

Smart Solution

BUCHER
hydraulics

LS8S

Proportional Valve with Stepper Motor Control

Our high-performance LS8S family of valves has a new member, the LS8S **stepper motor controlled** proportional valve. The LS8S is a smart actuator that communicates via J1939 CAN and can run self-diagnostics. The unique control mechanism has near-zero hysteresis, high shift speeds, lower power consumption, and excellent repeatability. This high-performance valve will integrate very well into today's advanced machinery.



Applications

- Agriculture
- Construction
- Material Handling
- Municipal



Product Information

- Compact valve
- Combinable with all other L.8S-Valves
- Floating position over spool possible
- Machine performance level D reachable

Technical Data

Environmental temperature -25°C until +50°C	CAN-Protocol SAE J1939 with diagnostic capability
12 Volt supply 10.8 V - 16 V, at 9 V - 10.8 V reduced power in speed and acceleration	Consumer flow up to 80 l/min
24 Volt supply 20 V - 33 V, at 16 V - 20 V reduced power in speed and acceleration	60 l/min with individual pre-compensator
Operating current in neutral position and working position 0.6 A	80 l/min without individual compensator
Maximum current (at spool movement) 2.5 A	Tank pressure resistance until 210 bar
Enclosure protection IP6K9K (EN60529)	Available consumer ports: M18x1.5, M22x1.5, ¼"-16 UNF 2B
Plug type Delphi Metri Pack 150.2	Spool leakage 8-30 cm ³ @100 bar



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