

Inverse proportional pressure valves

Inverse proportional pressure valves are meant for safety-relevant applications. In the case of an electric power failure or a failure of the electronic drive, the maximum system pressure remains present. In the case of certain applications, the utilization of inverse pressure control valves can eliminate the necessity for more elaborate electronic drive systems. Typical applications are the protection of hydraulic motors in ventilator drives and braking functions with pressure control valves.

Available in the Wandfluh programme are direct operated pressure relief cartridges up to 315 bar and up to 20 l/min as well as pilot operated pressure relief cartridges up to 350 bar and up to 100 l/min. Furthermore, the direct and pilot operated pressure reducing cartridge up to 350 bar and 6-60 l/min is available. For all cartridges there are various pressure levels. Explosion protected versions as well as special surface treatments are also available on request.

The maximum pressure can be manually adjusted within the range of ± 20 to 25 % of the nominal pressure on the solenoid by means of a setting spindle and therefore adapted to the application. The proportional solenoid is the core component of the inverse proportional pressure valves and optimally matches the already available valve elements. In combination, components for various new applications, such as, e.g., for hydraulically driven fan systems for lift-trucks, construction machinery, trucks, but also for tensioning and lifting systems have been created. The cartridges for the cavity M16x1,5 (Wandfluh standard) and M22x1,5 (ISO 7789) are suitable for modular systems and are available in various sandwich, flange and threaded body versions.



BDIPM22

<http://www.wandfluh.com/press/>

Wandfluh AG, Hydraulics + Electronics, Helkenstrasse 13, Postbox, CH-3714 Frutigen, Switzerland, Tel. +41 33 672 72 72, Fax +41 33 672 72 82, www.wandfluh.com, sales@wandfluh.com

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