

STOKES MICROVAC ROTARY PISTON PUMPS

212-612J SERIES

STOKES
VACUUM

stokesvacuum.com

PROVEN PERFORMANCE

With over 80 years of experience, the Stokes Microvac has set the standard for performance, efficiency and reliability. The Stokes line has been improved, upgraded and fine-tuned and delivers even better dependability and productivity combined with minimal maintenance and process downtime.

Value for investment

Low rotational speed which significantly contributes to their extended lifespan. This design minimizes wear and tear on critical components, reducing the frequency of maintenance. By operating at slower speeds, the pump experiences less stress, ensuring reliable performance over time. As a result, users can expect a longer pump life cycle and consistent operation throughout its service life.

Automatic lubrication for optimal protection

Automatic lubrication system that ensures the continuous and proper flow of oil to critical bearings and sealing surfaces. This system helps maintain optimal lubrication, reducing friction and wear, which is crucial for long-term performance. Additionally, it effectively prevents oil backflow into the system, safeguarding the pump's internal components.

Stokes 212J



Stokes 412J



Advanced Pump Features

▶ GAS BALLAST

Pump is provided with a manually operated gas ballast valve as standard. This feature helps prevent contamination of the pump oil by introducing a controlled amount of air during operation

▶ ENHANCED VALVE DESIGN

New valve design virtually eliminates valve noise and maintenance. This design reduces friction and wear while also minimizing the need for regular servicing or repairs

▶ CORROSION PROOF VALVES

Exhaust valves are corrosion-resistant as standard. This ensures enhanced durability and reliability, even in harsh operating environments, reducing the risk of wear and damage

▶ READY-TO-INSTALL UNIT

Complete and self-contained system, delivered ready to install. Helps simplify setup and reduces installation time

THE MICROVAC ROTARY PISTON PUMP REMAINS A PERENNIAL FAVORITE FOR DEMANDING INDUSTRIAL APPLICATIONS

The Stokes 212-612J Series pumps offer reliable operation and performance. With the Stokes Microvac series you can improve your process operations, increase uptime and reduce maintenance at a minimal cost.



Reliable vacuum performance

Robust cast and ductile iron construction provides rugged, reliable operation.



Improved working environment

Latest valve design virtually eliminates valve maintenance and reduces noise, while requiring lower power. Space-saving design that saves up to 50% of valuable floor space.



Maximum Uptime

Efficient design provides maximum uptime with minimal moving parts and large clearance.



Easy on-site maintenance

Robust, simple mechanism for high reliability and ease of rebuild.



High Performance Across a Wide Pressure Range

Low ultimate blank-off with maximum speed down to 1 Torr and continuous high pressure pumping up to 600 Torr.



Configured for your application

Choice of pumping combinations available to provide a wide range of vacuum pumping solutions.

SUPERIOR SYSTEM EFFICIENCY AND RELIABILITY WITH HIGH PERFORMANCE PUMP PAIRING

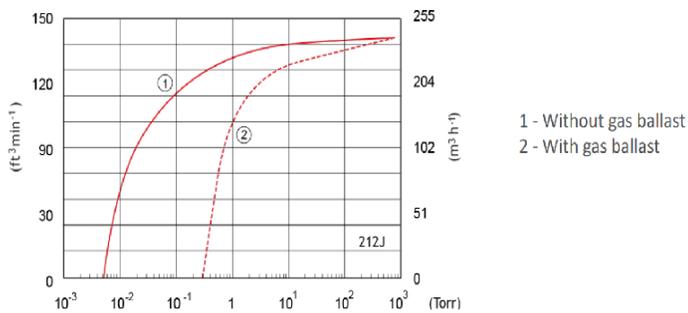
Products can be offered in combination with our 6" mechanical booster pumps. When paired with our 212-612J pumps, they provide high versatility, enhancing pumping speed at working pressures, reducing pump-down time, and can also be used with our dry vacuum, rotary vane, liquid ring, or as an inlet solution for backing pumps.



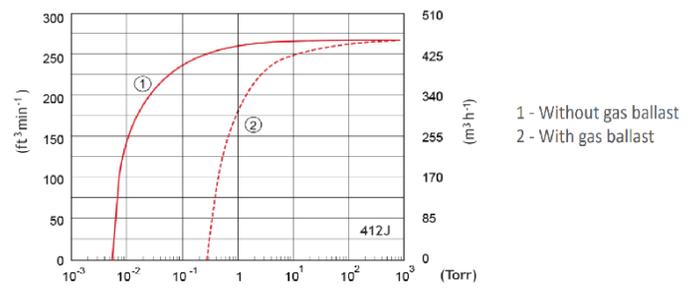
Technical Specifications

Pump Type	Maximum Pumping Speed		Ultimate Vacuum		Motor Power				Overall Dimensions			Noise Level 50/60 Hz dB(A)
	m ³ /hr (50 Hz)	cfm (60hz)	mbar	Torr	50Hz		60 Hz		L in	W in	H in	
					kW	Hp	Kw	Hp				
212 J	234	138	<3.3×10 ⁻²	<2.5×10 ⁻²	5.5	7.5	5.5	7.5	26.25	24	43.5	<77
412 J	442	260	<3.3×10 ⁻²	<2.5×10 ⁻²	11	15	7.7	10	40.25	25.63	1314	<85
612 J	884	520	<3.3×10 ⁻²	<2.5×10 ⁻²	11	15	7.7	10	43.75	70	56.63	<85

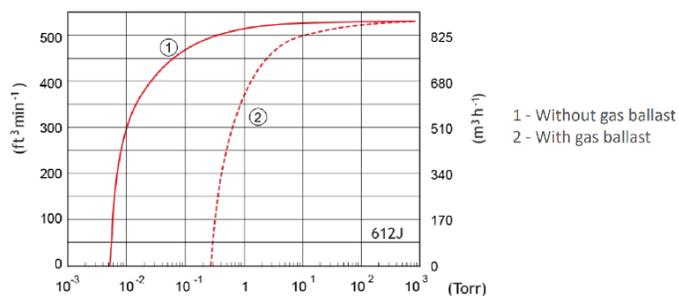
Stokes Microvac Model 212J Performance Curve



Stokes Microvac Model 412J Performance



Stokes Microvac Model 612J Performance Curve



Service solutions

We offer a full complement of vacuum pump services, including commissioning, genuine spare parts and oil, remanufacturing, service exchange, field services, and managed maintenance.

Contact our Field Service Coordinators today!

Call us on 978-753-3787 or email us on fieldserviceUS@edwardsvacuum.com

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