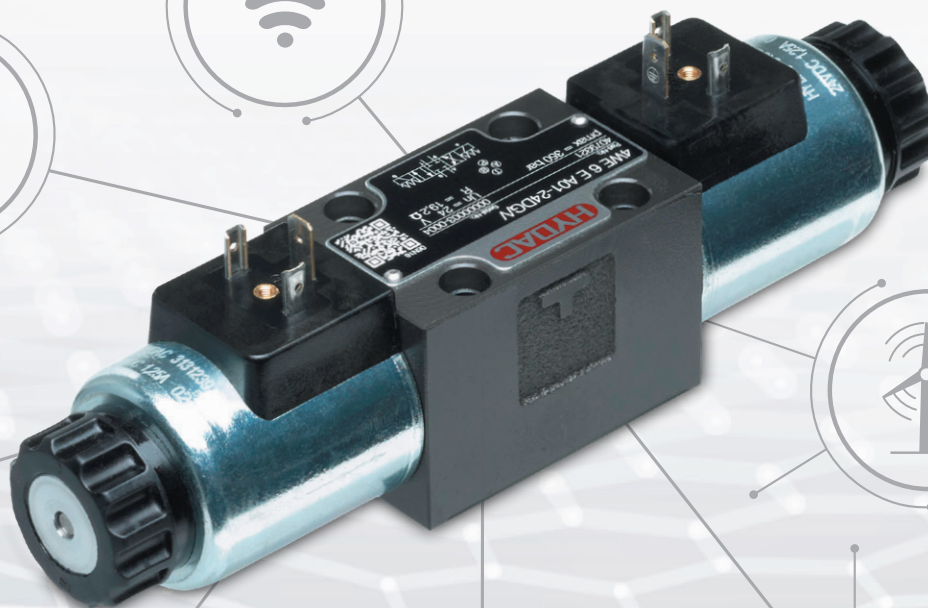


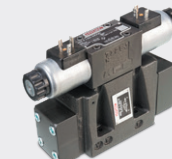
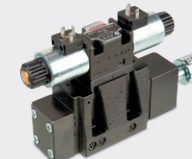
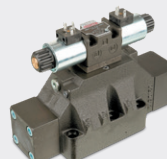
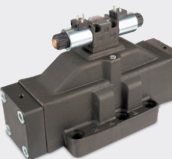
HYDAC INTERNATIONAL

Directional valves Product overview



HYDAC's range of manifold-mounted directional valves

	Direct acting directional poppet valves				Direct acting directional spool valves															
Nominal size	Size 6				Size 6															
Type	WSE 6				4WE 6				4WER 6	4WEW 6	4WMH 6	4WEMH 6	4WMY 6	4WMP 6	4WE 10	4WER 10	4WEW 10	4WMH 10	4WMY 10	4WMP 10
Series	H01	H08	H20	H01	A01	A08	A20	A40	S01	S01	S01	S01	S01	S01	A01	S01	A01	S01	S01	S01
																				
Actuation	Solenoid				Solenoid															
Features	• 2/2, 3/2, 3/3, 3/4, 4/2, 4/3 and 4/4 directional poppet valves • Patented functional principle • High level of switch safety due to pressure-balanced design • DC solenoids or AC solenoids	• 2/2, 3/2, 3/3, 3/4, 4/2, 4/3 and 4/4 directional poppet valves with reduced electrical power consumption	• 3/2 directional poppet valves in ATEX versions • "XE" (increased safety)	• 2/2 and 3/2 directional poppet valves with spool position monitoring	• 4/2 and 4/3 directional spool valves • DC solenoids or AC solenoids • Electrical connection as a single connection or central connection	• 4/2 and 4/3 directional spool valves with reduced electrical power consumption	• 4/2 and 4/3 directional spool valves in ATEX versions • "XE" (increased safety) • "XD" (flameproof enclosure)	• 4/2 and 4/3 directional spool valves with increased corrosion protection via ZnNi coating • DC solenoids or AC solenoids	• 4/2 and 4/3 directional spool valves with spool position monitoring	• 4/2, 4/3 directional valves • Reduced switching shocks due to soft switching	• 4/2 and 4/3 directional spool valves • Actuation via mechanical hand lever	• 4/2 and 4/3 directional spool valves • Actuation via hand lever and/or solenoid	• 4/2 and 4/3 directional spool valves • Hydraulic actuation	• 4/2 and 4/3 directional spool valves • Pneumatic actuation	• 4/2 and 4/3 directional spool valves • DC solenoids or AC solenoids	• 4/2 and 4/3 directional spool valves with spool position monitoring	• 4/2, 4/3 directional valves • Reduced switching shocks due to soft switching	• 4/2 and 4/3 directional spool valves • Actuation via mechanical hand lever	• 4/2 and 4/3 directional spool valves • Hydraulic actuation	• 4/2 and 4/3 directional spool valves • Pneumatic actuation
Max. flow rate	25 l/min	12 l/min	16 l/min	12 l/min	80 l/min	60 l/min	80 l/min	80 l/min	80 l/min	80 l/min	100 l/min	100 l/min	75 l/min	75 l/min	160 l/min	120 l/min	160 l/min	150 l/min	120 l/min	120 l/min
Max. operating pressure (PAB/T)	350 bar/70 bar	350 bar/70 bar	350 bar/70 bar	350 bar/70 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/25 bar	350 bar/25 bar	350 bar/210 bar	320 bar/210 bar	320 bar/210 bar	320 bar/160 bar	320 bar/25 bar	320 bar/25 bar

	Pilot-operated directional valves											
Nominal size	Size 10			Size 16			Size 25			Size 32		
Type	4WEH 10	4WEHR 10	4WH 10	4WEH 16	4WEHR 16	4WH 16	4WEH 25	4WEHR 25	4WH 25	4WEH 32	4WEHR 32	4WH 32
Series	S01/S02	S01/S02	S01/S02	S01	S01	S01	S01	S01	S01	S01	S01	S01
												
Actuation	Solenoid		Hydraulic actuation	Solenoid		Hydraulic actuation	Solenoid		Hydraulic actuation	Solenoid		Hydraulic actuation
Features	• Interfaces CETOP 4.2-4 P05-320 and ISO 4401-05-05-0-05 • Pilot-operated 4/2 and 4/3 directional spool valves • Electrohydraulic actuation via size 06 pilot valve • Options for external/internal pilot oil feed and pilot oil drain	• Interfaces CETOP 4.2-4 P05-320 and ISO 4401-05-05-0-05 • Monitoring the main control spool • Pilot-operated 4/2 and 4/3 directional spool valves • Electrohydraulic actuation via size 06 pilot valve • Options for external/internal pilot oil feed and pilot oil drain	• Interfaces CETOP 4.2-4 P05-320 and ISO 4401-05-05-0-05 • Hydraulically controlled 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-07-07-0-05 • Pilot-operated 4/2 and 4/3 directional spool valves • Electrohydraulic actuation via size 06 pilot valve • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-07-07-0-05 • Monitoring the main control spool • Pilot-operated 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-07-07-0-05 • Controlled 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-08-08-0-05 • Pilot-operated 4/2 and 4/3 directional spool valves • Electrohydraulic actuation via size 6 pilot valve • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-08-08-0-05 • Monitoring the main control spool • Pilot-operated 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-08-08-0-05 • Controlled 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-10-09-0-05 • Pilot-operated 4/2 and 4/3 directional spool valves • Electrohydraulic actuation via size 06 pilot valve • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-10-09-0-05 • Monitoring the main control spool • Pilot-operated 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain	• Interface ISO 4401-10-09-0-05 • Controlled 4/2 and 4/3 directional spool valves • Options for external/internal pilot oil feed and pilot oil drain
Max. flow rate	150 l/min	150 l/min	150 l/min	300 l/min	300 l/min	300 l/min	600 l/min	600 l/min	600 l/min	1,000 l/min	1,000 l/min	1,000 l/min
Max. operating pressure (PAB/T)	320 bar/210 bar	320 bar/210 bar	320 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar	350 bar/210 bar

All details and the relevant model codes for HYDAC directional valves can be found in our "Industrial Valves" catalogue, No. EN 5.101.3/02.20



Note

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

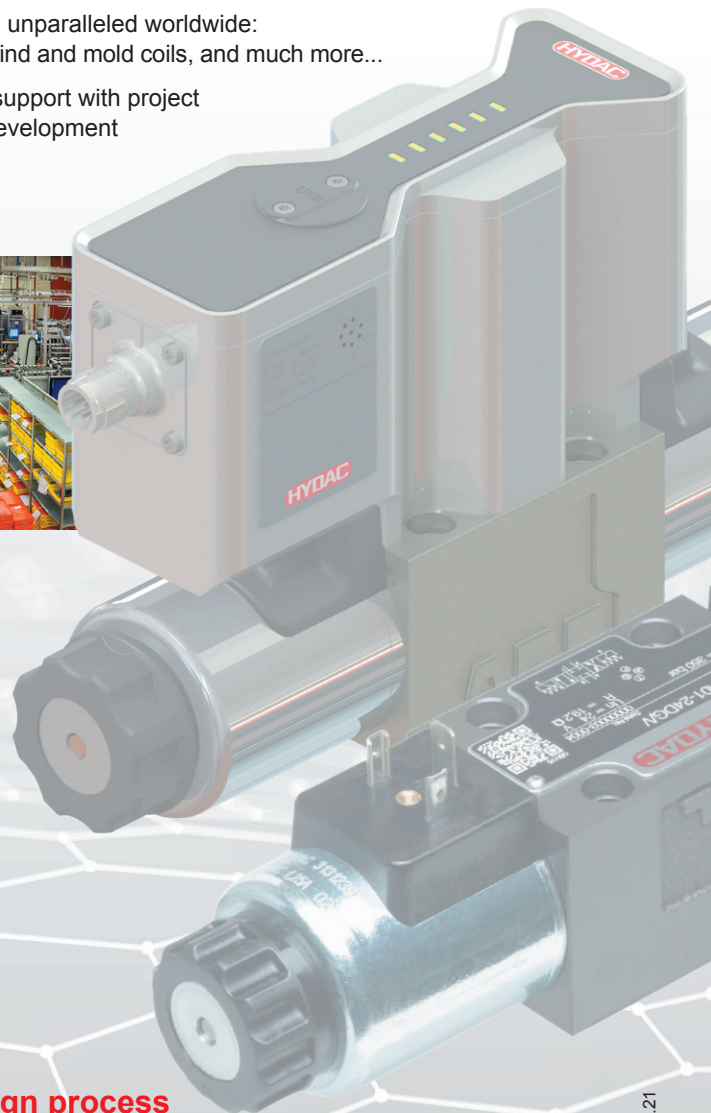
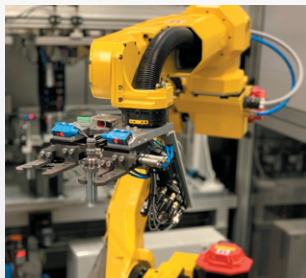
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- **Great flexibility to accommodate customer requirements**, thanks to modular systems
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HYDAC Fluidtechnik GmbH was founded in Sulzbach, Germany, in 1974. Today, HYDAC produces valves at four sites worldwide: at our headquarters in Sulzbach, in the USA (Chicago), in China (Shanghai) and in Slovakia (Tvrdošín). With our numerous companies, sales partners and service partners, we can provide you with local help worldwide.

As well as contacting us directly, you can find up-to-date information

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