

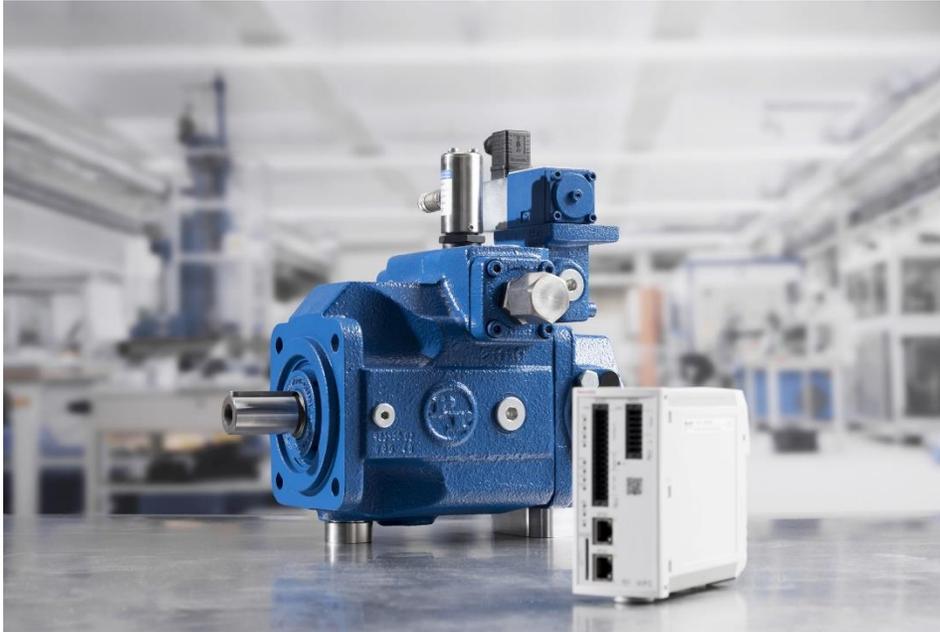
Press Release

Bosch Rexroth's Hydraulic Pump Control (VT-HPC) joins the Sytronix family

Rexroth's VT-HPC offers users speed control output capabilities or "n" function and is due for general release mid-2018

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For Immediate Use



Electro-hydraulic pump control HPC (right) and axial piston pump with HS5 control (left) from Rexroth

Bosch Rexroth's new Sytronix family member made its debut appearance at the 2018 Offshore Technology Conference in Houston, Texas. The VT-HPC is a flow and pressure control system for variable displacement pumps. The "n" function augments the standard HPC by ensuring maximum energy efficiency and minimizing noise generation. Since the VT-HPC can be incorporated into any structure using a multi-Ethernet interface, it's also ideal for Industry 4.0 applications.

For industrial applications, hydraulic pumps are powered by induction motors, which are either directly connected to the grid or driven by variable speed power electronics. Since the VT-HPC is in charge of supplying the proper pressure and flow required by the application, it makes sense that it should also be in charge of ensuring that the induction motor is rotating at an optimized speed. The "n" function allows this capability by providing an optimized speed reference level for the variable speed drive systems powering variable displacement hydraulic pumps.

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Key advantages of the VT-HPC include:

- Simple: take on any engineering task with a single tool (IndraWorks)
- Fast: easier start-up, better dynamics
- Open: Sercos and Multi-Ethernet connection to existing control architecture, simple diagnostics, quick service thanks to Ethernet-based TCP/IP service interface
- Flexible: scale functionality and communication with ease in the software
- Scalable: for use on HS5 controlled pumps from 40cc/u to 1000cc/u

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For more information on the VT-HPC, visit [here](#) and stop by booth #1205 at OTC to experience it firsthand.

About Bosch Rexroth

Economical, precise, safe, and energy efficient: drive and control technology from Bosch Rexroth moves 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 to develop innovative components as well as tailored system solutions and services. Bosch Rexroth offers its customers hydraulics, electric drives and controls, gear technology, and linear motion and assembly technology all from one source. With locations in over 80 countries, more than 29,500 associates generated sales revenue of approximately 5 billion euros (\$5.5 billion) in 2016.

To learn more, please visit www.boschrexroth-us.com

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 32,800 associates in more than 100 locations, as of December 31, 2016. In 2016 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit www.boschusa.com, www.bosch.com.mx and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. The company employs roughly 390,000 associates worldwide (as of December 31, 2016) and generated sales of 73.1 billion euros (\$80.9 billion) in 2016. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected industry. 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 create solutions for a connected life, and to improve quality of life worldwide with products and services that are innovative and

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spark enthusiasm. In short, Bosch creates technology that is “Invented for life.” The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiaries 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. The basis for the company’s future growth is its innovative strength. At 120 locations across the globe, Bosch employs 59,000 associates in research and development.

Additional information is available online at www.bosch.com, www.bosch-press.com, <http://twitter.com/BoschPresse>.

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