

Hydraulic valves for every brake

Direct operated, proportional pressure-reducing cartridges

Safety, stability and reliability are the most important demands on a braking system. But a system is only ever as good as its weakest link. Direct operated, proportional pressure reducing cartridges from Wandfluh with fast response times and very low leakage can be used for a variety of purposes. One typical application is in hydraulic braking systems, which require a fast build-up of pressure, good reproducibility and linearity. With a worldwide use, reliable operation, even in extreme conditions, has to be ensured. The use of special materials, increased corrosion and explosion protection help to withstand extreme cold, heat or the influence of salt water, gas and dust. The new models from Wandfluh are available in two sizes with different cavities and maximum flow.

The smaller execution of the MDPPM16 and MGPPM16 series has been designed for a maximum flow of 6 l/min. The cartridge body has a M16x1.5 thread. Through these small dimensions, the requirements of numerous users with respect to a compact, space-saving design are satisfied. As a standard, three pressure levels, 25, 40 and 100 bar are available for the reduced pressure.

With the larger models in the MPPPU10 series, a maximum flow of 20 l/min can be achieved. The cartridge body has a 7/8"-14 UNF cavity.

For both sizes the inlet pressure is 350 bar.

To control the proportional solenoids, Wandfluh offers a variety of digital amplifiers and control electronics. For use in potentially explosive areas, the valves can be equipped with the proven MKY coil (protection class Exd).



MDPPM16

<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