



2113 Gas Sample Pump

The Rapidox 2113 sample pump accessory is available for end users of gas analysis equipment who need to draw a sample of gas from their process.



In certain applications it is not always possible to locate your gas analyser closely to measurement point, and an auxiliary pump is needed to get gas delivered to the sensor head. The R2113 is especially suited for users of the Rapidox 2100 which does not have its own fitted pump, but it can be used with any gas analyser. The pump can also be used for fresh air flushing and analyser calibration, and is the perfect accessory to our bypass multiplex system which is available as a separate option.

The R2113 is a small and compact 24Vdc pump built from quality materials and is compatible with all types of gas analysers and systems requiring a simple sampling solution. The unit has a stainless steel flow gauge with a precision needle valve flow adjuster to produce a smooth and accurately metered flow of gas.

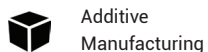
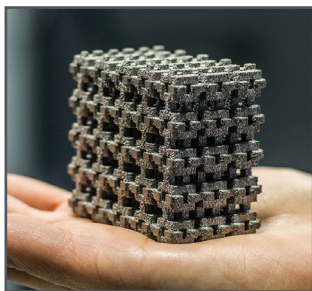
Equipped with a top-of-the-range vacuum pump manufactured by Nitto; a world leader in pump technology, the pumps are exceptionally quiet (40 dB/m or less) and noted for their extended reliability. The unit is provided with a worldwide 24Vdc power adapter to fit all common Worldwide plug sockets. The pump is designed to be compatible with 6mm OD/ 4mm ID (1/4") tubing and uses nickel plated nipple type fittings for the gas inlet and outlet ports. As it is a vacuum pump with both inlet and outlet streams, it can be used to either draw or blow the gas sample. As no gas escapes into the unit and the fittings are gas tight, the pump can be used safely with gases that are toxic.



For customers requiring seamless integration into their product or process, the Rapidox 2113 can be supplied as an accessory. Please contact Cambridge Sensotec for further information.

- Powerful Japanese vacuum diaphragm pump
- Exceptionally quiet (40dB/m or less)
- 0-4 litres per minute of gas flow based on air
- 24V dc power with mains adapter
- Fully adjustable flow gauge on the front panel
- Simple installation & low maintenance
- Quick-connect nipple fittings for 6mm OD / 4mm ID (1/4")

Applications



Additive Manufacturing



Gas



Metal Heat Treatment



Chemicals



Glove Boxes



Research & Development



Combustion

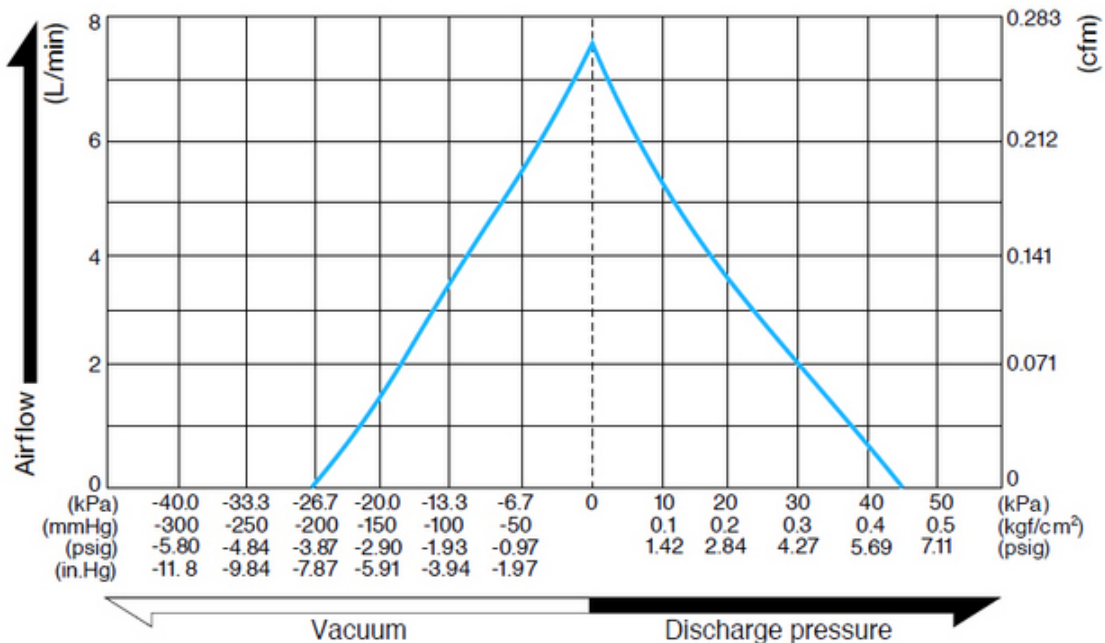


Manufacturing



Vacuum

Pump Performance



Pump Specification

Supply Voltage	24Vdc supplied with Worldwide mains adapter
Power Consumption	Approx. 10W
Flow Rate	0-4 Litres per min. Fully adjustable using needle valve
Attainable Vacuum	-270mbar
Duty Cycle	Continuous operation
Life Expectancy	>10,000 hours
Flow Indication	Stainless steel flow gauge calibrated for air or nitrogen
Analyser Dimensions	200mm W x 195mm D x 115mm H
Weight	1.2kg
Operating Temperature	0-40°C
Operating Pressure	900 - 1100 mbara
Operating Humidity	10 - 95% RH (non-condensing)
Sample Connections	Nipple type tube fittings for gas in and out
Tube Size	6mm OD / 4mm ID or 1/4" plastic