













Directional spool valves from the modular design system of HAWE Hydraulik

| Product type | Image | Size | Q _{max} in lpm | p _{max} in bar | Connection type | | | Connection thread | | | Actuation mode | | | Actuation | | | | | | EX* | Can be combined in a Valve bank with |
|---------------------|---|--|-------------------------------|-------------------------------|-------------------|-------------------|------------|-------------------|-----------------|------------------|----------------|--------------|---------|-----------|----------|------------------|-----------|-----------|------------|-----|--------------------------------------|
| | | | | | Pipe installation | Manifold mounting | Valve bank | BSPP (ISO 228-1) | UNF (SAE J 514) | JIS (JIS B 2351) | black-white | proportional | CAN-Bus | Manual | Solenoid | Electrohydraulic | Pneumatic | Hydraulic | Mechanical | | |
| SG,SP |  | SG 0,1, 2,3,5 SP 1,3,5 | 12 bis 100 | 315 bis 400 | ■ | ■ | | ■ | | | ■ | | | ■ | ■ | | ■ | ■ | ■ | | - |
| HSL,HSF |  | HSL 3,4 HSF 3,4 | 80 bis 160 | 400 | ■ | ■ | | ■ | | | ■ | | | | ■ | | | ■ | | | - |
| CWPN |  | CWPN 06,10 | 60 | 350 | | NG 6 NG 10 | | | | | ■ | ■ | | ■ | ■ | | | | | | BA,BNG |
| SWPA |  | SWPA 04 | 30 | 320 | | NG 4 | | | | | ■ | | | | ■ | | | | | | - |
| POL,PRL, PIL,PIH |  | POL 06,10 PRL 06,10 PIL 06,10 PIH 06,10 | 30 bis 100 | 350 | | NG 6 NG 10 | | | | | | ■ | | | ■ | | | | | | MACB,SAKB SAMB,SPVM ePrAX |
| CWS, CWL |  | CWS 2 CWL 2 | 60 | 350 | | | | ■ | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | PSL, EDL |
| CWD |  | CWD 2,3 | 50 bis 120 | 350 | ■ | | | ■ | ■ | ■ | ■ | | | | ■ | | | | | | - |
| DL |  | DL 1,2 | 16 bis 30 | 315 | | | | ■ | | | | ■ | | | ■ | | | | | | - |
| EDL |  | EDL 2 | 48 | 320 | | | | ■ | ■ | ■ | ■ | | | | ■ | | | | | | PSL, CWS, CWL |
| PSL |  | PSL 2,3,5 | 60 bis 240 | 400 bis 420 | | | | ■ | ■ | ■ | ■ | | ■ | | ■ | ■ | ■ | | ■ | | EDL, CWS, CWL |
| PSLF |  | PSLF 3,5,7 | 120 bis 520 | 400 bis 420 | | ■ | | ■ | ■ | | | ■ | | | ■ | ■ | ■ | | ■ | | - |
| SMBF, SMBA |  | SMBF 2 SMBA 2 | 40 bis 80 | 280 | | | | ■ | | | | ■ | | | ■ | | | | | | - |

*EX: ATEX, IECEx, NEC, CEC