

Industry Sector Building Technologies Division

Zug (Switzerland), September 1, 2011

Siemens launches a new generation of its tried-and-tested Acvatix valves

The Siemens Building Technologies Division is launching a new generation of valves in the Acvatix family on the market. The product range has been completely reworked and optimized in terms of both its flow design and construction. With the new models, Siemens offers a universal range of valves for all applications in central heating, ventilation and air conditioning systems (HVAC).

The Acvatix family has become well established on the market in recent decades and is known for its precise and reliable regulation performance in HVAC systems. With the new Acvatix generation, a completely reworked range of valves is now available on the market, one that is based on decades of experience. The comprehensive valve portfolio covers all applications in central HVAC systems and provides the right solution for a wide range of requirements.

In developing the new valve generation, Siemens' engineers paid special attention to optimizing the flow design. Not only were they able to reduce the energy-destroying "dead zones" but also what are known as "deflection zones," which produce noise that then spreads throughout the pipe network. As a result of these developments, the new valves deliver greater energy efficiency and less working noise. At the same time, the optimized valves achieve up to 30 percent higher flow coefficients (k_{vs}) with the same nominal width (DN). Thanks to especially finely graduated k_{vs} values within the Acvatix product range, a valve that is ideally suited to the necessary calculated value is available in most cases.

The new Acvatix valves also have an optimized construction which requires less material for the valve body. This reduces the weight by an average of twelve percent and helps simplify handling during installation.

With its newly developed valves, Siemens has also streamlined the product range by combining several variants into universal valves. A new addition, for example, is the silicone-free flanged

valve for temperature ranges up to 220°, which replaces three previous product variants. Planners and installers can thus make easier and more reliable selections from the valve portfolio.

The new-generation valves are compatible with all products in the Acvatix family over the past 30 years, which is a great advantage when modernizing existing HVAC systems.

Siemens AG (Berlin and Munich) is a global powerhouse in electronics and electrical engineering, operating in the industry, energy and healthcare sectors. For over 160 years, Siemens has stood for technological excellence, innovation, quality, reliability and internationality. The company is the world's largest provider of environmental technologies. More than one-third of its total revenue stems from green products and solutions. In fiscal 2010, which ended on September 30, 2010, revenue from continuing operations (excluding Osram and Siemens IT Solutions and Services) totaled €69 billion and net income from continuing operations €4.3 billion. At the end of September 2010, Siemens had around 336,000 employees worldwide on the basis of continuing operations. Further information is available on the Internet at: www.siemens.com.

The **Siemens Industry Sector** (Erlangen, Germany) is the worldwide leading supplier of environmentally friendly production, transportation and building technologies. With integrated automation technologies and comprehensive industry-specific solutions, Siemens increases the productivity, efficiency and flexibility of its customers in the fields of industry and infrastructure. In fiscal 2010, which ended on September 30, 2010, revenue from continuing operations of the Industry Sector (excluding Osram) totaled around €30.2 billion. At the end of September 2010, Siemens Industry Sector had around 164,000 employees worldwide without consideration of Osram. Further information is available on the Internet at: www.siemens.com/industry.

The **Siemens Building Technologies Division** (Zug, Switzerland) is the world's leading provider of safe, secure and energy efficient solutions for buildings („Green Buildings“) and building infrastructure. As a service provider, system integrator and product supplier Building Technologies offers building automation, HVAC, fire safety, security, low voltage power distribution and electrical installation technology. With around 42,000 employees worldwide (September 30), Building Technologies achieved a turnover of €6.9 billion in fiscal year 2010. www.siemens.com/buildingtechnologies