Proportional flow control valves
Continuous from fast to slow to a stop

In the hydraulic circuit, a rotary and linear movement can be controlled particularly effectively through the low medium compression and the high energy density. One of the challenges in hydraulics is the use of a broad speed range with the possibility of bringing the movement to a standstill. The Swiss company Wandfluh AG offers an extremely interesting range of products, which has been specifically developed for use from a stop to full speed and back. For their application, two solution concepts (QN/QD) with three design variants, five different product sizes and twelve power levels are available. All Wandfluh components control the entire volume flow range, from a standstill to the selected nominal volume flow level Q_N from a minimum of 0.1 l/min to 160 l/min.

Including ATEX and IECEx certificate

The device family of proportional throttles and flow controllers is also used in explosion-protected areas through the use of the multi-certified MKY45 solenoid coil.
The device family is therefore available with IECEx, ATEX, EAC, Inmetro, UL, CSA, Nepsi, MA and Australia certificates. On request, the amplifier electronics can also be installed directly in the solenoid coil.

Proportional 2-way flow control cartridge M42 (QNPPM42)
http://www.wandfluh.com/press/

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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