



KQET-6014

Independent Pump Remote Bioaerosol Sampler

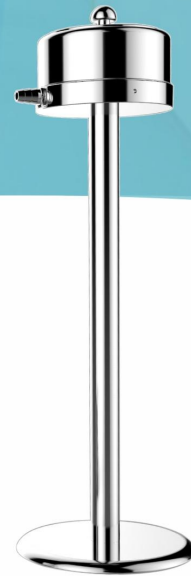
The KQET-6014 series independent pump remote bioaerosol sampler is a multi-hole suction sampler used in online monitoring systems.

The sampler consists of two parts: a sampling head and an independent pump. The entire sampling head is made of 304 stainless steel with a mirror-finished surface, which is high-end and elegant.

The sampling head adopts a micro-hole design to reduce bacterial overlap and minimize microbial counting errors. The sampling head bracket is thick and stable, preventing the petri dish from shaking during sampling and avoiding counting errors.

The independent pump body is also made of 304 stainless steel, meeting GMP specification requirements. It has a built-in 3-year long service life air pump with low vibration and low noise.

At the same time, it uses a precision digital flow sensor to monitor the sampling flow in real time. Through an intelligent algorithm, it achieves the function of flow negative feedback automatic adjustment, ensuring the stability of the sampling flow without being disturbed by the environment and guaranteeing the accuracy of sampling results.



Product Features

- Micro-hole sampling head reduces bacterial overlap and minimizes microbial counting errors.
- Mirror-finished stainless steel sampling head not only meets GMP specification requirements but also appears high-end and elegant.
- High sampling flow rate shortens sampling time and improves sampling efficiency.
- Real-time flow monitoring, intelligent algorithm, negative feedback automatic adjustment, improving sampling accuracy and ensuring the accuracy of sampling results
- Impact velocity of 10.8m/s, in line with the 5th stage of Anderson impact principle, ensuring that all microbial particles larger than 1μm can be captured

Technical parameters

Model	KQET-6014	KQET-6014-50	KQET-6014-100
Sampling Flow Rate	28.3 L/min	50L/min±5%	100L/min±5%
Sampling Volume	1-6000L (configurable)		
Impact Velocity	10.8m/s		
Sampling Head	Micro-hole type, reducing bacterial overlap and minimizing microbial counting errors		
Air Pump	External independent pump, low vibration, low noise		
Display	External display screen for displaying data or debugging parameters (optional)		
Power Supply	DC24V/4A		
Executive Standard	ISO14698-1/2, GB/T16293-2010		
Petri Dish	φ90*15mm standard universal petri dish		
Communication Mode	RS485 @ Modbus RTU Protocol		
Material	Sampling head: 304 stainless steel, mirror finish; Independent pump: 304 stainless steel, brushed surface		
Dimensions (mm)	Sampling head: φ104*472; Independent pump: Width 214 * Depth 170 * Height 145		
Operating Environment	Temperature 10~40°C Humidity 10%~90% (no condensation)		

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Suzhou Kangqi Environment Technology Co.,Ltd

Tel: 400-728-7728

Web: www.kqet.com.cn

E-mail: sales@kqet.com.cn

Add: 2nd Floor, Building E, No.60 Chuangye Street, Suzhou High tech Zone