ENGINEERING TOMORROW

Data Sheet

Basic module
PVBZ

The PVG 32 valve was originally launched on the market in 1988 with a range of high performance electrical actuators. In the late nineties, the program was extended to also include new features such as low leak ports, special inlet sections and special electrohydraulic actuator options.

The special PVBZ load compensated module was developed for applications, where integrated pilot operated check valves in the work ports are required to limit the port leakage down to zero (below 1cc per minute).

The new PVBZ basic module can be mixed with basic modules PVB (with additional tank line T0) and offers the following features.

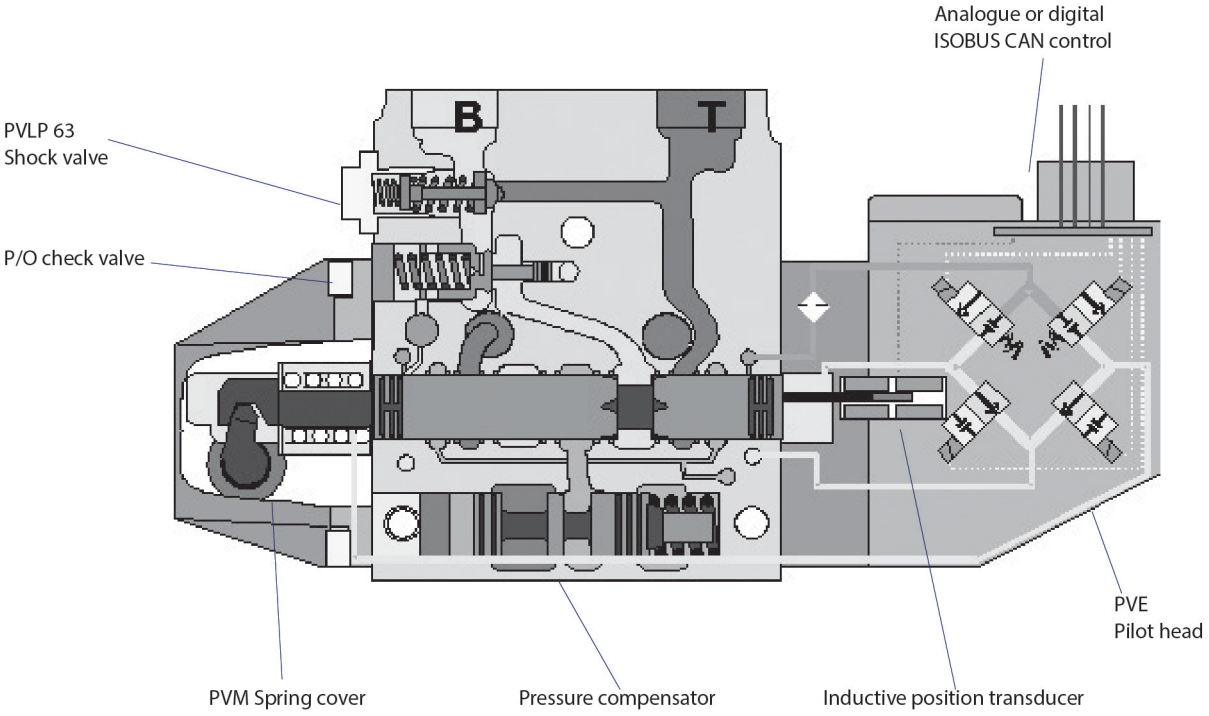


Features

- Zero leakage work ports
- Standard 4/3 spools
- Standard 4/4 float spools
- Special spools on request
- Integrated Thermo relief valve (option)

Comprehensive technical literature online at *powersolutions.danfoss.com*

PVG-32 Tractor Valve Module



Max. pressure	Port P continuous	250 bar	[3625 psi]
	Port A/B	280 bar	[4061 psi]
	Port T, static/dynamic	25 bar/40 bar	[365/580 psi]
Oil flow, rated	Port P	140/230 l/min	[37/61 US gal/min]
	Port A/B with press. comp.	100 l/min	[26.4 US gal/min]
	Port A/B without press. comp.	125 l/min	[33 US gal/min]
Spool travel, standard		± 7 mm	[±0.28 in]
Spool travel, float position spool	Proportional range	± 5.5 mm	[±0.22 in]
	Float position	7.5 mm	[±0.30 in]
Dead band, flow control spool	Standard	± 0.8 mm	[±0.03 in]
Max. internal leakage at 150 bar [2175 psi] and 21 mm^2/s [102 SUS]	A/B to T	1 cm^3/min	[0.06 in^3/min]
Oil temperature (inlet temperature)	Recommended temperature	30 to 60°C	[86 to 140°F]
	Min. temperature	-30°C	[–22°F]
	Max. temperature	+90°C	[194°F]
Ambient temperature		-30 to +60°C	[–22 to +140°F]
Oil viscosity	Operating range	12 - 75 mm^2/s	[65 - 347 SUS]
	Min. viscosity	4 mm^2/s	[39 SUS]
	Max. viscosity	460 mm^2/s	[2128 SUS]
Filtration	Max. contamination (ISO 4406)	19/16	19/16

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