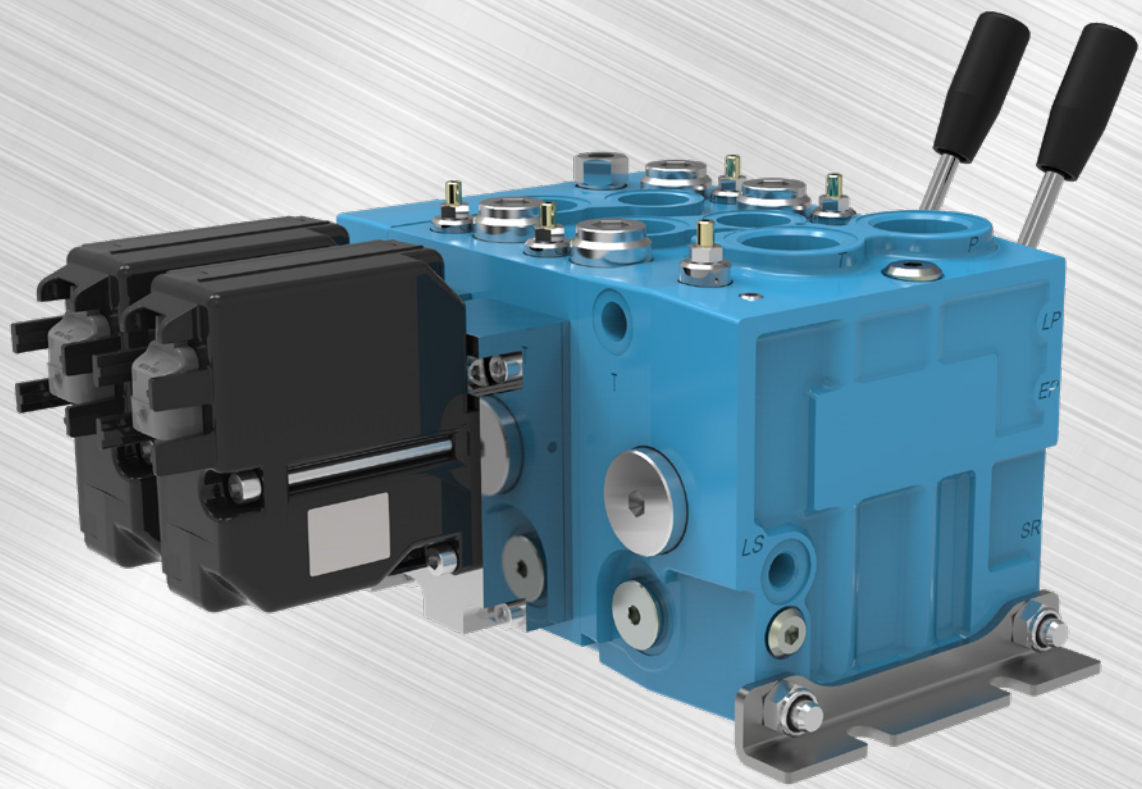
DANA BREVINI® Motion Systems

HPV41 & HPV77

Electromechanically Operated MSB module

Stepper motor with integrated CAN BUS J1939 electronic card



New
Another Innovation from Dana

*Designed to deliver extremely **precise spool stroke control**. The Electromechanical unit allows the actuation of HEM working sections of pre-compensated Brevini valves HPV41 & HPV77.*

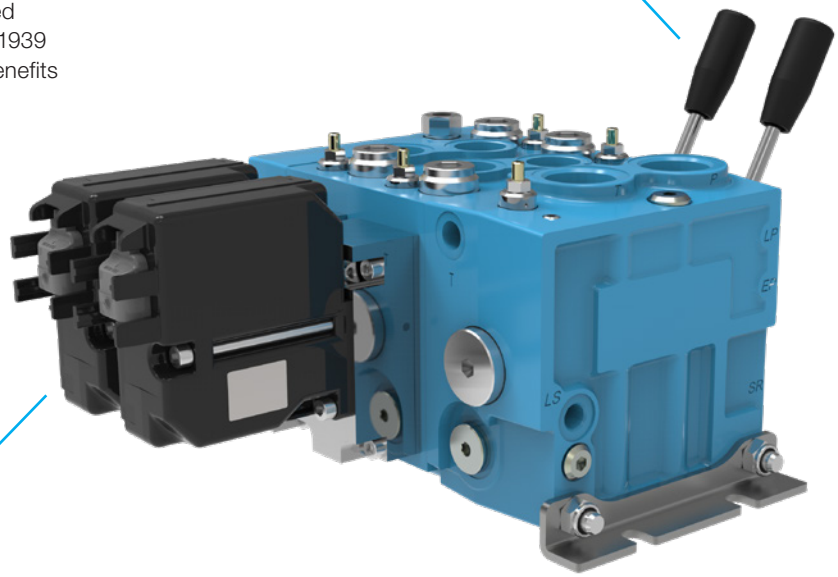
HPV41 & HPV77
Electromechanically Operated MSB module

The MSB is an electromechanical unit which allows the actuation of HEM working sections of pre-compensated Brevini® HPV41 and HPV77 main valves.
The MSB module includes a stepper motor, an integrated electronic card that communicates through CAN BUS J1939 and a closed loop diagnostic system, offering several benefits compared to the standard electrohydraulic modules.

MANUAL CONTROL FOR EMERGENCY USE

CAN BUS J1939

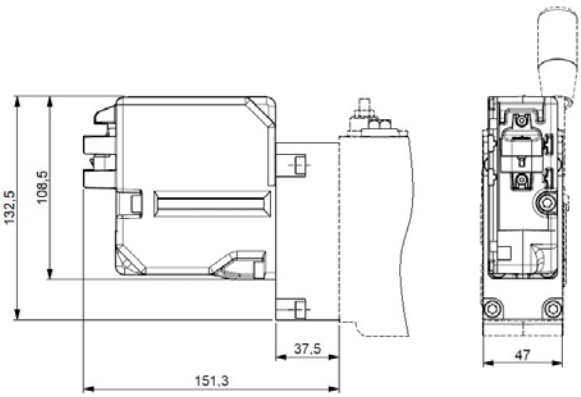
PRECISE SPOOL CONTROL



Additional Features and Benefits

- MSB module does not require a low pressure circuit to operate
- Extremely precise spool stroke control, without hysteresis
- Spool control is independent from main valve working conditions
- No vibration thanks to the mechanical connection driving the spool
- Spool monitoring for Safety function thanks to CAN communication
- Closed loop on board diagnostic

Technical Data	
Voltage range	10 - 30 V
Operating current	2.6 A
Current draw with spool in neutral position	130 mA
Duty cycle	100%
Control protocol	CAN BUS J1939
Spool speed	80 mm/s
Spool stroke resolution	0.028 mm
Connector	Delphi Metri Pack 150.2
Protection class	IP6k7
Ambient operating temperature	-40°C/+85°C [-104°F/+185°F]



Note: Not available on HPV310

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Application Policy
Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.

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