

# NG10 SPOOL VALVES LINE

## CONTROL OPTIONS

Control	ON/OFF	Proportional
Direct operated	WDMFA10	WDPFA10_65
Pilot operated	WVYFA10	WVPFA10_90_ME
Manual	AH4_10	
Roller	AT4_10	
Pneumatic	AK4_10	
Hydraulic	AP4_10	
Integral pressure	AQ4Z100	

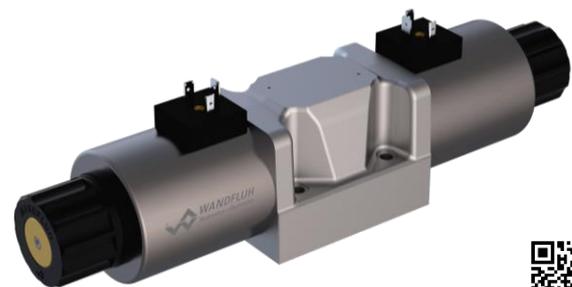
## DESCRIPTION

Wandfluh has completely reworked its programme of NG10 spool valves, launching a range of high-performance products onto the market. The use of an optimised cast body not only massively improved the weight/performance ratio, but also reduced the delta p values and greatly increased the maximum flow rate. The valves have naturally been fitted with exchangeable slip-on coils. In addition, however, the solenoid coils can also be offered with all types of different connector executions, powers and surface treatments.

The range is based on the cast body, which is used both for direct operated and pilot operated valve. All of the executions can withstand a system pressure of 350 bar, some even 420 bar. The direct operated version can control 160 l/min, while the pilot operated version can even control over 200 l/min. The compact, pilot operated execution captivates by its cast body, which is pilot operated by a compact NG4 spool valve.



'ON/OFF' 4/2-way spool valve WDMFA10



Proportional 4/3-way spool valve (4/2-impulse) WDPFA10\_65

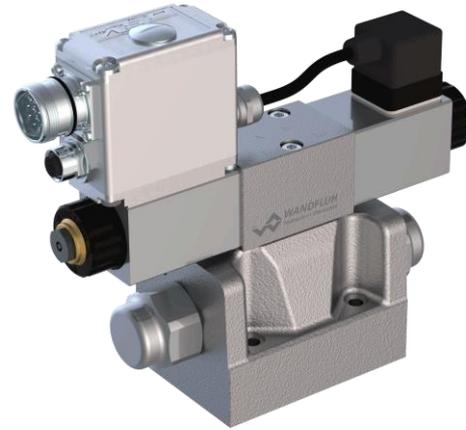
## FIELDS OF APPLICATION

ON/OFF spool valves are mainly used for controlling direction of movement and stopping of hydraulic cylinders and motors. Whereas proportional spool valves are perfectly suitable for demanding tasks due to the high resolution, large volume flow and low hysteresis. The applications are in the industry as well as in the mobile hydraulics for the smooth control of hydraulic actuators. Some examples: rotor blades control of wind generators, forestry and earth moving machines, machine tools and paper production machines with simple position control, robotics and fan control.



## EXECUTIONS

As is usual for Wandfluh, all of the products are available in many different special executions. Whether it is the explosion protection execution or with increased corrosion protection, with switching position monitoring or also for low temperature applications, there is a solution for any need. Proportional valves can be operated by means of integrated, preadjusted electronics (DSV) or by corresponding electronic modules. All electronic solutions have optimised amplifying switching to keep hysteresis small and the response times short.



WVPFA10\_90\_ME (with integrated electronics)



Application example industrial press

## FEATURES

- Optimised cast body
- Enhanced Delta p value
- Ex-protection execution
- Execution with integrated electronics

The new generation of NG10 spool valves guarantees maximum flexibility and high performance in the smallest of spaces.

