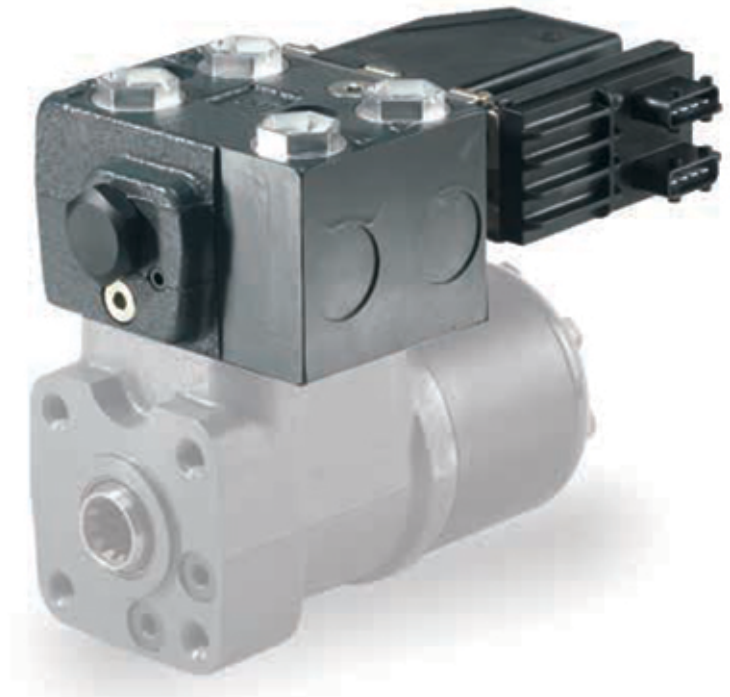
The EH-valve makes it easy to design an auto-matic steering system for off-road vehicles such as tractors, harvesters and wheel loaders etc.

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



Comprehensive technical literature online
at powersolutions.danfoss.com

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

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

¹ See also: PVE Technical Information

Dimensions

