

# BENCOR (Pty) Ltd.

Directional spool valves



## Prop. directional spool valve type PSL and PSV

The directional spool valve bank type PSL is designed for constant delivery pump systems (pressure/flow controller) whereas the type PSV is for variable displacement pump systems. Both are available in two sizes.

They serve to control the direction of motion and provide infinite control of the speed of motion of hydraulic consumers regardless of their load. Several consumers may be operated simultaneously and independently of each other.

The main field of application is mobile hydraulics (e.g. crane controls etc.). These valve banks can be tailored to a specific application, requiring unequal max. consumer flows at port A and B as well as additional functions such as functional cut-off.



**Nomenclature:** Prop. directional spool valve acc. to the Load-Sensing principle

**Design:** Valve bank or Manifold mounting (also as valve bank)

**Actuation:** Manual  
 • Return spring  
 • Detent  
 Electr. hydraulic Pressure  
 • Hydraulic  
 • Pneumatic

**P<sub>max</sub>:** 400 ... 420 bar

**Q<sub>max. consumer</sub>:** 3 ... 210 l/min

**Q<sub>pu max</sub>:** approx. 250 l/min

### Basic types and general parameters

Basic type and size	Flow (l/min)		Oper. pressure P <sub>max</sub> (bar)	Tapped ports	
	Q <sub>consumer</sub>	Q <sub>pu max</sub>		P and R	A and B
PSL ... - 3	3 ... 120	200	420	G 1/2, G 3/4, G 1	G 1/2, G 3/4
PSV ... - 3	3 ... 120	200	420	G 1/2, G 3/4, G 1	G 1/2, G 3/4
PSL ... - 5	16 ... 210	250	400	G 1, G 1 1/4	G 1
PSV ... - 5	16 ... 210	250	400	G 1, G 1 1/4	G 1

### Additional versions

- PSLF.. valve bank, sub-plate mounted (size 3 and 5)

### Valve bank coding

PSL 41/380 - 3 - 32 H 63/40 A280 B 350 /EA

