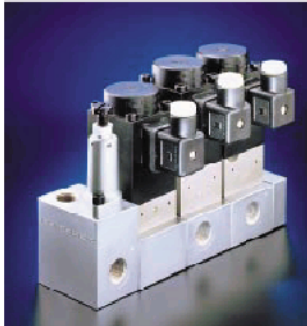# BENCOR (Pty) Ltd.

HAWE HYDRAULIK

Direct. seated valve bank type BWH and BWN

The valve bank types BWN and BWH consist of a connection block (with ports P and R), the directional seated valves types BWN and BWH installed on sub-plates and connected in parallel plus the end plate. The whole valve bank is held together with one tension rod.

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 or pressure limiting valve 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 (with or without pressure limiting valve) or installed directly onto hydraulic power packs (type HK, HC, MP, FP and R) or other valve banks 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 with low spatial requirements.

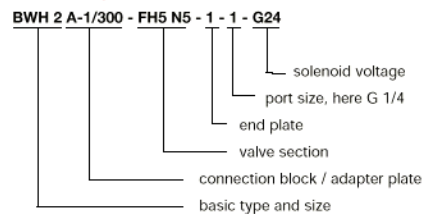|	
Nomenclature:	Directional seated valve, leakage free
Design:	Valve bank • for pipe connection • for combination with hydraulic power packs
Actuation:	Solenoid
p_{max}:	350 ... 450 bar
Q_{max}:	5 ... 60 l/min

Basic types and general parameters

Basic type and size	Flow Q_{max} (l/min)	Pressure p_{max} (bar)	Tapped ports P, R, A, B
BWN 1	5	350	G 1/4
BWH 1	8	450	G 1/4
BWH 2	15	350	G 1/4
BWH 3	30	350	G 3/8
BWH 4	60	350	G 1/2

Order coding example

BWH 2 A-1/300 - FH5 N5 - 1 - 1 - G24

- solenoid voltage
- port size, here G 1/4
- end plate
- valve section
- connection block / adapter plate
- basic type and size

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)	A-1/...
C	for mounting onto hydraulic power packs type R	C
F	for mounting onto hydraulic power packs with connection block (type HK, HC, MP, FP)	F

Additional versions

- Connection block for pipe connection without pressure limiting valve
- Connection block for pipe connection with manually adjustable pressure limiting valve
- Connection block for pipe connection with prop. pressure limiting valve
- Adapter plates to the combination with directional valves type BVZP or SWR/SWP (see also section "Additional information")