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Xebec Launches Compact Hydrogen PSA Purification Units for Industrial and Fuel Cell Applications

MONTREAL, (QC), October 18th, 2016 - Xebec Adsorption Inc. (TSXV: XBC) (“Xebec”), a provider of gas purification, generation and filtration solutions for the hydrogen, natural gas, field gas, helium, oxygen and nitrogen markets, announces the introduction of a complete range of high performance, **Fast Cycle** Pressure Swing Adsorption (PSA) Systems capable of ultra-pure hydrogen purification of up to 6.0 hydrogen grade (99.9999%).

Launched under its **H2X Solutions®** brand, Xebec’s **Fast Cycle** PSA hydrogen purifier range has 27 standard models starting at 3 SCFM (5 NCMH) up to 18,000 SCFM (30,000 NCMH), operating within a pressure envelope of 50 - 450 psig. Multiple train and multi-valve machines can be combined to obtain flow capacities of up to 72,000 SCFM (120,000 NCMH).

Ultra-Compact / Super High Purity for Stationary Fuel Cell Applications

With the increasing demand for compact, smaller flow, high purity hydrogen purifiers, the low flow end of the Xebec range contains 4 ultra-compact models that boast an extremely small footprint, delivering high purity product. They come skid-mounted, loaded with adsorbents, ready to install.



Xebec PSA-H3200

Fast Cycle PSA Technology Offers Optimal Cycle Design

Xebec’s **Fast Cycle** PSA units are based on proprietary rotary valve technology; one rotary feed valve is connected to the bottom of each bed and one rotary product valve is connected to the top of each bed. Feed gas flows through at least one bed while, simultaneously, purified product gas flows from the bed to the product line. Other flows are similarly connected through the rotary valve for exhaust, purge, equalizations, etc.



Xebec Compact, Fast Cycle PSA Technology

Proven Highly Reliable

Xebec's **Fast Cycle** PSAs have accumulated over 15 million commercial operating hours (over 30 million valve hours), with more than 200 systems in continuous operation. The rotary valves are highly reliable, with recommended inspection intervals of 2.5 years, and service intervals of 5 years. Xebec's PSA installations have proven availabilities of 99.9%, including service intervals.

For more information, visit Xebec's Website - www.xebecinc.com. / Products / Hydrogen. You can download the Hydrogen Solutions Brochure and the FAQs on Xebec Fast Cycle PSAs, or contact:

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About Xebec Adsorption Inc.

Xebec Adsorption Inc. is a global provider of clean energy solutions to corporations and governments looking to reduce their carbon footprints. With more than 1,500 customers worldwide, Xebec designs, engineers and manufactures innovative products that transform raw gases into marketable sources of clean energy. Xebec's strategy is focused on establishing leadership positions in markets where demand for renewable energy through gas purification and generation, natural gas dehydration, and filtration is growing. Headquartered in Montreal (QC), Xebec is a global company with two manufacturing facilities in Montreal and Shanghai, as well as a sales and distribution network in North America, Europe, and Asia. Xebec trades on the TSX Venture Exchange under the symbol XBC. For additional information on the company, its products and services, please visit the Xebec website at www.xebecinc.com.

Caution Concerning Forward-Looking Statements

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release. Certain statements in this press release may constitute "forward-looking" statements within the meaning of applicable securities laws. This forward looking information includes, but is not limited to, the expectations and/or claims of management of Xebec with respect to information regarding the business, operations and financial condition of Xebec. Forward-looking information contained in this press release involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Xebec or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. This list is not exhaustive of the factors that may affect forward-looking information contained in this press release. When used in this press release, such statements use such words as "anticipate", "believe", "plan", "estimate", "expect", "intend", "may", "will" and other similar terminology. These statements reflect current expectations regarding future events and operating performance and speak only as of the date of this presentation. Forward-looking statements involve significant risks and uncertainties, and should not be read as guarantees of future performance or results, and will not necessarily be accurate indications of whether or not such results will be achieved. A number of factors could cause actual results to differ materially from the results discussed in the forward-looking statements.