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States evidence

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JUST BECAUSE A COMPANY IS HEADQUARTERED IN EUROPE DOESN'T MEAN IT CAN'T SERVE THE NORTH AMERICAN MARKET PROPERLY AS WELL. TAKE A LOOK AT WHAT'S AVAILABLE HERE, FOR EXAMPLE

▶ Marzocchi Pompe, a leader in the design and production of high-performance external gear pumps and gear motors, can count on more than 50 years of worldwide sales experience since it was established back in 1961 in Bologna, Italy.

The company has also been extremely active in North America since the late 1970s, with several accounts both in the industrial and mobile business. To be as close as possible to its American customers, in 2001 it established its own US branch in Valencia, California, before moving to Schaumburg, Illinois in 2008. The US branch is committed to supporting and servicing Marzocchi's customers with fast responses and deliveries. Inside and outside sales resources, customer service representatives, skilled technical support, in addition to quick product availability as a result of good levels of important stock, make that possible. The result today is a healthy customer base covering mobile and industrial OEMs, with several distributors and integrators spread in the US territory. And the company's already huge product range of reliable and high-performance products has recently seen some important additions.

Welcome to the family

Marzocchi's priority valve pumps now cover a range of displacements from 4.5-87cc/rev. The components of the priority valve, the priority port, the secondary



New and improved hydraulic products can be sourced from Marzocchi Pumps USA, in Schaumburg, Illinois



The low-noise Elika pump family reduces noise levels by an average of 15dB(A)

ports and the load-sensing connection are placed on a cast iron block. The cast iron block in the pump group 2 is assembled like the cover in the family pump group 3 and can be fitted either on the cover or directly on the outlet port in accordance with customer requirements. The pumps with priority valve are available in various versions: with and without a load-sense signal (both static and dynamic); and if the VP cast iron block is mounted on the cover, it is also possible to integrate a relief valve with inner drain.

T-System pumps and motors with integrated support are special motors that can also work with radial and axial forces applied to the motor shaft, thereby making possible the transmission of motion by means of pulleys, belts, chains, sprockets, or the direct fitting of large and heavy fans. The use of the bearing support is essential for these applications because it supports external stresses, leaving the internal bushings free to move, and following the movement of the gear without other constraints. The bearing is permanently lubricated by the hydraulic oil circuit, ensuring optimal lubrication and a good heat exchange. The cast iron flange guarantees a secure and robust load transmission to the support structure, while the compact design allows it to be used in conditions where space-saving solutions are needed.

T-system is available for all versions of pumps and motors in AL and GH groups 2 and 3, in a range of

displacements from 4.5-87cc/rev. All these products can be equipped with integrated valves: cavitation valves, relief or electroproportional valves can be integrated in the cover.

A new proposal for the gear pumps market, the low-noise Elika pump is a perfect fit for all those applications that are expected to produce low noise levels. Elika reduces the noise level by an average of 15dB(A) compared with a conventional external gear pump. The range includes pumps with displacement from 7-87cc/rev, and is perfectly interchangeable with the standard gear pumps in families 2 and 3.

At the heart of the design is the particular shape of the Elika profile, which eliminates the phenomenon of encapsulation typical of normal gear pumps, deleting the source of the main cause of noise and vibrations. The helical toothing ensures the continuity of motion despite the low number of teeth. The low number of teeth greatly reduces the fundamental frequencies of the pump noise, making the sound more agreeable. In this way it is possible to minimise both the pressure oscillations and their frequency. Elika is a registered trademark that will complement that of Marzocchi Pompe in the identification of new products. **ivt**

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