

## Electro hydraulic steering EH-valve

### **HANDS-OFF AUTOMATIC STEERING**

The EH-valve makes it easy to design an automatic 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 Sauer-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.

The new EH-valve offers the following features:



F301060

### **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

**Electro Hydraulic Steering (for automatic steering) is used by special applications:  
Agriculture, Construction, Road building, Material handling etc.**

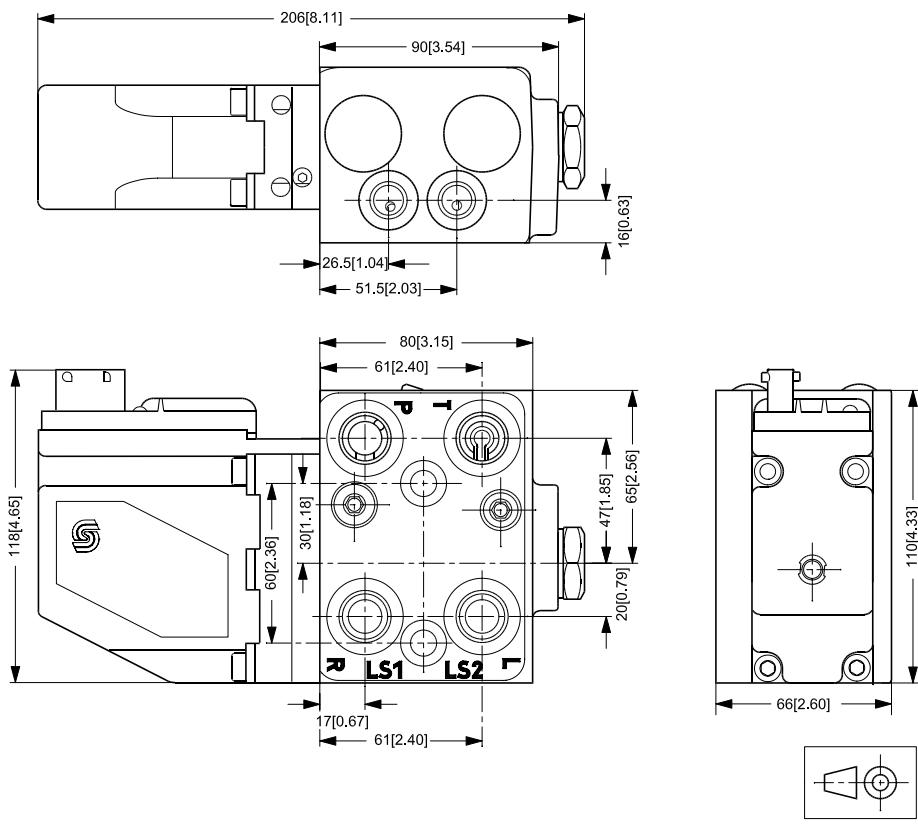
**Features:**

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

**Technical Data**

Valve housing	P, T, L and R:	M18 x 1.5 (3/4 - 16 UNF)
Standard connections	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)	Supply voltage $V_{bat}$ range:	9 - 32 V
	Power consumption.	7 W
	Grade of enclosure:	IP66
	(See also: PVE Technical Information)	

**Dimensions**



LS1 is for an external priority valve.  
LS2 is for diagnostic purposes.