

Connection block type A, B and C

A connection block represents the connecting link between the hydraulic power pack and the hydraulic control. The connection blocks described here are suitable for combining with compact hydraulic power packs.

A valve bank can be directly attached to the connection block type A such that a compact hydraulic control unit is produced. As standard the type A contains a pressure-limiting valve that can be supplemented with a pressure or return line filter, or an idle circulation valve, among other items. The connection block type B controls single-acting cylinders, e.g. in pallet lifting equipment. The integrated pressure-limiting valve limits the maximum lifting force. The lowering speed is adjusted using the integrated throttle. The connection block type C has only a pump and return port and is used in hydraulic systems with decentral valve blocks.

The connection blocks type A, B and C can be combined, e.g. with the compact hydraulic power packs type KA, HK and MPN.

Features and benefits:

- Enables compact and sturdy direct mounting of ongoing components at the compact power packs of HAWE Hydraulik
- Intermediate plates enable versatile addition of other components
- Efficient and space saving solution for mounting individual valves or valve banks to single and dual circuit pumps
- Pressure/return line filters, pressure-limiting valves, pressure switches, etc. can be directly integrated

Intended applications:

- Lifting devices
- Machine tools
- Modules for braking or rotor blade adjustment at wind power systems
- Tracking systems for solar panels and parabolic antennas

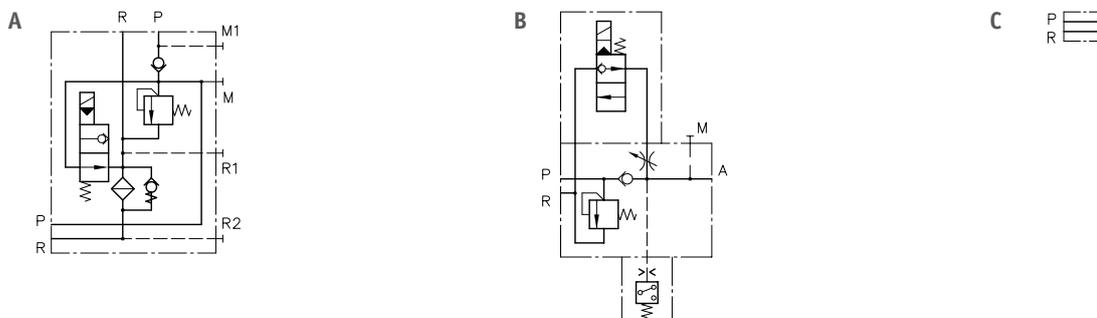


Nomenclature:	Connection blocks to the completion of hydraulic power packs
Design:	Add-on valve enabling pipe connection or direct mounting of valve banks
p_{max}:	System pressure: 700 bar
Q_{max}:	approx. 20 lpm

Design and order coding example

AS3F2	/420	- G24	
			Solenoid voltage 12V DC, 24V DC, 230V AC
			Pressure setting (bar)
Basic type	Type A, B, C see table		

Function



Options, type A, B, C

Type A with pressure-limiting valve (fixed or manually adjustable, also with unit approval as safety valve for safeguarding hydraulic accumulators)

- For direct pipe connection
- To attach valve banks

Options:

- Check valve in P gallery
- Prop. pressure-limiting valve
- Return line filter, Pressure filter
- Idle circulation valve (solenoid-actuated)
- Shut-off valve, accumulator charging valve

Type C without additional elements

- For direct pipe connection

Options:

- For pipe connection (pump side) of all type A, B connection blocks (Type C15, C16 - connection block with hole pattern of the pump, type C36)

Type B with pressure-limiting valve to actuate single- and double-acting cylinders

- For direct pipe connection

Options:

- Check valve in P gallery
- Throttle for regulating the drain speed
- Idle circulation valve open or closed in neutral position
- Pressure switch in P gallery
- Pressure dispersal for independent return stroke (type B to DW)

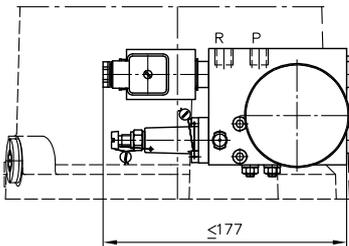
Additional versions

- Connection blocks for dual-stage pumps
- Intermediate blocks for dual-stage pumps type S, V, C30
- Spacer plates for single and dual-circuit pumps type U.
- Additional intermediate block for second pressure stage type V, S

General parameters and dimensions

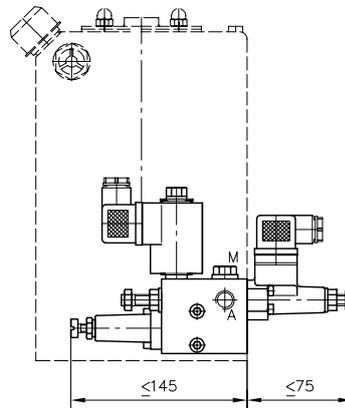
AS ..

Example: HK 44/1 - H 2.08 - **ASX 3 F2 B/400 - G 24**



B..

Example: HC 14/1.95 - **B 31/180 - EM 11V - 13/3 - G 24**



Associated technical data sheets:

- [Connection blocks type A for hydraulic power packs: D 6905 A/1](#)
- [Connection block type AX, with unit approval: D 6905 TUV](#)
- [Connection blocks type B for hydraulic power packs: D 6905 B](#)
- [Connection block type C 5 and C 6: D 6905 C](#)

Suitable compact hydraulic power packs:

- see "Compact hydraulic power pack" chapter

Products with shared connection pattern:

- [Two-stage valve type NE: D 7161](#)
- [Switch unit type CR: D 7150](#)

Suited valve banks for combination:

- [Valve bank \(directional seated valve\) type VB: D 7302](#)
- [Valve bank \(directional seated valve\) type BWN and BWH: D 7470 B/1](#)
- [Valve bank \(nominal size 6\) type BA: D 7788](#)
- [Valve bank \(directional seated valve\) type BVH: D 7788 BV](#)