

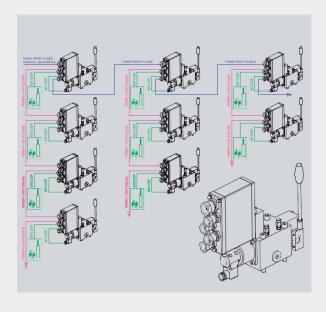
## **OPAT**

### ON-BOARD PROFIBUS ATEX TWINSOLENOID



Proportional directional spool valve with onboard-electronics

# Profibus and ATEX/IECEX approval. Proportional directional spool valve with on-board electronic.



Basic type PSL(F)/PSV(F), 3, 5, 7

Nomenclature Prop.-directional spool valve acc. to

the Load-Sensing principle

Operation

pressure 420 bar

Plow rate

Qmax consumer 0 - 500 lpm

Version Sandwich and manifold mounting

valve

Protocol Profibus DP

The new Servi integreated digital electronic control for Hawe's PSL(F)/PSV(F) proportional valve is designed for operation in hazardous areas, and operates by Process Field Bus (PROFIBUS), analogue command or manual hand lever.

The system is specially designed for offshore and marine applications and is available in three sizes (size 3, 5 and 7) as well as for both manifold and valve bank design.

#### Features and benefits:

- ATEX equipment directive 94/9EC category 2/3, T4
- Profibus DP with data rates up to 12 Mbaud (Autodetect)
- Standard RS485 Profibus interface
- Analogue command input: 4-20mA / 0-10V
- Possible for controlling up to eight sub-modules
- Manual override by hand lever
- Ambient operating temperature: -40°C to 55°C
- 24 VDC supply voltage
- Protection class: IP 67

- Option for internal closed loop function for spool position
- Option for external closed loop funtion, i.e. cylinder or motor feed-back
- All machined steel/aluminium materials w/corrosion-inhibiting surfaces
- Operation pressure Pmax = 420 bar
- Flow capacity: Up to 500 lpm for single section, and 1000 lpm for dual section.
- For fixed or variable pumps

#### Additional information related to this topic:

- Proportional directional spool valve banks size 3, type PSL, PSV and PSM
- Proportional directional spool valve banks size 5, type PSL, PSV and PSM
- Proportional directional spool valve banks via sub-plates size 3,5 and 7, type PSLF and PSVF

D 7700-3

D 7700-5

D 7700 F, D 7700 7F

Digital amplifiers, DIN rail or Eurocard format, for open and closed loop, Profibus compatible HCS (Hydraulic Control Systems Gmbh)

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