

## PVB 128 Variant Overview

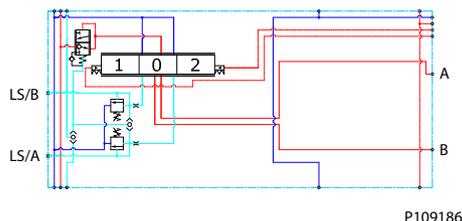
### PVB 128 3-way Compensator with LS A/B

The compensated PVB is intended for controlling a work function where the function behavior in terms of flow and pressures requires independency on the load pressure of other functions used simultaneously.

The integrated LSA/B relief valves are used to limit the maximum work port pressure on the A and B-ports individually.

The compensator is a 3-way type which include load drop check valve functionality, compensator function and neutral relief which avoid A and B port pressure build up in neutral.

#### Schematic



#### Technical data

Max. rated pressure	A/B port continuous	350 bar	[5076 psi]
	A/B port intermittent	400	[5800 psi]
Max. rated flow*	A/B port	250 l/min	[66 US gal/min]
Oil temperature	Recommended	30 to 60°C	[86 to 140°F]
	Minimum	-30°C	[-22°F]
	Maximum	90°	[194°F]
Ambient temperature	Recommended	-30 to 60°C	[-22 to 140°F]
Oil viscosity	Operating range	12 to 75 mm <sup>2</sup> /s	[65 to 347 SUS]
	Minimum	4 mm <sup>2</sup> /s	[39 SUS]
	Maximum	460 mm <sup>2</sup> /s	[2128 SUS]
Oil contamination according to ISO 4406	Maximum	23/19/16	
Max. internal leakage at 100 bar [1450 psi] and 21 mm <sup>2</sup> /s [102 SUS]	A/B→T without shock valve	70 cm <sup>3</sup> /min	[4.27 in <sup>3</sup> /min]
	A/B→T with shock valve	80 cm <sup>3</sup> /min	[4.88 in <sup>3</sup> /min]

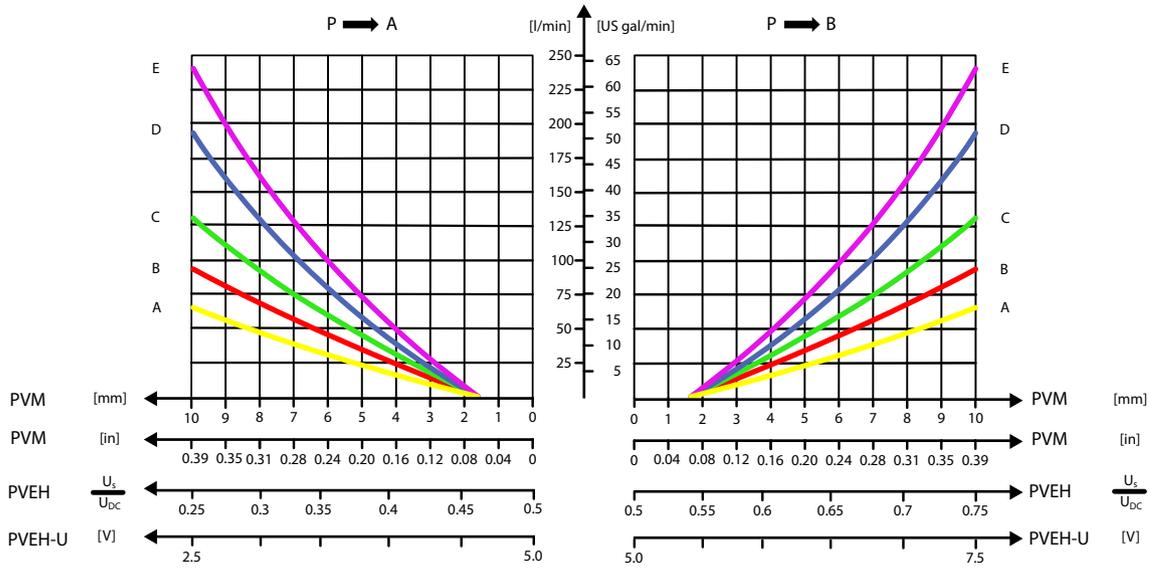
\* Rated flow at 15 bar margin pressure

#### Part numbers for Compensated PVB with LS A/B

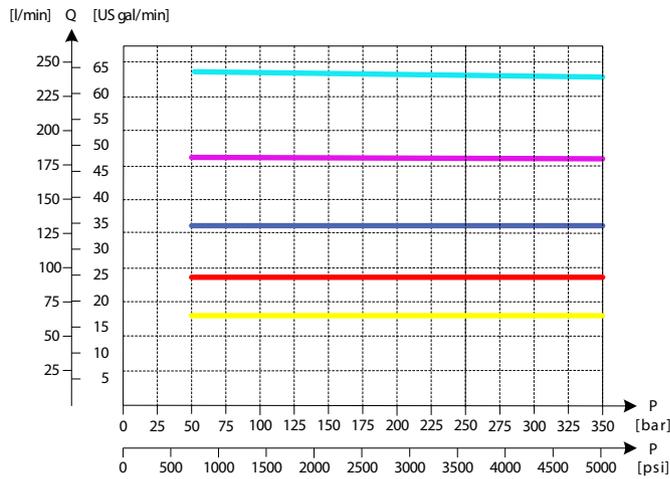
Part number	A/B-port	PVLP/PVLA	LS A/B-port
11176915	Metric Flange 3/4"	-	G1/4"BSP
11176918	G 1" BSP	-	G1/4"BSP
11176916	SAE Flange 3/4" UNC	-	7/16-20 UNC
11176917	Thread Ports 1 5/16 UNC	-	7/16-20 UNC

**PVB 128 Variant Overview**

*Oil flow as function of spool travel*



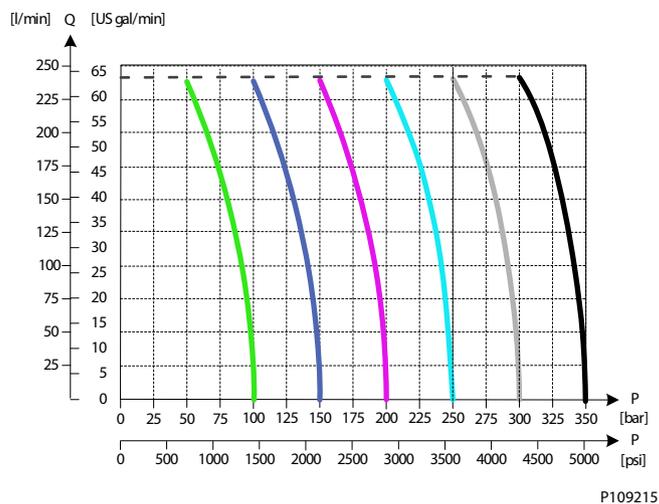
*Load Independent Oil Flow, Pressure Compensated*



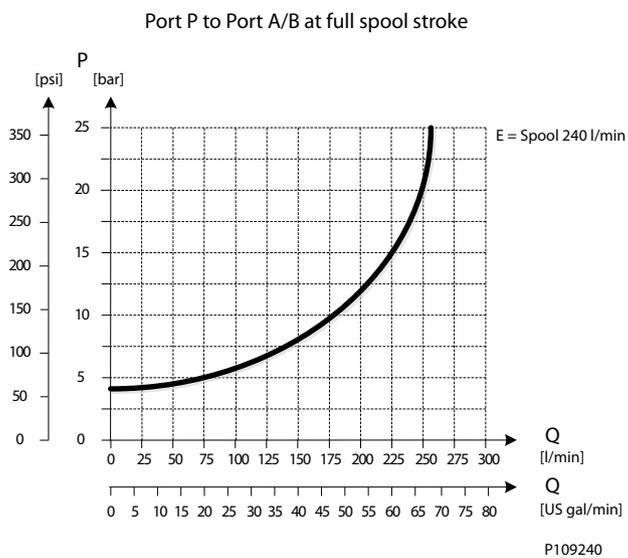
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**PVB 128 Variant Overview**

*LS A/B Pressure Relief Valve*



*PVB 128 Upstream Performance*



**PVB 128 Variant Overview**

*PVB 128 Downstream Performance*

