

BENCOR (Pty) Ltd.

Directional spool valves



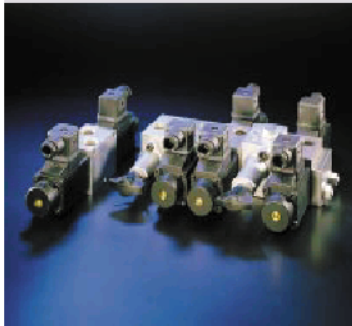
Directional spool valve type SW, SWR and SWP

These directional spool valve are available for pipe connection (type SW), manifold mounting (type SWP) or as valve banks (type SWR, SWP). All of them are directly actuated by wet armature solenoids.

A connection block with an optional, integrated pressure limiting valve may be added to the individual manifold mounting valves.

The valve bank consists of a connection block (with ports P and R) or an adaptor plate for direct connection onto hydraulic power packs, the directional spool valve sections and the end plate. The whole valve bank is held together with two tension rods.

These valve sections are optionally equipped with additional functions such as releasable check valves, load holding valves or sequence valves.



Nomenclature: Directional spool valve

Design: Individual valve for pipe connection or Manifold mounting
Valve banks
Combination with hydraulic power packs

Actuation: Solenoid

P_{max} : 315 bar

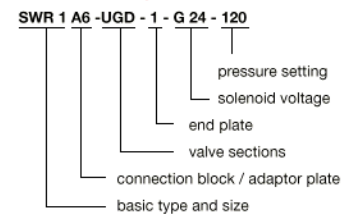
Q_{max} : 12 ... 25 l/min

Basic types and general parameters for individual valves and valve bank

Basic type and size			Flow Q_{max} (l/min)	Oper. pressure P_{max} (bar)	Tapped ports ¹⁾
Individual valve	Valve bank	Manifold mounting valve			
SW 1	SWR 1	SWP 1	12	315	G 1/4
SW 2	SWR 2	SWP 2	25	315	G 3/8, G 1/4

¹⁾ only with type SW and SWR

Valve bank coding



Connection blocks / adaptor plates for valve banks

Basic type	Brief description	Flow pattern	
A 6	With tool adjustable pressure limiting valve (for pipe connection)	SW.. A6	SW.. F(D)
F	For direct mounting onto hydraulic power packs (type HK, HC, MP)		
D	For direct mounting onto oil immersed hydraulic power packs (type R)		

Additional versions von connection blocks/adaptor plates for valve bank

- Connection block for pipe connection with 3-way prop. flow control valve and pressure limiting valve
- Connection block with incorporated idle circulation valve
- Individual connection block without or with pressure limiting valve, manually or tool adjustable
- Adaptor plates enabling, optional connection of a pressure switch type DG3.. in port P (see also "Further informations")
- Connection blocks type A, B, C for hydraulic power packs (see also "Further informations")