



News Release

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**Space-saving pneumatic miracle  
The VUVG valve is small, powerful and cost-effective**

**These are the pneumatic valves the automation market has been waiting for: the valve range VUVG from Festo has a size-to-performance ratio never before achieved by any other valve. The secret of its success lies in its patented cartridge sealing principle.**

**HAUPPAUGE, New York, February 23, 2011 —** The VUVG

valves from Festo are particularly suitable for use in automation applications where cost-effective, small-scale, technologically universal solutions with high flow rates are required, as is the case in the electronics, solar, textile and packaging industries, and in special machine construction. The compact dimensions and low weight of the aluminium housing also make the valves ideal for use in the front-end area, e.g. mounted directly on a robot arm.

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**More performance, less space**

The new valve range sets new standards in terms of the “footprint” compared to valves currently on the market. The “footprint” value describes the size-to-performance ratio. In 90 percent of all

applications, a smaller size valve compared to existing valves can often be used. VUVG valves of the same size achieve greater dynamics and up to 100 percent more flow for faster cycle times.

### **Two valves in one**

Another cost-reducing factor is the integration of 2 x 3/2-way valves in one valve housing. One VUVG valve is therefore sufficient for operating two single-acting cylinders. This reduces the required installation space by half.

### **Patented cartridge sealing principle**

The high power density of the VUVG valve is the result of the patented cartridge sealing principle from Festo. Its unique seal profile enables vacuum operation, very high flow rates, and long life. The cartridge principle enables neatly separated two-pressure operation. With the VUVG, there is no overlapping between the air ducts, as is common with other valves.

### **Easy installation and mounting**

A variable electrical connection concept reduces the complexity of ordering and warehousing for all users that require a valve with variable electrics. The patented electronics box can be replaced with just one click. The valve housing remains the same, only the connection option is changed. An astonishing range of variants can be fitted, regardless of the connection options; whether M8 or stranded wire, everything is compatible. And lastly, ordering is simplicity itself thanks to the clearly structured order code.

For sales information, call Festo at 800-993-3786 and visit [www.festo.com/us](http://www.festo.com/us).

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