

## Proportional spool valve with a high power density

As an innovative manufacturer of high-precision hydraulic technology, WANDFLUH has developed a cartridge valve which, in particular, is characterised by a very high power density. Despite a relatively high volume flow, the WDPPU family has very sensitive response characteristics with very low hysteresis. As a result of the compact construction of the valve, a powerful hydraulic control can be realised, even when space is very restricted. Often, this is an important criterion in mobile applications and increasingly, in special projects as well. The WDPPU family is used where precise, well manageable controls with a high resolution are required. Example applications include sensitive hydraulic controls, rotor blade controls of wind generators, forest and earth moving machines, machine tool and paper production machines, ventilation and control technology. The solenoid coils used in the WDPPU family also make the valve easy to service. If needed, the slip-on coils can be detached and easily replaced without having to intervene into the system. Due to the different ranges of application, the WDPPU cartridge valve is available in the nominal size 8 as well as in the nominal size 10. With a maximum pressure of 350 bar and a maximum flow of 23 l/min, resp. 28 l/min, it can be used in an ambient temperature between -20 and +70 °C without any significant loss of power. In addition, the hardened spool guarantees long term reproducibility of the movement sequences and a very long service life.



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Oil-hydraulic control and closed circuit control equipment NG3 to NG10 (2/2-directional control built-in valves up to NG40); proportional control valves, incl. electronics; valves with integrated electronics; miniature hydraulics NG3 and NG4; poppet valves, flow in both directions; spool valves with minimum leakage rates; modular design technology with slip-on / screw-in cartridges ISO 7789; feed systems; soft-switching valves; special surface protection; explosion-protected valves; drive units; hydraulic systems; special equipment for oil-hydraulics and other fluids.

Western - and Eastern Europe, North and South America, Asia, Oceania, Southern Africa