

## Press Release

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### **Next release of new C20 compressor by PULSWER**

*Key words : Energy efficiency – Innovation - Compressor - Cleantech*

PULSWER S.A. technological start'up company prepares the industrialization of its first product : the C20 compressor, based on Rhomb Rotor Machine (RRM) innovative technology.

C20 is an air compressor available for compressed air generation applications up to 220 psi (15 bar). Its lubricated version suits for multiple industrial domains such as wood industry, paper industry, polymer and textile industries, and also mechanical workshops, printing plants and conditioning machines. C20 oil-free version is more suitable for agrobusiness, laboratories and medical applications such as compressed air generation for dental surgery. Its low volume and weight will be significant for integration in embedded applications, such as railways, trucks, ships, and for decentralized compressed air needs.

The main advantage of RRM technology is an high power to size ratio. A power less than 6.8 HP (5 kW) for 220 psi pressure and 16.7 SCFM (30 m<sup>3</sup>/h) flow rate, a 4.8 L volume and 35 lbs (16 kg) weight, C20 power to size ratio is up to 6 time less than other current compressor technologies on the market. Its power to weight ratio is increased by a factor of 2. C20 is a variable velocity compressor, allowing energy consumption matches to real needs. C20 low noise level allows to install the compressor close to final user without acoustical disturbance. At least, C20 is directly mounted on electrical engines with IEC 60072-1 normalised size.

These features make C20 a high efficiency and competitive product. A local manufacturing, a significant abatement of raw materials needs for its fabricating, and an high energy efficiency position C20 as an environmentally sustainable development product.

Some C20 models are currently in demonstration trails and availables for pioneer customers. First series product launch is scheduled for 2010 Q4. PULSWER already plans to complete its innovative compressors family with higher flow rate and higher pressure products, in particular for oil&gaz market and power industries.

About the company : PULSWER is a technological start'up company created in 2008 as business corporation with 628.120 € of capital shares, after a 3 years of R&D program jointly lead with public research laboratories. PULSWER is pioneer in development and manufacturing products based on Rhomb Rotor Machine innovation, such as compressors, pumps and vaccum pumps, steam or air engines. In 2007, PULSWER is laureate in national contest for innovative technology company creation lead by French Research Minister and the accredited national agency for innovation founding OSEO. The company operates with 3 international RRM patents, and sells patent licenses to industrial customers for dedicated applications and markets.

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