Piezo-Pneumatic Control Valves

ATEX-certified control valves
Piezotechnology in pneumatics – successfully applied worldwide, under extreme conditions

The secret of the HOERBIGER valve’s success lies its combination of precision mechanics, electro-technology and the consistent application of piezotechnology advantages. Despite their ultra-low power consumption, HOERBIGER piezo valves are well-suited for demanding applications in the process and automation industry that require broad ranges for flow, temperature and pressure control. High dynamics, German-engineered precision, non-self-heating operation and non-magnetic characteristics make the HOERBIGER piezo the valve of choice for the most demanding switching and control applications.

Switching valves with ATEX-approval – one valve for all intrinsically safe applications

- High durability, reliability and dynamics
- Extremely low electric power consumption
- Key technology for intrinsically safe applications in hazardous areas

Piezotechnology

This strawberry contains approx. 130 joules of energy - sufficient to switch a piezo-valve more than 1 billion times. This makes HOERBIGER piezo pneumatics the ideal solution for environments with minimal energy reserves.

- Intrinsically safe and certified for use in explosion-protected environments, ATEX category EExiaIIC
- Protection class IP65
- Low air consumption (<0,1 l/min regardless of operating pressure)
- Large switching voltage range (4,5 ... 30V)
- Compatible with standard control units
for decentralized automation in fields prone to explosions

... for assembly on pneumatic valve actuators (quarter turn and stroke)

... for systems engineering in single or manifold assembly

... as pilot valve for pneumatic operated regulating valves

NAMUR valve S29
- 3/2, 5/2 and 5/3-way
- Flow ≥1,300 NL/min
- NAMUR connection 1/4”

Inline valve S9
- 3/2, 5/2 and 5/3-way
- Flow ≥500 / 1,300 NL/min
- Connection G1/8, G1/4

Pilot valve P8 / P20
- Operation 3/2-way
- Flow up to 100 NL/min
- Flange- or M5-connection
HOERBIGER -
We set standards

Wherever we operate, we set standards with performance-defining components, system solutions, and services - and thereby increase the efficiency of the capital investment in premium capital goods.

HOERBIGER Automation Technology is a business unit of HOERBIGER Holding AG, Zug / Switzerland. HOERBIGER is active throughout the world as a leading player in the fields of compression technology, automation technology and drive technology. In 2011, its 6,826 employees achieved sales of 1.048 billion Euro. The focal points of its business activities include key components and services for compressors, gas engines and turbomachines, hydraulic systems and piezo technology for vehicles and machine tools, as well as components and systems for shift and clutch operations in vehicle drive trains of all kinds. Through innovations in attractive technological niche markets, the HOERBIGER Group sets standards and delivers cutting-edge solutions for the benefit of its customers.

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