

AG系列气溶胶发生器

AG series aerosol generator

产品简介:

便携式的气溶胶发生器根据发生原理可分为冷凝震荡发生式和加热发生式两种。其中，冷凝震荡发生式的气溶胶发生器有 AG-220(带泵型) AG-230(压缩空气型)，二款，加热发生式的气溶胶发生器有 AG-1800 型。

气溶胶发生器可以发生多分散的粒子，在压力为 20psig 及流量为 50 ~ 5400cfm 的范围下，可发生浓度为 10 ~ 100ug/L 的气溶胶粒子 (AG-230)。

AG-230 型气溶胶发生器是我公司自主研发生产的最新款轻重量不锈钢的冷凝震荡发生式发生器。它仅仅需要洁净的压缩气体来发生多分散粒子。

AG-230 有 4 个拉氏喷嘴。在压力为 20psig，空气流量为 540cfm 时，气溶胶浓度大约为 100ug/L。二个调节阀可调节仪器使用 2 ~ 4 个喷嘴来提供不同范围的气溶胶粒子浓度。AG-230 型气溶胶发生器通常被用来检测空气流量不大于 5400cfm 的高效过滤器系统。它更多地适用于高效过滤器机组、负压过滤装置、生物安全柜等设备。

AG-220 型气溶胶发生器是我公司自主研发生产的便携式气溶胶发生器，与气溶胶发生器 AG-230 型一样，都是利用压缩空气冷凝震荡产生气溶胶粒子；不同之处是他内藏压缩空气源，无需借助外来压缩空气。

AG-220 型气溶胶发生器有 6 个 Laskin Nozzles 喷嘴，当期全部开启并在 20psig 压力时，能够到达 200cfm 的流量，能够产生并输出气溶胶浓度近 100 ug/L。通过调节 2 至 6 个 Laskin Nozzles 喷嘴，来实现不同气溶胶浓度的输出。

AG-220 型气溶胶发生器建议在测试风量在 2000cfm 以下来运行，用来测试单一设备单元高效过滤器的检测。

AG-1800 型气溶胶发生器是我公司自主研发唯一款依靠加热发生原理来产生并输出气溶胶粒子的气溶胶发生器。

PRODUCT INTRODUCTION:

AG-220 aerosol generator is a portable aerosol generator independently developed and produced by our company. It uses compressed air to condense and vibrate to produce aerosol particles; The difference is that it has a Built-in pump, without the help of external compressed air. There are 6 Laskin nozzles, When fully opened and at the pressure of 20 psig, the flow rate of 200cfm can be reached, and the aerosol concentration can be generated and output nearly 100ug/L. The output of different aerosol concentrations can be achieved by adjusting 2 to 6 Laskin nozzles. It is recommended to run when the test air volume is less than 2000 cfm, which is used to test the detection of high efficiency filter of single equipment unit.

AG-230 aerosol generator is the latest light weight stainless steel condensate oscillation generator independently developed and produced by our company. It only needs clean compressed gas to generate polydisperse particles. There are 4 Laskin nozzles. When the pressure is 20 psig and the air flow is 540 cfm, the aerosol concentration is about 100 ug/L. The regulating valve can adjust the instrument to use 2-4 nozzles to provide aerosol particle concentrations in different ranges, It is usually used to detect the high efficiency filter system with air flow not greater than 5400 cfm. It is more suitable for high efficiency filter unit, negative pressure filter unit, biosafety cabinet and other equipment.

AG-1800 aerosol generator is an aerosol generator independently developed by our company that generates and transports aerosol particles based on the principle of heating generation. The applicable flow is wider, reaching 1500~65000 cfm, which can meet the detection and use of high efficiency filter with large flow.



AG-230



AG-220



AG-1800



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技术参数：

PERFORMANCE PARAMETERS:

型号 / 参数 Model/Parameter	AG-220	AG-230	AG-1800
发雾形式 Form of fog generation	带泵型 with pump type	压缩空气型 compressed air type	热发型 heat generation type
可使用的流量范围 Available flow rate range	50~2000cfm(1.4-55m³/min)	50~5400cfm(1.4-150m³/min)	1500-65000cfm(1.4-150m³/min)
悬浮粒子浓度 Suspended particle concentration	10µg/L; 流量 2000cfm (约 55m³/min); 10 µg/L; flow rate 2000 cfm (approximately 55 m³/min) 100µg/L; 流量 200cfm (约 5.5m³/min) 100 µg/L; flow rate 200 cfm (approximately 5.5 m³/min)	10µg/L; 流量 5400cfm (150m³/min); 10 µg/L; flow rate 5400 cfm (150 m³/min) 100µg/L; 流量 540cfm (约 15m³/min) 100 µg/L; flow rate 540 cfm (approximately 15 m³/min)	10µg/L: 流量 65000cfm; 10 µg/L: Flow rate 65000 cfm 100µg/L: 流量 6500cfm 10 µg/L: Flow rate 6500 cfm
发生粒子 Generated particles	/	PAO、DOP、多分散 PAO、DOP、Polydisperse	/
发生方法 Generation method	2-6 拉斯金喷嘴	2-4 拉斯金喷嘴	/
压缩气体 Compressed gas	内置空压机 Built-in compressed air machine	外接压缩空气 External compressed air	氮气、氩气、二氧化碳或氦气 (50psi) Nitrogen, Argon, Carbon, Dioxideor Helium (50psi)
电源 Power supply	220V AC,50HZ	/	220V AC,50HZ
外形尺寸 (mm) Overall dimensions(mm)	200*270*500	220*280*300	350*250*250
重量 Weight	25kg	6.5kg	9.1kg