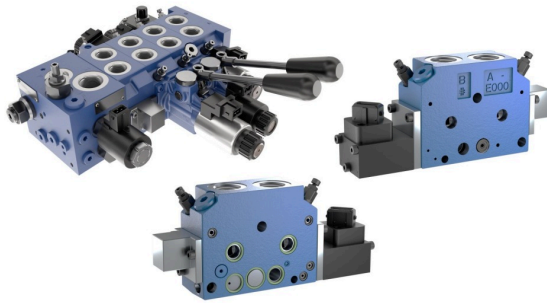


PRESS INFORMATION

Best performance with maximum efficiency

Manuela Kessler | 21.06.2022 | Lohr am Main / Germany | PI 010/22

Bosch Rexroth presents its latest generation of compact directional valves at bauma 2022



EDG-Piloted valves control work port flow up to 60 l/min (15.8 US gal/min) and up to 350 bar (5076 psi) bar work port pressure. (Image source: Bosch Rexroth AG)

Bosch Rexroth's innovative electro-hydraulic and load sensing valve solutions provide users with high flexibility and configurability. They are optimized for mobile machine performance and maximum efficiency.

At the next edition of bauma (Munich, October 24-30th), Bosch Rexroth will introduce the new series of its EDG-Piloted compact directional valves: an electro-hydraulic, load-sensing, high flexible and configurable solution. These valves, whose design extends the availability of Bosch Rexroth's EDG-Direct acting product platform range to a higher flow rate, are optimized to provide users with maximum efficiency and mobile machine performance. Thanks to their modular concept, they can easily interface with any other Rexroth valve family and represent a versatile solution, suitable for a large variety of market segments and different applications. Forklifts, mobile elevating work platforms, truck mounted cranes, telehandlers, agricultural harvesters, municipal vehicles, and small construction mobile equipment can all benefit from them.

Features of the EDG-Piloted valve include control work port flow up to 60 l/min (15.8 US gal/min) and up to 350 bar (5076 psi) work port pressure. But the following features make Bosch Rexroth's innovation unique on the market: The valves are light and compact, given their 3 kilograms (6.6 lbs) weight, and allow EDG-Piloted and EDG-Direct acting slices to be assembled together on the same valve stack. Furthermore, integrated secondary valves ensure additional anti-shock and anti-cavitation functionalities. LS Relief Valve on A and/or B ports is also integrated. Flow-optimized cast-iron housings guarantee a low pressure drop value. Dedicated inlet section design, TEG-13, with low pressure stand-by compensator (dual stage compensator) is suitable for both open and closed center circuits. Finally, the new EDG-Piloted directional valve offers high configurability and complete integration with the existing portfolio of Rexroth valves.

Basic Information Bosch Rexroth

PRESS INFORMATION

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

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