Endress+Hauser
People for Process Automation

New Endress+Hauser's Promag W flowmeter provides breakthrough flexibility to achieve top measuring performance

Burlington, ON – It's a world first for the water/wastewater industry: Endress+Hauser's Proline Promag W electromagnetic flowmeter with the new 0 x DN full bore option delivers great measurement accuracy without any measuring tube restriction – irrespective of the flow profile or mounting location.

Maximum measurement performance is indispensable for optimal process control but in some circumstances is difficult to achieve. Plant operators may have to compensate for flow disturbances by adopting the recommended inlet and outlet runs or by employing a flow measuring device with a restricted measuring tube. However, sufficiently long straight pipe sections may not be not available for the former, while tube restrictions cause pressure loss that often leads to increased energy consumption for pump operations and higher energy costs.

The solution is provided by the innovative measuring concept of Promag W 300/400/500 flowmeters with 0 x DN full bore. Each Promag W features multiple measuring electrodes to detect abnormalities in the flow that can impact measurement accuracy. This generates a substantially higher density of measured data than for standard devices. Measurements aren't distorted by frequently occurring swirls caused by Influences such as a close-knit pipeline network or obstacles in the pipe cause flow turbulence that affect accuracy. These obstacles can include pipe bends and insertion devices or unknown obstacles such as build-up on the pipe wall, protruding seals or different inside diameters.

Promag W flowmeters with the 0 x DN full bore option are particularly well-suited for installation in tight spaces, such as compact systems or skids, because they do not need any inlet or outlet runs. They can be equipped with different Proline transmitters: as a compact version (Proline 300 and 400) or as a remote version (Proline 400 and 500) with up to four outputs. Proline transmitters make no compromises in terms of performance and accuracy. The digital signal processing begins in the intelligent sensor and is the basis for a reliable, highly accurate measurement. Full access to all measurement data, including diagnostic data acquired by Endress+Hausers's proprietary Heartbeat Technology, is possible at any time thanks to digital data transmission or the freely combinable inputs and outputs.

The Promag W with 0 x DN full bore option's superior measurement capability along with the Promag W's refined signal analysis deliver a trio of benefits like no other flowmeter past or present: reliable measured values, flexible installation and cost-efficient measuring operation, with no compromises.

About Endress+Hauser
Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. Our products – sensors, instruments, systems and services for level, flow, pressure and temperature measurement as well as analytics and data acquisition – set standards in quality and technology. The company further supports its customers with automation engineering, logistics and IT services and solutions. Founded in 1953 by Georg H Endress and Ludwig Hauser, the Endress+Hauser Group has been solely owned by the Endress family since 1975. Today, the Group is managed and coordinated by a holding company based in Reinach, Switzerland, employing almost

14,000 personnel across the globe. In 2018, the Group generated net sales of C$3.6 billion. Endress+Hauser's production centres in 12 countries meet customers' needs and requirements quickly and effectively, while our dedicated sales centres and strong partner network guarantee competent worldwide support.

Press Photo (see JPEG file attached): Endress+Hauser's Promag W 0 x DN full bore is the world's first electromagnetic flowmeter for unrestricted measurement. It can be located almost anywhere, without inlet and outlet runs or tube restrictions.

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