

# BENCOR (Pty) Ltd.

Seated valves



## Directional seated valve bank type VB

The valve bank type VB consists of a connection block (with ports P and R), the directional seated valves (acc. to D 7300) installed on sub-plates and connected in parallel plus the end plate. The whole valve bank is held together with one or two tension rods.

Depending on the type of sub-plate differing flow pattern of the valves mounted on them are possible as well as optional functions i.e. pressure switches for the consumer port may be incorporated in these sub-plates. These valve banks may be either directly connected to a pipe system via the connection block or installed directly onto hydraulic power packs (type HK, HC, MP, FP, R) utilizing an adapter plate.



Various end plates featuring e.g. pressure switch for gallery P or accumulator drain valve widen the field of application for this valve banks. All this, together with our hydraulic power packs enable hydraulic control systems for high pressure applications with low spatial requirements.

**Nomenclature:** Directional seated valve, leakage free

**Design:** Valve bank  
 • for pipe connection  
 • combination with hydraulic power packs

**Actuation:** Solenoid  
 Pressure  
 • hydraulic  
 • pneumatic  
 Manual  
 • hand lever  
 • adjusting knob

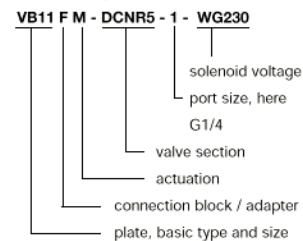
**p<sub>max</sub>:** 500 ... 700 bar

**Q<sub>max</sub>:** 6 ... 120 l/min

### Basic types and general parameters

Basic type and size	Flow Q <sub>max</sub> (l/min)	Oper. pressure p <sub>max</sub> (bar) with Actuation				Tapped ports P, R, A, B
		solenoid actuated M	pressure actuated H	pressure actuated P	manually actuated F D	
VB 01	6	300 ... 500	500	350 ... 500	500	G 1/4
VB 11	12	350 ... 500(700)	500 ... 700	400 ... 700	400 ... 700	G 1/4 and G 3/8
VB 21	25	350 ... 500(700)	500	400 ... 500	400 ... 500	G 3/8 and G 1/2
VB 31	65	350 ... 400	400	---	---	G 1/2 and G 3/4
VB 41	120	350	---	---	---	G 3/4 and G 1

### Order coding example



### Connection blocks / adapter plates

Basic type	Brief description	Flow pattern
A -1/..	For pipe connection, with tool adjustable pressure limiting valve (/... pressure spec. in bar)	
C, D, E	For mounting onto hydraulic power packs type R, Z and RZ, depending on tank and size <sup>1)</sup>	
F, G	For mounting onto hydraulic power packs type HK, HC, MP, FP) (also in combination with two stage valve type NE) <sup>1)</sup>	

<sup>1)</sup> see also "Additional information"